

ISO 9001:2008
REGISTERED



Power Supplies

30  *Years of Service 1984-2014*



Our Mission

GlobTek is committed to strive for increasing market share by offering high quality products while continuing aggressive research and development of new products following technological trends and fulfilling our customer's demand. We pursue this objective by providing high quality products in a timely manner, offering superior support and service while maintaining meaningful employment and earning acceptable profit.

Anna Kaplan
Chief Executive Officer



GlobTek-established in 1984, ISO 9001 registered, specializes in Design and Manufacturing of Power Supplies in all configurations between 2~2000W. Our Power Supplies come in standard configurations such as Table Top (Laptop style), Wall Plug-In, as well as open frame (with or without a cage). Aside from our standard products GlobTek specializes in stock-modified & custom power supplies. Our R&D team works closely with our customers on designs which meet their unique requirements. Many standard models have been certified with UL, cUL/CSA, VDE, TUV, CE, & T-Mark approvals. In addition, most models participate in the CB-Scheme to accommodate further global certification if required. We have over 25 years experience working with regulatory authorities world-wide.

Besides our strengths in manufacturing and quality we maintain a 12,000 sq. ft. stocking facility in Northvale, NJ in order to accommodate our North American customers with Just In Time delivery, safety stock programs, as well as "off the shelf" distribution solutions committed to ship within 24 hours from placement of your order. Quality is the vital backbone that allows **GlobTek** to be one of the world's leading manufacturers of Power Supplies, Power Cords, and Special OEM/ODM assemblies & Products.

Quality at **GlobTek** takes the form of quality of the product and quality of the organization.

GlobTek's Suzhou Manufacturing facilities offer significant cost savings to all of its OEM/ODM customers. These facilities take advantage of **GlobTek's** strong R&D staffs in both North America and Asia while manufacturing at extremely low cost and high efficiency in Mainland China. GlobTek's Pacific Rim facilities with over 1,000 production related employees manufactures standard power supplies, cordsets, & contract manufacturing services for OEM/ODM manufacturing at extremely competitive prices. **GlobTek's** Pacific Rim operations house full Injection molding capabilities as well as a fully equipped tool shop, Wave soldering/Al equipment for highest efficiency, as well as a host of Quality Control equipment.

Quality Statement

- To do things right the first time, by working as a company wide team in building quality into our products and services.
- To focus on the customer's needs, and then plan our actions accordingly to fulfill these needs.
- To continuously improve our products and services delivered to our customers.

GlobTek's main activities in North America focus on:

- Corporate management
- World-wide sales
- Engineering & Regulatory Agency Compliance Department
- R&D
- Quality Control
- Rapid Sampling & Fast Turn-around low volume production
- Worldwide logistics
- 24,000 Sq. Ft. facility accommodating Just In Time Delivery and Safety Stock programs.

Just In Time Delivery

GlobTek's 24,000 Sq. Ft. facility located in Northvale, NJ, enables the company to support its customers with Just in Time delivery and facilitate minimal inventory at our customer's facilities.

Please inquire about available options pertaining to JIT or our other stocking programs.

Aside from JIT in the USA, **GlobTek** can arrange JIT delivery schemes in any part of the world including major manufacturing regions such as Mainland China, Taiwan, Malaysia, Singapore, Mainland Europe, Australia, Mexico, and elsewhere.

TABLE OF CONTENTS



SWITCHMODE POWER SUPPLIES:



0.5-1 Watt DC Converter, Single and Dual Output	30
1.3 Watt High Voltage DC/DC Converter	32
1.4-3.7 Watt LED Driver/Switching Power Supply, Single Output, Constant Current, Wall Mount, Universal Input, UL 1310/EN 61347, Energy Star, CEC, EISA	34
5 Watt Wall Plug-In Switching Power Supply, N.A., EURO., UK, SAA Universal Input, ITE, Class II, Level V	36
5 Watt Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II	39
0-5 Watt Wall Plug-In, N.A., European, U.K., Australian Input, Single Output Family, ITE Power Adapter, Class II	41
5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star	44
5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: Euro., Universal Input, ITE, Class II, Energy Star	46
5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: UK, Universal Input, ITE, Class II, Energy Star	48
5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star	50
5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: China, Universal Input, ITE, Class II, Energy Star	52
5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: Australia, Universal Input, ITE, Class II, Energy Star	54
6 Watt Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II, Level V	56
6 Watt Potted Switching Power Supply, Universal Input, ITE, Class II, Level V	58


SWITCHMODE POWER SUPPLIES:

6 Watt Wall Plug-In Switching Power Supply, N.A.,
Universal Input, ITE, Class II, Level V **62**

6 Watt Wall Plug-In Switching Power Supply, EURO.,
Universal Input, ITE, Class II, Level V **64**

 **6 Watt** Wall Plug-In Switching Power Supply, EURO.,
Universal Input, ITE, Class II, Level V **66**

 **6 Watt** Wall Plug-In Switching Power Supply, UK,
Universal Input, ITE, Class II, Level V **68**

 **6 Watt** Wall Plug-In Switching Power Supply, UK,
Universal Input, ITE, Class II, Level V **70**

 **6 Watt** Wall Plug-In Switching Power Supply, N.A.,
Universal Input, ITE, Class II, Level V **72**

6 Watt US/Euro Desktop, Linear Regulated Power
Supply Dual 6 W, +12V DC @ 0.25A, -12V DC @ 0.25A **74**

6 Watt Wall Plug-In Switching Power Supply, N.A.,
SAA Universal Input, ITE, Class II, Level V **76**

6 Watt Wall Plug-In Switching Power Supply,
Australia, SAA Universal Input, ITE, Class II, Level V **78**

6 Watt Wall Plug-In Switching Power Supply, Euro.,
SAA Universal Input, ITE, Class II, Level V **80**

6 Watt Wall Plug-In Switching Power Supply, N.A.,
SAA Universal Input, ITE, Class II, Level V **82**

6 Watt Wall Plug-In Switching Power Supply,
Australia, SAA Universal Input, ITE, Class II, Level V **84**

6 Watt Wall Plug-In Switching Power Supply, Euro.,
SAA Universal Input, ITE, Class II, Level V **86**

6 Watt Wall Plug-In Switching Power Supply,
Universal Input, Potted with Pins **88**

6 Watt Wall Plug-In, Switchmode Power Supply, N.A.,
European, U.K., SAA Universal Input, Medical, Class II **90**

SWITCHMODE POWER SUPPLIES:

6 Watt Wall Plug-In Switching Power Supply, N.A., EURO., UK, SAA Universal Input, Class II, Level V, Medical, 2X MOPP, Household	92
8 Watt PoE Splitter with Isolation, IEEE 802.3AF Compliant	94
10 Watt On-Board Universal Input AC-DC Encapsulated Modular Power Supplies Single & Dual Output	96
0-12 Watt Low-Profile Wall Plug-In, N.A., Europe, Universal Input, Single Output Family, ITE Class II	98
12 Watt Wall Plug-In Switching Power Supply, N.A., EURO., UK, SAA Universal Input, ITE, Class II, Level V	100
12 Watt PoE Splitter with Isolation, IEEE 802.3AF Compliant	102
12 Watt PD Module PoE Splitter with Isolation	104
0-15 Watt Switchmode, Single Output, 5V@ 3A (2.2"x3.9") Open Frame, Universal Input, ITE Class I	106
15 Watt Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II, Level V	108
15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star	110
15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star	112
15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star	114
15 Watt Power over Ethernet (PoE) Active Injector/ Midspan IEEE 802.3AF Compliant	116
15 Watt DC/DC Desktop Switching Power Supply, 5V@2.5A, Single Output Family, 10-32 VDC, ITE, Class II	118
15 Watt Switching Power Supply, Universal Input 12 Volts @ 1.25 Amps, Potted	120

SWITCHMODE POWER SUPPLIES:

- 15.4 Watt** 48V PoE Injector, Wall Plug-In Type with Changeable AC Blades, with RJ45 Built-In LEDs, IEEE 802.3af Compliant **122**
- 18 Watt** Wall Plug-In Switching Power Supply, N.A., EURO., UK, SAA Universal Input, ITE, Class II, Level V **124**
- 18 Watt** Switcher, Single Output Family, DeskTop and Wall Plug-In: N.A., EURO, U.K., SAA Universal Input, ITE, Class I & II, Level V **126**
- 18 Watt** Switching Power Supply, Wall Plug-In, Interchangeable Blade, Universal Input, ITE, Class II, Level V **128**
- 18 Watt** Wall Plug-In Switching Power Supply, 2MOPP, Interchangeable Blade, Universal Input, Medical/Household Use, Class II **130**
- 18 Watt** Switching Power Supply, 2MOPP, Open Frame, Universal Input, Medical/Household Use, Class I or Class II **132**
- 18 Watt** Switcher, Single Output Family, DeskTop, Universal Input, ITE, Class I & II, Level V **134**
- 0-19 Watt** Desk Top, Universal Input, Single Output Family, ITE, Class I & II **136**
- 0-19 Watt** Wall Plug-In, N.A., Japan, Europe, U.K., Australia, Universal Input, Single Output Family, Medical Class I & II **139**
- 0-19 Watt** DeskTop Universal Input, Single Output Family, Medical Class I & II, IEC/EN 60601-1 3rd Edition **142**
- 0-19 Watts** Switchmode, Single Output, Family (1.7"x3.3") Open Frame & PCB Mount, Universal Input, ITE, Class I & II **145**
- 0-19 Watt** Switchmode, Single Output, Family (1.7"x3.3") Open Frame & PCB Mount, Universal Input, Medical, Class I & II **148**
- 0-20 Watt** Desktop Universal Input, ITE, Dual Output Switchmode Supply **151**

SWITCHMODE POWER SUPPLIES:

- 0-20 Watt** Desktop Universal Input, ITE, Triple Output Switchmode Supply 153
- 20 Watt** Low-Profile Wall Plug-In, Single Output, VDC@ 3A, Switching Power Supply, N.A., Universal Input, ITE, Class II, EnergyStar 155
- 20 Watt** Wall Plug-In, Switching Power Supply, Universal Input, ITE, Class II, Energy Star, Level V 157
- 0-20 Watt** DC/DC Desktop Switchmode Power Supply, Single Output Family, 11-16 VDC Input, ITE, Class II 163
- 20 Watt** Total, Wall Outlet USB Receptacle, 5 Watts (5VDC@1A Per Port, Total of 4 Ports Universal Input, ITE, Class II) 165
- 20 Watt** In-Line Switching Power Supply, Universal Input, Potted with Wire Harness, with Terminal Blocks or with Pins 167
- 0-23 Watt** Open Frame, Universal Input, ITE, Dual Output, Switchmode Power Supply 169
- 24 Watt** Switching Power Supply, Wall Plug-In, Universal Input, ITE, Class II, Level V 170
- 20-24 Watt** Desktop Switching Power Supply, Universal Input ITE, Class I & II, Level V 172
- 24 Watt** Switchmode Power Supply, Single Output, Family, Input, ITE, 11-32VDC 174
- 25 Watt** Switchmode Power Supply, Single Output, Enclosed, Universal Input 176
- 25 Watt** Wall Plug-In Switching Power Supply, Interchangeable Blade, Universal Input, ITE, Class II 178
- 25 Watt** Open Frame Switching Power Supply, Universal Input, ITE, Class II 180
- 25 Watt** Wall Plug-In Switching Power Supply, Interchangeable Blade, Universal Input, Medical, Class II 182
- 25 Watt** Open Frame Switching Power Supply, Universal Input, Medical, Class II 184

SWITCHMODE POWER SUPPLIES:

0-30 Watt Desktop Power Supply, Single Output, Family, Input, ITE, Class I & II	187
30 Watt Switching Power Supply, Wall Plug-In, Interchangeable Blade, Universal Input, ITE, Class II, Level V	190
30 Watt Wall Plug-In Switching Power Supply, N.A., Euro. UK, SAA Universal Input, ITE, Class I	192
30 Watt Family Desktop, Switchmode Power Supply, Universal Input, Medical, Class II FE	196
30 Watt In-Line Switching Power Supply, Universal Input	198
30 Watt Wall Plug-In Switching Power Supply, N.A., Euro., UK, SAA Universal Input, Medical, Class I, Class II	202
35 Watt Power over Ethernet Injector, 50V, 0.7A, Universal Input, ITE	204
40 Watt Desktop Switching Power Supply, Universal Input ITE, Class I & II, Level V	206
40 Watt Desktop Switching Power Supply, Universal Input, ITE, Class I, Class II	208
40 Watt Wall Plug-In Switching Power Supply, Universal Input, ITE, Class II	210
0-50 Watt Switcher, Single Output with AC SYNC Output, Desktop, Universal Input, ITE, CLASS I	212
0-50 Watt DeskTop, Switchmode Universal Input, Single Output Family, ITE	214
0-50 Watt DeskTop, Swithcmode Universal Input, Single Output Family, Medical	216
0-50 Watt Desktop Universal Input, Class 2 Power Unit, Single Output Family	218
0-50 Watt Desktop, Switchmode Universal Input, Single Output Family, ITE	220
50 Watt Switching Power Supply, Universal Input, ITE, Class I, Class II	222

SWITCHMODE POWER SUPPLIES:

- 0-60 Watt** Desktop, Universal Input, Single Output Family, ITE Class I **224**
- 0-60 Watt** Switchmode Power Supply, Single Output, Family Desktop, Universal Input, ITE, Class II **226**
- 60 Watt** Switching Power Supply, Single Output, Desktop, Universal Input, ITE Class I & II, Level V **228**
- 50-60 Watt** Single, Dual, Triple Output Switchmode Power Supply Desktop, Universal Input **230**
- 60 Watt** Switching Power Supply, Single Output, Family Desktop, Universal Input, ITE Class I & II, Energy Star **232**
- 60 Watt** Switching Power Supply, Single Output, Desktop, Universal Input, ITE Class I **234**
- 60 Watt** Electronic Transformer, 120 VAC Input, 12VAC Output, Wall Plug-In, ITE **236**
- 60 Watt** Wall Plug-In Switching Power Supply, N.A., Euro., UK, SAA Universal Input, Medical, Class II, Level V **238**
- 60 Watt** Switching Power Supply, Single Output, Universal Input, ITE **240**
- 60 Watt** Switching Power Supply, Single Output, Universal Input, Medical **242**
- 0-60 Watt** DC-DC Switchmode Power Supply, Single Output, Family, Input 11-16VDC, ITE **244**
- 60 Watt** Electronic Transformer, Single Output, 12VAC, Wall Plug-In, Medical, Class 2 **246**
- 60 Watt** In-Line Switching Power Supply, Universal Input, Medical, Class II **248**
- 60 Watt** Wall Plug-In Switching Power Supply, N.A., Euro., UK, SAA Universal Input, Medical, Class I **250**
- 60 Watt** In-Line Potted Switching Power Supply, IP67, Medical (60601-1), ITE (60950-1), and Household Use (60335-1) Universal Input **252**

SWITCHMODE POWER SUPPLIES:

0-65 Watt 3"X5" Open Frame, Universal Input, Single Output Family, ITE	256
0-65 Watt 3"X5" Open Frame, Universal Input, Single Output Family, Medical	259
0-65 Watt 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, ITE	262
0-65 Watt 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical	265
72 Watt Switchmode Power Supply, Single Output, Family Desktop, Universal Input, ITE Class I	268
0-80 Watt 3"X5" Open Frame, Universal Input, Single Output Family, ITE	270
0-80 Watt 3"X5" Open Frame, Universal Input, Single Output Family, Medical	273
0-80 Watt 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, ITE	276
0-80 Watt 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical	279
90 Watt ??V @ ??A, Single Output, Desktop, Switching Power Supply, Universal Input, ITE	282
90 Watt Switching Power Supply, Desktop, Universal Input, ITE, Class I & II, Level V	284
0-90 Watt DC/DC Desktop Switchmode Power Supply, Single Output Family, 11-16 VDC Input, ITE	286
100 Watt DeskTop, Universal Input, Single Output Family, ITE Switchmodes	290
100 Watt Desktop, Universal Input, Single Output Family, Medical Grade Switchmodes	292
100-120 Watt Desktop, Universal Input, Single Output Family, ITE Switchmodes	294

SWITCHMODE POWER SUPPLIES:

100-120 Watt Desktop, Universal Input, Single Output Family, Medical Switchmodes	296
120 Watt Desktop, Universal Input, Single Output Family, ITE and Audio/Video Switchmode Power Supplies	298
0-150 Watt Switching Power Supply, Universal Input, ITE, Class II, Level V	300
150 Watt Universal Input, Single Output Switchers	302
150 Watt Switchmode Power Supply, Single Output Family, Metal Enclosed, Universal Input; ITE	306
200 Watt Universal Input, Single Output Family, ITE Switchmodes	309
200 Watt Universal Input, Single Output Family, Medical Grade Switchmodes	311
200 Watt Switcher, Family, Single Output, Open Frame Universal Input, ITE, Class I	313
200 Watt Switcher, Family, Single Output, Open Frame Universal Input, Medical, Class I	315
240 Watt Maximum, Open Frame Switcher, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II	318
240 Watt Maximum, Open Frame Switcher, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I	324
250 Watt 250 VA Isolation Transformer	327
250 Watt Universal Input, Single Output Switchers	328
270 Watt Universal Input, Single Output Switchers	332
350 Watt Switcher, Family, Single Output, Open Frame Universal Input, ITE, Class I	336
350 Watt Switcher, Family, Single Output, Open Frame Universal Input, Medical, Class I	339

SWITCHMODE POWER SUPPLIES:

400 Watt Switchmode Power Supply, Universal Input,
Hot Swappable, N+1

342

500 Watt Universal Input, Single Output Family,
ITE Switchmodes

344

500 Watt Universal Input, Single Output Family,
Medical Grade Switchmodes

346

DESKTOP AND WALL PLUG-IN LINEAR ADAPTORS:

AC/DC Linear Adaptors For North America And Japan: 350
DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

AC/DC Linear Adaptors For Europe, U.K., Australia: 357
DC Output, Wall Plug-In and DeskTop

AC/AC Linear Adaptors For North America and Japan: 361
AC Output, Wall Plug-in and DeskTop, Class 2
Transformers & ITE Transformers

AC/AC Linear Adaptors For Europe, U.K., Australia: 367
AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

AC/DC Linear Medical Adaptors For North America: 372
DC Output, Wall Plug-In and DeskTop, Class I and II

AC/DC Linear Medical Adaptors For Japan: 374
DC Output, Wall Plug-In Class 2 Transformer

AC/DC Linear Medical Adaptors For Europe, U.K, Australia: 376
DC Output, Wall Plug-In and DeskTop Class I and Class II

AC/AC Linear Medical Adaptors For North America: 379
AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

AC/AC Linear Medical Adaptors For Europe, U.K, Australia: 382
DeskTop and Wall Plug-In Single Output Models

AC/DC Linear Regulated Adaptors For North America and 387
Europe: Single and Multiple Outputs, Wall Plug-In and
DeskTop Models

AC/AC Weatherproof Adaptors For North America, Europe, 389
Australia: AC Output, Wall Plug-In and DeskTop, Outdoor Use

Power Transformers, 1VA TO 180VA, For North 406
America, Europe:PCB Mount, Low-Profile PCB Mount,
Quick Connect, Lead Wire

BATTERY PACKS AND CHARGERS:

Battery Charger Adaptors For North America, JAPAN, Europe, UK: Wall Plug-In and Desktop Battery Chargers

392

Lithium-Ion Battery Charger, 4.2V, 700mA

394

Single Cell Lithium-Ion Battery Charger, for 1-3 Cells, Universal Input, Class II, Medical/ITE, Desktop or Wall Plug-In

396

5 Bay Lithium-Ion Battery Charger

398

5 Bay Lithium-Ion Battery Charger 12.6V@2.5A, per Bay

400

Li-Ion Cylindrical Battery Pack With On-Board Fuel Gauge and Charger

402

Li-Ion Cylindrical Battery Pack with Built-In Fuel Gauge

404

INTERNATIONAL INPUT CONFIGURATIONS 413

ADAPTOR CASE STYLES 414

ACCESSORIES:

Input Cord Options:
International Configurations 424

Output Plug/Cord Options 425

ELECTRICAL PERFORMANCE CURVES 432

TECHNICAL GLOSSARY 451

PART NUMBER ORDERING SYSTEM 456

REQUEST FOR QUOTE 457



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 1-5 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

Wall Plug-In / Desktop

Page Number	30	32	34	36	39	41	44	46	48	52
Safety	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE
Watts@12V	1	1.3	3.7	5	5	5	5	5	5	5
Volts (Vdc) Note: 0.1V increments to max	DB10 SERIES	GT-91088-0124 and GT-91098-0112	GTH51085CC	GT-41078-XXXX-USB	GT-81082-USB SERIES-5W	GT-A81051 SERIES-5W	GT-81083-YYZZ-X.X-W2	GT-81083-YYZZ-X.X-W2E	GT-81083-AUS-YYZZ-X.X-W2U	GT-81083-YYZZ-X.X-W2C
Battery Charger No. of Cells*										
Output Voltage	Current (A) Maximum									
1.5	1					x	x			
3.3	2						x	1.00		
5.0	3				x	1.00	1.00			
6.0	4				x	x	0.83			
7.5	5					x	0.66			
9.0	6					x	0.56			
12.0	7					x	0.42			
13.5	8					x	x			
15.0	9					x	x			
18.0	10					x	x			
24.0						x	x			
30.0						x	x			
48.0						x	x			
5/-5						x	x			
+5/+12						x	x			
+5/+15						x	x			
+5/+24						x	x			
+15/+8						x	x			
+5/+12/-12						x	x			
+5/+12/-5						x	x			
+5/+24/-12						x	x			
+5/+15/-5						x	x			
+5/+15/-5/-15						x	x			
+5/+12/-5/-12						x	x			
+5/+12/+24/-12						x				
Input Configuration	External Wall Plug-In Models									
#=1: NEMA 1-15P				Inter	Yes	NA	Yes	Yes	Yes	Yes
#=2: NEMA 5-15P				Inter	Yes	Yes	N	N	N	N
#=3: Euro				Inter	Yes	Yes	Yes	Yes	Yes	Yes
#=5: UK				Inter	Yes	Yes	Yes	Yes	Yes	Yes
#=7: Aust				Inter	Yes	Yes	Yes	Yes	Yes	Yes
Input Configuration	External Desk Top Models									
#=C: IEC320/C14						NA	NA			
#=K: IEC320/C8						NA	NA			
#=L: IEC320/C6						NA	NA			
	Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed						Enclosed	NA			
	Mechanical									
Size mm(in)	L					63.00	54.00			
(DT / WPI)	W					27.80	29.80			
	H					44.30	40.00			
Weight	grams					63.79	68.00			
	oz.					2.25	2.40			
	Agencies (Contact GlobTek for latest status)									

See Page XX



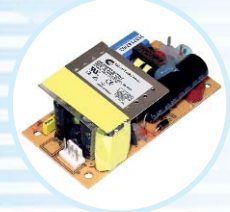
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop									
Page Number		54	56	58	60	62	64	66	68	70	72
Safety		ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE
Watts@12V		5	6	6	6	6	6	6	6	6	6
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GT-81083-YYZZ-X.X-WZA	GT-41076 SERIES-6W	GT-41076-0609-2.5-IS-P2	GT-41134-06VV-X.X	GT-41134-06VV-X.X-W2	GT-41134-06VV-X.X-W2E	GT-41134-06VV-X.X-W2E-USB	GT-41134-06VV-X.X-W2K	GT-41134-06VV-X.X-W2K-USB	GT-41134-06VV-X.X-W2-USB
Output Voltage		Current (A) Maximum									
1.5	1		x	x							
3.3	2		1.8 (1.5)	1.8 (1.5)	MED						
5.0	3		1.20	1.20							
6.0	4		1.00	1.00							
7.5	5		0.80	0.80							
9.0	6		0.66	0.66							
12.0	7		0.50	0.50							
13.5	8		0.43	0.43							
15.0	9		0.40	0.40							
18.0	10		0.33	0.33							
24.0			0.25	0.25							
30.0			x	x							
48.0			x	x							
5/-5			x	x							
+5/+12			x	x							
+5/+15			x	x							
+5/+24			x	x							
+15/+8			x	x							
+5/+12/-12			x	x							
+5/+12/-5			x	x							
+5/+24/-12			x	x							
+5/+15/-5			x	x							
+5/+15/-5/-15			x	x							
+5/+12/-5/-12			x	x							
+5/+12/+24/-12			x	x							
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P	Yes	Inter	Inter	Inter							
#=2: NEMA 5-15P	N	Inter	Inter	Inter							
#=3: Euro	Yes	Inter	Inter	Inter							
#=5: UK	Yes	Inter	Inter	Inter							
#=7: Aust	Yes	Inter	Inter	Inter							
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		NA	NA								
#=K: IEC320/C8		NA	NA								
#=L: IEC320/C6		NA	NA								
		Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed		NA									
		Mechanical									
Size mm(in)	L		64.00								
(DT / WPI)	W		40.00								
	H		29.00								
Weight	grams		160.00								
	oz.		5.80								
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 6 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop									
Page Number		74	76	78	80	82	84	86	88	90	92
Safety		ITE	ITE	ITE	ITE	ITE	ITE	MED	MED		
Watts@12V		6	6	6	6	6	6	6	6	6	6
Volts (Vdc)	Battery Charger No. of Cells*	GT-51084-12N12	GT-81088-WWWV-X.X-W2	GT-81088-WWWV-X.X-W2A	GT-81088-WWWV-X.X-W2E	GT-83034-WWWV-X.X-W2	GT-83034-WWWV-X.X-W2A	GT-83034-WWWV-X.X-W2E	GT-91114-0612-PP	GTM41076 SERIES-6W	GTM41134 Series
Note: 0.1V increments to max											
Output Voltage		Current (A) Maximum									
1.5	1										x
3.3	2										x
5.0	3										1.20
6.0	4										1.00
7.5	5										0.80
9.0	6										0.66
12.0	7										0.50
13.5	8										0.44
15.0	9										0.40
18.0	10										0.33
24.0											0.25
30.0											0.16
48.0											x
5/-5											x
+5/+12											x
+5/+15											x
+5/+24											x
+15/+8											x
+5/+12/-12											x
+5/+12/-5											x
+5/+24/-12											x
+5/+15/-5											x
+5/+15/-5/-15											x
+5/+12/-5/-12											x
+5/+12/+24/-12											x
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P											Inter
#=2: NEMA 5-15P											Inter
#=3: Euro											Inter
#=5: UK											Inter
#=7: Aust											Inter
Input Configuration		External Desk Top Models									
#=C: IEC320/C14											NA
#=K: IEC320/C8											NA
#=L: IEC320/C6											NA
		Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed											NA
		Mechanical									
Size mm(in)	L										74.00
(DT / WPI)	W										43.50
	H										34.00
Weight	grams										198.00
	oz.										7.10
Agencies (Contact GlobTek for latest status)											



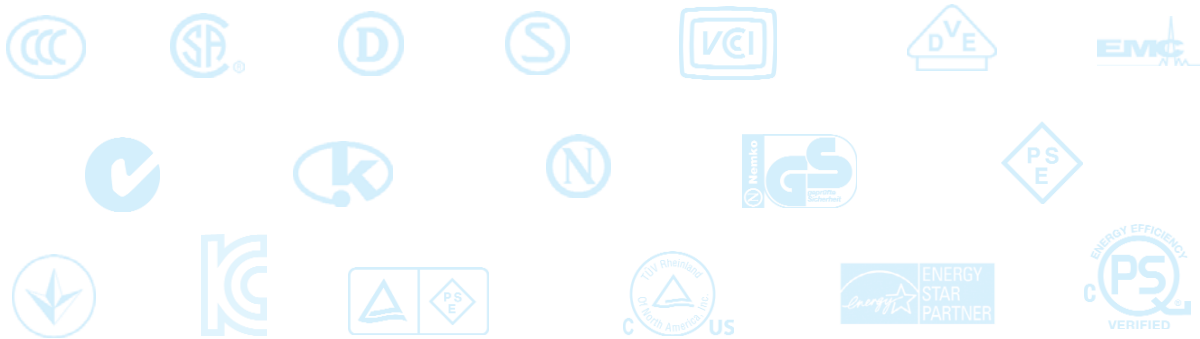
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop				POE		Wall Plug-In / Desktop			
Page Number		94	96	98	100	102	104	106	108	110	112
Safety		ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE
Watts@12V		8	10	12	12	12	12	15	15	15	15
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GT-91080-12AA	GT-5M10 SERIES-10W	GT-21088 AND GT-4101W SERIES-12W	GT-41135-12VW-X.X	GT-91080-12AA	GT-91087-12xx(R)	GT-21098 SERIES 15W	GT-41052 SERIES-15W	GT-81085-YYZZ-X.X-W2	GT-81085-YYZZ-X.X-W2E
Output Voltage		Current (A) Maximum									
1.5	1		x	x		x	1.50	x	x	x	x
3.3	2		x	x		x	1.50	x	x	x	x
5.0	3		x	2.00		2.60	1.50	3.00	2.60	2.50	2.50
6.0	4		x	2.00		2.50	1.50	x	2.50	2.17	2.17
7.5	5		x	1.30		2.00	1.50	x	2.00	1.73	1.73
9.0	6		1.00	1.10		1.70	1.50	x	1.70	1.67	1.67
12.0	7		0.80	0.85		1.20	1.50	x	1.20	1.25	1.25
13.5	8		0.74	x		1.11	1.20	x	1.11	1.11	1.11
15.0	9		0.66	0.66		1.00	1.10	x	1.00	x	x
18.0	10		x	0.55		0.80	1.00	x	0.80	x	x
24.0			x	0.50		0.63	x	x	0.63	x	x
30.0			x	x		x	x	x	x	x	x
48.0			x	x		x	x	x	x	x	x
5/-5			x	x		x	x	x	x	x	x
+5/+12			x	x		x	x	x	x	x	x
+5/+15			x	x		x	x	x	x	x	x
+5/+24			x	x		x	x	x	x	x	x
+15/+8			x	x		x	x	x	x	x	x
+5/+12/-12			x	x		x	x	x	x	x	x
+5/+12/-5			x	x		x	x	x	x	x	x
+5/+24/-12			x	x		x	x	x	x	x	x
+5/+15/-5			x	x		x	x	x	x	x	x
+5/+15/-5/-15			x	x		x	x	x	x	x	x
+5/+12/-5/-12			x	x		x	x	x	x	x	x
+5/+12/+24/-12			x	x		x	x	x	x	x	x
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P		Yes	Yes		Inter	Inter	NA	Inter	Yes	Yes	
#=2: NEMA 5-15P		NA	NA		Inter	Inter	NA	Inter	NA	NA	
#=3: Euro		Yes	Yes		Inter	Inter	NA	Inter	NA	NA	
#=5: UK		NA	NA		Inter	Inter	NA	Inter	NA	NA	
#=7: Aust		NA	NA		Inter	Inter	NA	Inter	NA	NA	
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		NA	NA		NA	NA	NA	NA	NA	NA	NA
#=K: IEC320/C8		NA	NA		NA	Yes	NA	NA	NA	NA	NA
#=L: IEC320/C6		NA	NA		NA	Yes	NA	NA	NA	NA	NA
		Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed		NA	NA		NA	NA	Open Frame	NA	NA	NA	NA
		Mechanical									
Size mm(in)	L	57.00	60.00		74.00	74.00	100.00	74.00	69.00	69.00	
(DT / WPI)	W	48.00	44.00		44.00	43.50	55.90	43.50	28.80	28.80	
	H	26.00	25.00		34.00	34.00	25.40	34.00	45.00	45.00	
Weight	grams	110.00	120.00		198.00	198.00	85.50	198.00	147.40	153.1	
	oz.	4.00	4.32		7.10	7.10	3.00	7.10	5.20	5.40	
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



SWITCHMODE POWER SUPPLIES 15-18 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

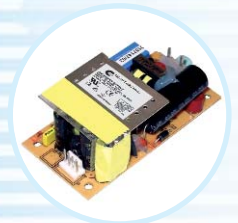
		POE			POE			Wall Plug-In / Desktop			OPEN
Page Number		115	116	118	120	122	124	126	128	130	132
Safety		ITE	ITE	ITE	MED	ITE	ITE	ITE	ITE	MED	MED
Watts@12V		15	15	15	15	15.4	18	18	18	18	18
Volts (Vdc)	Battery Charger No. of Cells*	GT-81085-YYZZ- X.X-WZU	GT-91085	GTD21088L-1505- T2	GTM41080-1812- C1	GT-91085-1548-W3	GT-41062	GT-41062-T2, T3, T3A	GT-41080/ GT-41081	GTM41080	GTM41080-F
Note: 0.1V increments to max											
Output Voltage		Current (A) Maximum									
1.5	1	x	x	x			x	x			
3.3	2	x	x	2.50			x	x			
5.0	3	2.50	x	3.00			3.2/3.6	3.2/3.8			
6.0	4	2.17	x	3.00			3.00	5.00			
7.5	5	1.73	x	1.50			2.40	4.40			
9.0	6	1.67	x	2.50			2.00	4.00			
12.0	7	1.25	x	2.00			1.50	3.50			
13.5	8	1.11	x	x			1.20	3.20			
15.0	9	x	x	x			1.10	3.10			
18.0	10	x	x	x			1.00	3.00			
24.0		x	x	x			0.75	2.75			
30.0		x	x				x	x			
48.0		x	0.32	x			x	x			
5/-5		x	x	x			x	x			
+5/+12		x	x	x			x	x			
+5/+15		x	x	x			x	x			
+5/+24		x	x	x			x	x			
+15/+8		x	x	x			x	x			
+5/+12/-12		x	x	x			x	x			
+5/+12/-5		x	x	x			x	x			
+5/+24/-12		x	x	x			x	x			
+5/+15/-5		x	x	x			x	x			
+5/+15/-5/-15		x	x	x			x	x			
+5/+12/-5/-12		x	x	x			x	x			
+5/+12/+24/-12		x	x	x			x	x			
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P		Yes	NA	NA			Inter	Inter			
#=2: NEMA 5-15P		NA	NA	NA			Inter	Inter			
#=3: Euro		NA	NA	NA			Inter	Inter			
#=5: UK		NA	NA	NA			Inter	Inter			
#=7: Aust		NA	NA	NA			Inter	Inter			
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		NA	NA	NA			NA	NA			
#=K: IEC320/C8		NA	NA	NA			Yes	Yes			
#=L: IEC320/C6		NA	NA	NA			Yes	Yes			
Internal Models (Open Frame, PCB, Enclosed)											
Open Frame/Enclosed		NA	Enclosed	NA			NA	NA			
Mechanical											
Size mm(in)	L	69.00	85.00	57.00			74/81	74/83			
(DT / WPI)	W	28.80	55.00	48.00			44/50	44/52			
	H	45.00	30.00	26.00			34/31	34/33			
Weight	grams	153.1	150.00	110.00			198.00	200.00			
	oz.	5.40	5.29	3.96			7.13	7.20			
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

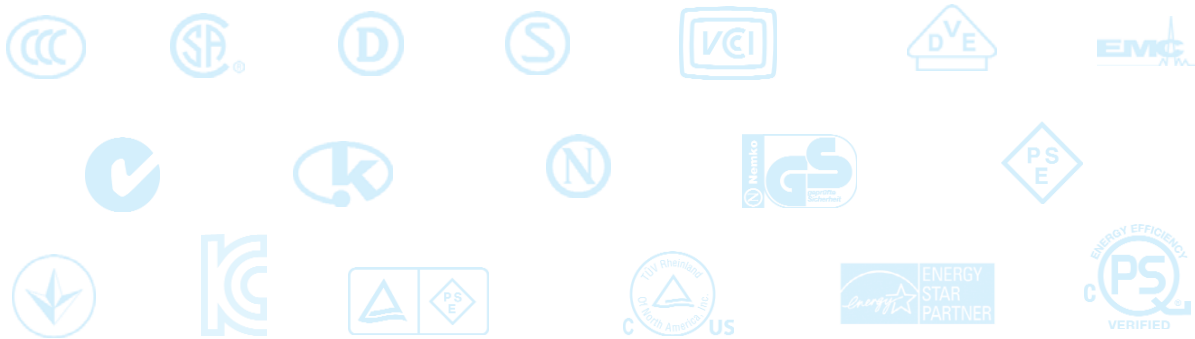


ISO 9001:2008 REGISTERED



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop				OPEN FRAME		Wall Plug-In / Desktop			
Page Number		134	136	139	142	145	148	151	153	155	157
Safety		ITE	ITE	MED	MED	ITE	MED	ITE	ITE	ITE	ITE
Watts@12V		18	19	19	19	19	19	20	20	20	20
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GT-41082-18VV-X-X-T2, T3, T3A		GT-21089 SERIES-19W		GT-21089 SERIES-19W		GT-21096 SERIES-19W		GT-4202D SERIES-20W	
		GT-4203D SERIES-20W		GT-81041-YYZZ-X-X-W2		GT-81087-20VV-X-X-W2					
Output Voltage		Current (A) Maximum									
1.5	1			x		x	x	x	x	x	
3.3	2			2.60		2.60	2.60	x	x	3.00	
5.0	3			2.60		2.6-3.0	2.6-3.0	x	x	3.00	
6.0	4			2.50		2.50	2.50	x	x	2.50	
7.5	5			2.50		2.50	2.50	x	x	2.00	
9.0	6			1.70		1.70	1.70	x	x	1.60	
12.0	7			1.25		1.25	1.25	x	x	1.70	
13.5	8			1.11		1.11	1.11	x	x	1.50	
15.0	9			1.20		1.20	1.20	x	x	1.36	
18.0	10			1.00		1.00	1.00	x	x	1.13	
24.0				0.75		0.75	0.75	x	x	85.00	
30.0				x				x	x	x	
48.0				0.32		0.40	0.40	x	x	x	
5/-5				x		x	x	+2.5(Up to +1.5)	x	x	
+5/+12				x		x	x	x	x	x	
+5/+15				x		x	x	x	x	x	
+5/+24				x		x	x	x	x	x	
+15/+8				x		x	x	x	+20(Up to 1.0)	x	
+5/+12/-12				x		x	x	x	02	x	
+5/+12/-5				x		x	x	x	x	x	
+5/+24/-12				x		x	x	x	x	x	
+5/+15/-5				x		x	x	x	x	x	
+5/+15/-5/-15				x		x	x	x	x	x	
+5/+12/-5/-12				x		x	x	x	x	x	
+5/+12/+24/-12				x		x	x	x	x	x	
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P		Yes	Yes	Yes	NA	NA	NA	NA	NA	Yes	
#=2: NEMA 5-15P		Yes	Yes	Yes	NA	NA	NA	NA	NA	no	
#=3: Euro		Yes	Yes	Yes	NA	NA	NA	NA	NA	Yes	
#=5: UK		Yes	Yes	Yes	NA	NA	NA	NA	NA	Yes	
#=7: Aust		Yes	Yes	Yes	NA	NA	NA	NA	NA	Yes	
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		Yes	Yes	Yes	NA	NA	Yes	NA	NA	NA	
#=K: IEC320/C8		Yes	NA	NA	NA	NA	NA	NA	NA	NA	
#=L: IEC320/C6		NA	NA	NA	NA	NA	NA	NA	NA	NA	
		Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed		Enclosed	Yes	Yes	Yes	Yes	Enclosed	Enclosed	Enclosed	NA	
		Mechanical					Enclosed				
Size mm(in)	L	86.50	7.00		84.6(3.3)	84.6(3.3)	110.00			73.5	
(DT / WPI)	W	47.00	47/49		41.6(1.6)	41.6(1.6)	60.00		110.00	46.1	
	H	32.00	32/40		28.9(1.1)	28.9(1.1)	34.00		60.00	35	
Weight	grams	130.40	132.70		170.00	170.00	314.70		34.00	100	
	oz.	4.60	4.68		6.12	6.12	11.10		323,20	3.60	
									Agencies (Contact GlobTek for latest status)		11.40



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 20-25 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop									
Page Number		159	161	163	165	167	169	170	172	174	176
Safety		ITE	ITE	ITE	MED	MED	ITE	ITE	ITE	ITE	ITE
Watts@12V		20	20	20	20	20	23	24	24	24	25
Volts (Vdc)	Battery Charger No. of Cells*	GT-81087-20VV-X.X-W2E	GT-81087-20VV-X.X-W2EU	GTD21088L SERIES-20W	GT-M91129-2005-USB	GT-M93021-WWVV-X.X-P	GT-22038 SERIES-23W	GT-41130-20VV-X.X-W2, W2E, W2U	GT-41130-20VV-X.X-T2, T3, T3A	GTD21148 SERIES-24W	GT-25 SERIES-25W
Note: 0.1V increments to max											
Output Voltage	Current (A) Maximum										
1.5	1									x	x
3.3	2									x	x
5.0	3									3.00	5.00
6.0	4									x	x
7.5	5									2.00	x
9.0	6									x	x
12.0	7									2.00	2.10
13.5	8									x	x
15.0	9									1.50	1.70
18.0	10									1.33	
24.0										1.00	1.10
30.0										x	x
48.0										x	x
5/-5										x	x
+5/+12										x	x
+5/+15										x	x
+5/+24										x	x
+15/+8										x	x
+5/+12/-12										x	x
+5/+12/-5										x	x
+5/+24/-12										x	x
+5/+15/-5										x	x
+5/+15/-5/-15										x	x
+5/+12/-5/-12											x
+5/+12/+24/-12											x
Input Configuration	External Wall Plug-In Models										
#=1: NEMA 1-15P										NA	NA
#=2: NEMA 5-15P										NA	NA
#=3: Euro										NA	NA
#=5: UK										NA	NA
#=7: Aust										NA	NA
Input Configuration	External Desk Top Models										
#=C: IEC320/C14										NA	NA
#=K: IEC320/C8										NA	NA
#=L: IEC320/C6										NA	NA
Internal Models (Open Frame, PCB, Enclosed)											
Open Frame/Enclosed										Enclosed	OF
		Mechanical									
Size mm(in)	L									103.00	87.00
(DT / WPI)	W									50.00	97.00
	H									32.50	30.50
Weight	grams									215.50	500.00
	oz.									7.60	18.00
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

Page Number	Open			Open			Wall Plug-In / Desktop		Wall Plug-In / Desktop		
	178	180	182	184	187	190	192	194	196	198	
Safety	ITE	ITE	MED	MED	ITE	ITE	ITE	ITE	MED	MED	
Watts@12V	25	25	25	25	30	30	30	30	30	30	
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GT-41060	GT-41060-FW	GTM41060	GTM41060-FW	GT-21148 SERIES-30W	GT-41131-30VV-X-X	GT-91120-WWWV-X-X-T2	GT-91120-WWWV-X-X-T3A	GTM51060-3015-30W	GTM91120-P2
Output Voltage		Current (A) Maximum									
1.5	1		x	x	x	x					
3.3	2		2.60	3.00	2.60	3.00					
5.0	3	2.60	3.00	3.00	3.00	4.00					
6.0	4	3.00	2.80	2.80	2.80	4.20					
7.5	5	2.80	2.57	2.40	2.57	3.45					
9.0	6	2.57	2.00	2.00	2.00	3.00					
12.0	7	2.00	2.08	2.08	2.08	2.50					
13.5	8	2.08	x	1.30	x	2.22					
15.0	9	x	1.67	1.67	1.67	2.00					
18.0	10	1.67	1.40	1.40	1.40	1.67					
24.0		1.40	1.04	1.04	1.04	1.25					
30.0		1.04	0.83	0.83	0.83	x					
48.0		0.83	x	x	x	x					
5/-5		x	x	x	x	x					
+5/+12		x	x	x	x	x					
+5/+15		x	x	x	x	x					
+5/+24		x	x	x	x	x					
+15/+8		x	x	x	x	x					
+5/+12/-12		x	x	x	x	x					
+5/+12/-5		x	x	x	x	x					
+5/+24/-12		x	x	x	x	x					
+5/+15/-5		x	x	x	x	x					
+5/+15/-15		x	x	x	x	x					
+5/+12/-5/-12		x	x	x	x	x					
+5/+12/+24/-12		x		x		x					
Input Configuration	External Wall Plug-In Models										
#=1: NEMA 1-15P	Inter	NA	Inter	NA	NA						
#=2: NEMA 5-15P	Inter	NA	Inter	NA	NA						
#=3: Euro	Inter	NA	Inter	NA	NA						
#=5: UK	Inter	NA	Inter	NA	NA						
#=7: Aust	Inter	NA	Inter	NA	NA						
Input Configuration	External Desk Top Models										
#=C: IEC320/C14	NA	NA	NA	NA	NA						
#=K: IEC320/C8	NA	NA	NA	NA	Yes						
#=L: IEC320/C6	NA	NA	NA	NA	Yes						
	Internal Models (Open Frame, PCB, Enclosed)										
Open Frame/Enclosed	Enclosed	Open Frame	NA	Open Frame	NA						
	Mechanical										
Size mm(in)	L	84.00	98.00	84.00	98.00	103.00					
(DT / WPI)	W	56.00	50.00	56.00	50.00	50.00					
	H	37.90	28.00	37.90	28.00	32.00					
Weight	grams	200.00	246.60	200.00	252.30	150.00					
	oz.	7.20	8.70	7.20	8.90	5.40					
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 30-50 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

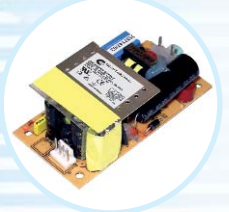
		POE			Wall Plug-In / Desktop						
Page Number		200	202	204	206	208	210	212	214	216	218
Safety		MED	MED	ITE	ITE	ITE	ITE	ITE	ITE	MED	ITE
Watts@12V		30	30	35	40	40	40	50	50	50	50
Volts (Vdc)	Battery Charger No. of Cells*	GTM91120-P3	GTM91120-XXXX-X.X-T2, T3A	GT-91085-3550	GT-41083-T2	GT-43006-4015-3.0-T2, T3, T3A	GT-43007-XXYY	GT-21086	GT-21097 SERIES-50W	GTM21097 SERIES-50W	GT221097 SERIES-50W
Note: 0.1V increments to max											
Output Voltage		Current (A) Maximum									
1.5	1	x		x				x	x	x	x
3.3	2			x				x	5.00	5.00	6.00
5.0	3			x				6.00	5.00	5.00	6.00
6.0	4			x				x	5.00	5.00	5.00
7.5	5			x				x	5.00	5.00	5.00
9.0	6			x				5.00	5.00	5.00	5.00
12.0	7			x				4.10	4.17	4.17	4.17
13.5	8			x				x	3.70	3.70	3.70
15.0	9			x				3.30	3.30	3.30	3.30
18.0	10			x				2.70	2.80	2.80	2.80
24.0				x				2.10	2.10	2.10	2.10
30.0				x				x	x	x	1.70
48.0				0.70				1.00	x	x	1.10
5/-5				x				x	x	x	x
+5/+12				x				x	x	x	x
+5/+15				x				x	x	x	x
+5/+24				x				x	x	x	x
+15/+8				x				x	x	x	x
+5/+12/-12				x				x	x	x	x
+5/+12/-5				x				x	x	x	x
+5/+24/-12				x				x	x	x	x
+5/+15/-5				x				x	x	x	x
+5/+15/-5/-15				x				x	x	x	x
+5/+12/-5/-12				x				x	x	x	x
+5/+12/+24/-12				x					x	x	x
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P				NA				NA	NA	NA	NA
#=2: NEMA 5-15P				NA				NA	NA	NA	NA
#=3: Euro				NA				NA	NA	NA	NA
#=5: UK				NA				NA	NA	NA	NA
#=7: Aust				NA				NA	NA	NA	NA
Input Configuration		External Desk Top Models									
#=C: IEC320/C14				NA				NA	Yes	Yes	Yes
#=K: IEC320/C8				NA				NA	NA	Yes	NA
#=L: IEC320/C6				NA				NA	NA	NA	NA
		Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed		DT					Enclosed			NA	
		Mechanical									
Size mm(in)	L	125.00					141.00			119.00	
(DT / WPI)	W	75.00					76.00			60.00	
	H	38.00					43.00			32.00	
Weight	grams	288.00					793.80			280.00	
	oz.	10.37					28.00			10.08	
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

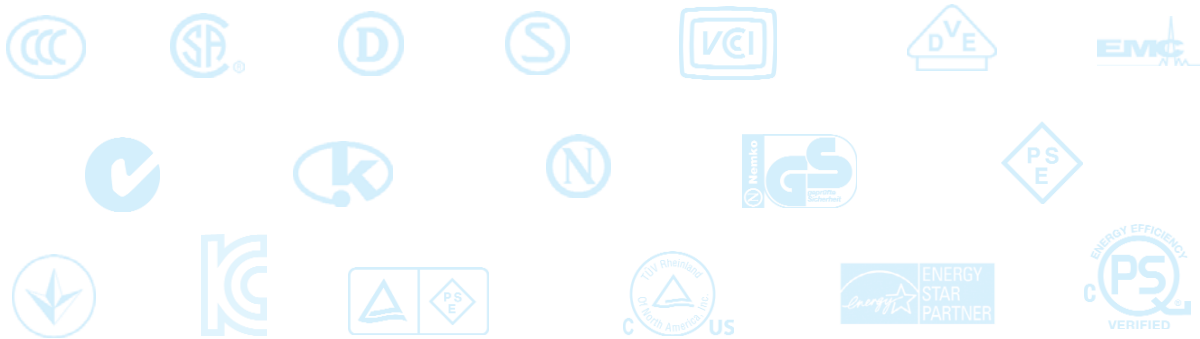


ISO 9001:2008 REGISTERED



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

Page Number	Wall Plug-In / Desktop					POE		Wall Plug-In / Desktop			
	220	222	224	226	228	230	232	234	236	238	
Safety	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	ITE	MED	
Watts@12V	50	50	60	60	60	60	60	60	60	60	
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*										
	GT-221097(CC)SERIES-50W UL1310	GT-43008-50VV-X.X-T2, T3, T3A	GT-21126 SERIES-60W	GT-22011 SERIES 0-60W	GT-41132-60VV-X.X-T2, T3, T3A	GT-561 SERIES-60W	GT-81081-YYZZ-X.X	GT-81081-YYZZ-X.X-T3	GT-91075-6012	GT1M91099-XXYY-W2	
Output Voltage	Current (A) Maximum										
1.5	1	x	x	x		x			x	x	
3.3	2	5.00		x	x	9000.00			x	x	
5.0	3	5.00		x	x		x		x	x	
6.0	4	5.00		x	x		x		x	x	
7.5	5	5.00		x	6.00		x		x	x	
9.0	6	5.00		5.00	5.50		x		x	x	
12.0	7	4.17		5.00	5.00		x	5.00	x	5.00	
13.5	8	3.70		4.44	4.44		x	4.40	x	x	
15.0	9	3.30		4.00	4.00		x	4.00	5.00	4.00	
18.0	10	2.80		3.30	3.33		x	3.30	x	3.30	
24.0		2.10		2.50	2.08		x	2.50	x	2.50	
30.0		x		x	x		x	x	x	x	
48.0		x		x	x		x	x	x	1.25	
5/-5		x		x	x		7/7.5	x	x	x	
+5/+12		x		x	x		5/2	x	x	x	
+5/+15		x		x	x		5/1.6	x	x	x	
+5/+24		x		x	x		5/1	x	x	x	
+15/+8		x		x	x		2/1.7	x	x	x	
+5/+12/-12		x		x	x		5/1.5/5	x	x	x	
+5/+12/-5		x		x	x		5/1.5/8	x	x	x	
+5/+24/-12		x		x	x		5/7.5/5	x	x	x	
+5/+15/-5		x		x	x		5/1.5/5	x	x	x	
+5/+15/-15		x		x	x		5/1.5/2	x	x	x	
+5/+12/-5/-12		x		x	x		5/1.5/2	x	x	x	
+5/+12/+24/-12		x		x	x		x	x			
Input Configuration	External Wall Plug-In Models										
#=1: NEMA 1-15P	NA		NA	NA	NA	NA	NA	NA	Yes	Yes	
#=2: NEMA 5-15P	NA		NA	NA	NA	NA	NA	NA	NA	Yes	
#=3: Euro	NA		NA	NA	NA	NA	NA	NA	NA	Yes	
#=5: UK	NA		NA	NA	NA	NA	NA	NA	NA	Yes	
#=7: Aust	NA		NA	NA	NA	NA	NA	NA	NA	Yes	
Input Configuration	External Desk Top Models										
#=C: IEC320/C14	Yes		NA	Yes	Yes	Yes	Yes	Yes	NA	NA	
#=K: IEC320/C8	NA		NA	NA	NA	NA	Yes	Yes	NA	NA	
#=L: IEC320/C6	NA		NA	NA	NA	NA	Yes	Yes	NA	NA	
	Internal Models (Open Frame, PCB, Enclosed)										
Open Frame/Enclosed			NA	NA	NA	NA	Yes	Yes	Enclosed	Enclosed	
	Mechanical										
Size mm(in)	L		119.00	99.00	164.00	121.00			74.00	118.50	
(DT / WPI)	W		60.00	63.00	85.00	56.00			49.00	53.50	
	H		32.00	30.00	53.00	33.00			40.50	34.20	
Weight	grams		288.00	255.00	531.00	288.00			218.30		
	oz.		10.37	9.18	19.12	10.37			7.70		
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 60-80 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop						Open Frame			
Page Number		240	242	244	246	248	250	252	256	259	262
Safety		ITE	MED	ITE	MED	MED	MED	MED	ITE	MED	ITE
Watts@12V		60	60	60	60	60	60	60	65	65	65
Volts (Vdc)	Battery Charger No. of Cells*	GT-B1057	GTMB1057	GTD2109 SERIES-60W	GTM91075-6012-W3E	GTM91099-60VV-X-X-T2	GTM91099-WVVV-X-X-T3A	GTM91099-60VV-X-X-P2, P3	GT-2065 SERIES-65W	GTM2065 SERIES-65W	GT-2066 SERIES-65W
Output Voltage		Current (A) Maximum									
1.5	1	x	x	x	x				x	x	x
3.3	2	x	x	x	x				10.00	10.00	10.00
5.0	3	x	x	x	x				8.00	8.00	8.00
6.0	4	x	x	x	x				8.00	8.00	8.00
7.5	5	x	x	x	x				8.67	8.67	8.67
9.0	6	6.00	5.50	x	x				7.22	7.22	7.22
12.0	7	5.00	5.00	x	x				5.42	5.42	5.42
13.5	8	x	4.44	x	x				4.81	4.81	4.81
15.0	9	4.00	4.00	3.50	5.00				3.61	3.61	3.61
18.0	10	3.30	3.33	3.00	x				3.60	3.60	3.60
24.0		2.50	2.50	2.30	x				2.70	2.70	2.70
30.0		2.00	2.00	x	x				2.10	2.10	2.10
48.0		x	x	1.00	x				1.36	1.36	1.36
5/-5		x	x	x	x						
+5/+12		x	x	x	x						
+5/+15		x	x	x	x						
+5/+24		x	x	x	x						
+15/+8		x	x	x	x						
+5/+12/-12		x	x	x	x						
+5/+12/-5		x	x	x	x						
+5/+24/-12		x	x	x	x						
+5/+15/-5		x	x	x	x						
+5/+15/-5/-15		x	x	x	x						
+5/+12/-5/-12		x	x	x	x						
+5/+12/+24/-12			x								
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P			NA	NA	Yes				NA	NA	NA
#=2: NEMA 5-15P		NA	NA	NA	NA				NA	NA	NA
#=3: Euro		NA	NA	NA	NA				NA	NA	NA
#=5: UK		NA	NA	NA	NA				NA	NA	NA
#=7: Aust		NA	NA	NA	NA				NA	NA	NA
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		NA	Yes	NA	NA				NA	NA	NA
#=K: IEC320/C8		Yes	Y	NA	NA				NA	NA	NA
#=L: IEC320/C6		NA	NA	NA	NA				NA	NA	NA
Input Configuration		Internal Models (Open Frame, PCB, Enclosed)									
Open Frame/Enclosed	Enclosed	NA	Enclosed	Enclosed					PCB	PCB	PCB
		Mechanical									
Size mm(in)	L	120.00	99.00	103.00	74.00				127.00	127.00	127.00
(DT / WPI)	W	60.50	63.00	50.00	49.00				76.00	76.00	76.00
	H	36.50	30.00	32.50	40.50				1.2/1.35	1.2/1.35	1.2/1.35
Weight	grams	350.00	255.00	209.00	224.00				450.00	450.00	450.00
	oz.	12.35	9.18	7.37	7.90				16.20	16.20	16.20
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop						Wall Plug-In / Desktop													
Page Number		265	268	270	273	276	279	282	284	286	288										
Safety		MED	ITE	ITE	MED	ITE	MED	ITE	ITE	ITE	ITE										
Watts@12V		65	72	80	80	80	80	90	90	90	90										
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GTM2066 SERIES-65W		GT-21131 SERIES-72W		GT-2065 SERIES-80W		GTM2065 SERIES-80W		GT-2066 SERIES-80W		GTM2066 SERIES-80W		GT-41069P90YY-X-T3		GT-41133-90VV-X-X-T2, T3, T3A		GTD28000 SERIES-90W		GTD28001 SERIES-90W	
Output Voltage		Current (A) Maximum																			
1.5	1	x	x	x	x	x	x	x													
3.3	2	10.00	8.00	16.67	16.67	16.67	16.67	16.67	x												
5.0	3	8.00	8.00	11.00	11.00	11.00	11.00	11.00	x												
6.0	4	8.00	6.00	9.10	9.10	9.10	9.10	9.10	x												
7.5	5	8.67	6.00	10.66	10.66	10.66	10.66	10.66	x												
9.0	6	7.22	6.00	8.89	8.89	8.89	8.89	8.89	x												
12.0	7	5.42	6.00	6.67	6.67	6.67	6.67	6.67	6.50												
13.5	8	4.81	5.30	5.92	5.92	5.92	5.92	5.92	x												
15.0	9	3.61	4.80	5.33	5.33	5.33	5.33	5.33	5.20												
18.0	10	3.60	4.00	4.44	4.44	4.44	4.44	4.44	4.70												
24.0		2.70	3.00	3.33	3.33	3.33	3.33	3.33	3.70												
30.0		2.10	x	2.20	2.20	2.20	2.20	2.20	3.00												
48.0		1.36	1.50	1.67	1.67	1.67	1.67	1.67	x												
5/-5			x						x												
+5/+12			x						x												
+5/+15			x						x												
+5/+24			x						x												
+15/+8			x						x												
+5/+12/-12			x						x												
+5/+12/-5			x						x												
+5/+24/-12			x						x												
+5/+15/-5			x						x												
+5/+15/-5/-15			x						x												
+5/+12/-5/-12			x						x												
+5/+12/+24/-12			x						x												
Input Configuration		External Wall Plug-In Models																			
#=1: NEMA 1-15P		NA	NA	NA	NA	NA	NA	NA	NA												
#=2: NEMA 5-15P		NA	NA	NA	NA	NA	NA	NA	NA												
#=3: Euro		NA	NA	NA	NA	NA	NA	NA	NA												
#=5: UK		NA	NA	NA	NA	NA	NA	NA	NA												
#=7: Aust		NA	NA	NA	NA	NA	NA	NA	NA												
Input Configuration		External Desk Top Models																			
#=C: IEC320/C14		NA	Yes	NA	NA	NA	NA	NA	Yes												
#=K: IEC320/C8		NA	NA	NA	NA	NA	NA	NA	NA												
#=L: IEC320/C6		NA	NA	NA	NA	NA	NA	NA	NA												
Internal Models (Open Frame, PCB, Enclosed)																					
Open Frame/Enclosed		PCB	NA	PCB	PCB	PCB	PCB	PCB	Enclosed												
Mechanical																					
Size mm(in)	L	127.00	141.50	127.00	127.00	127.00	127.00	127.00	167.00												
(DT / WPI)	W	76.00	76.00	76.00	76.00	76.00	76.00	76.00	62.00												
	H	1.2/1.35	43.00	1.2/1.35	1.2/1.35	1.2/1.35	1.2/1.35	1.2/1.35	34.00												
Weight	grams	450.00	504.00	450.00	450.00	450.00	450.00	450.00	499.00												
	oz.	16.20	18.14	16.20	16.20	16.20	16.20	16.20	17.60												
Agencies (Contact GlobTek for latest status)																					



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 100-200 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Wall Plug-In / Desktop									
Page Number		290	292	294	296	298	300	302	304	306	309
Safety		ITE	MED	ITE	MED	ITE	ITE	ITE	MED	ITE	ITE
Watts@12V		100	100	120	120	120	150	150	150	150	200
Volts (Vdc)	Battery Charger No. of Cells*	GT-9100 SERIES-100W	GTM9100 SERIES-100W	GT-9100P SERIES-100-120W	GTM9100P SERIES-100-120W	GTA41077P SERIES-120W	GT-43004P120V-VXX-T3	GT-9250 SERIES-150W	GTM9250 SERIES-150W	RT-3S150 SERIES-150W	GT-9200 SERIES-200W
Output Voltage		Current (A) Maximum									
1.5	1	x	x	x	x	x		x	x	x	x
3.3	2	15.00	15.00	x	x	x		22.72	22.72	30.00	30.00
5.0	3	20.00	20.00	x	x	x		20.00	20.00	30.00	40.00
6.0	4	16.67	16.67	x	x	x		x	x	x	33.33
7.5	5	13.33	13.33	x	x	x		13.33	13.33	x	26.67
9.0	6	8.33	8.33	x	x	x		16.67	16.67	16.70	22.22
12.0	7	8.34	8.34	8.34	8.34	8.34		12.50	12.50	12.50	16.67
13.5	8	7.41	7.41	7.41	7.41	7.41		x	x	11.00	14.81
15.0	9	6.67	6.67	6.67	6.67	6.67		10.00	10.00	10.00	13.33
18.0	10	5.56	5.56	5.56	5.56	5.50		8.33	8.33	8.40	11.11
24.0		4.17	4.17	4.17	4.17	5.00		6.25	6.25	6.30	8.33
30.0		2.78	2.78	2.78	2.78	2.78		4.17	4.17	x	x
48.0		2.08	2.08	2.08	2.08	2.50		3.12	3.12	3.20	4.17
5/-5		x	x	x	x	x		x	x	x	x
+5/+12		x	x	x	x	x		x	x	x	x
+5/+15		x	x	x	x	x		x	x	x	x
+5/+24		x	x	x	x	x		x	x	x	x
+15/+8		x	x	x	x	x		x	x	x	x
+5/+12/-12		x	x	x	x	x		x	x	x	x
+5/+12/-5		x	x	x	x	x		x	x	x	x
+5/+24/-12		x	x	x	x	x		x	x	x	x
+5/+15/-5		x	x	x	x	x		x	x	x	x
+5/+15/-5/-15		x	x	x	x	x		x	x	x	x
+5/+12/-5/-12		x	x	x	x	x		x	x	x	x
+5/+12/+24/-12											
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P		NA	NA	NA	NA	NA		NA	NA	NA	NA
#=2: NEMA 5-15P		NA	NA	NA	NA	NA		NA	NA	NA	NA
#=3: Euro		NA	NA	NA	NA	NA		NA	NA	NA	NA
#=5: UK		NA	NA	NA	NA	NA		NA	NA	NA	NA
#=7: Aust		NA	NA	NA	NA	NA		NA	NA	NA	NA
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		Yes	Yes	Yes	Yes	Yes		NA	NA	NA	NA
#=K: IEC320/C8		NA	NA	NA	NA	NA		NA	NA	NA	NA
#=L: IEC320/C6		NA	NA	NA	NA	NA		NA	NA	NA	NA
Internal Models (Open Frame, PCB, Enclosed)											
Open Frame/Enclosed		Enclosed	Enclosed	Enclosed	Enclosed	Enclosed	Open Frame	Open Frame	Enclosed	Enclosed	
Mechanical											
Size mm(in)	L	209.00	209.00	176.50	176.50	176.50	208.00	208.00	199.00	256.40	
(DT / WPI)	W	112.00	112.00	74.00	74.00	74.00	111.72	111.72	110.00	127.00	
	H	56.00	56.00	40.00	40.00	40.00	42.00	42.00	50.00	63.50	
Weight	grams	793.80	861.80	878.80	893.00	677.60	1304.00	1347.00	748.40	1196.00	
	oz.	28.00	30.40	31.00	31.50	23.90	46.00	47.50	26.40	42.20	

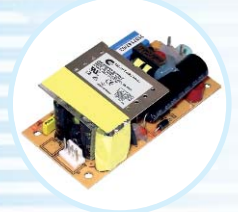
Agencies (Contact GlobTek for latest status)



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

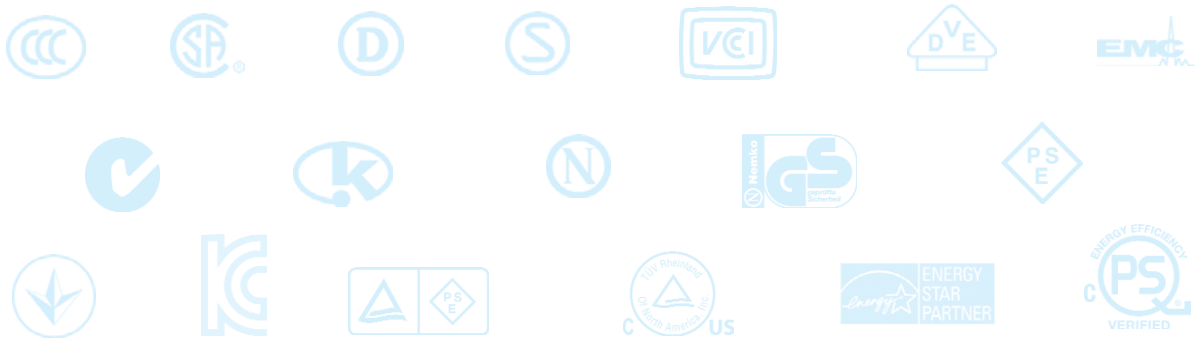


ISO 9001:2008 REGISTERED



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Open Frame					Wall Plug-In / Desktop				
Page Number		311	313	315	318	324	327	328	330	332	334
Safety		MED	ITE	MED	MED	MED	ITE	ITE	MED	ITE	MED
Watts@12V		200	200	200	240	240	250	250	250	270	270
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GTM9200 SERIES-200W	GT-9200P200	GTM9200P200	GTM9110P240-FAMILY	GTM9110P240XX-FA-S(R)	GT-9ISL-0250-2	GT-9250 SERIES-250W	GTM9250 SERIES-250W	GT-9250 SERIES-270W	GTM9250 SERIES-270W
Output Voltage		Current (A) Maximum									
1.5	1	x	x	x				x	x	x	x
3.3	2	30.00	40.00	40.00				36.36	36.36	45.45	45.45
5.0	3	40.00	40.00	40.00				30.00	30.00	44.00	44.00
6.0	4	33.33	x	x				x	x	x	x
7.5	5	26.67	26.67	26.67				24.00	24.00	29.33	29.33
9.0	6	22.22	22.22	22.22				22.00	22.00	30.00	30.00
12.0	7	16.67	16.67	16.67				20.83	20.83	22.50	22.50
13.5	8	14.81	x	x				x	x	x	x
15.0	9	13.33	13.33	13.33				16.66	16.66	18.00	18.00
18.0	10	11.11	11.11	11.11				13.88	13.88	15.00	15.00
24.0		8.33	8.33	8.33				10.41	10.41	11.75	11.75
30.0		x	x	x				6.94	6.94	7.50	7.50
48.0		4.17	4.17	4.17				5.21	5.21	5.62	5.62
5/-5		x	x	x				x	x	x	x
+5/+12		x	x	x				x	x	x	x
+5/+15		x	x	x				x	x	x	x
+5/+24		x	x	x				x	x	x	x
+15/+8		x	x	x				x	x	x	x
+5/+12/-12		x	x	x				x	x	x	x
+5/+12/-5		x	x	x				x	x	x	x
+5/+24/-12		x	x	x				x	x	x	x
+5/+15/-5		x	x	x				x	x	x	x
+5/+15/-5/-15		x	x	x				x	x	x	x
+5/+12/-5/-12		x	x	x				x	x	x	x
+5/+12/+24/-12											
Input Configuration		External Wall Plug-In Models									
#=1: NEMA 1-15P		NA	NA	NA				NA	NA	NA	NA
#=2: NEMA 5-15P		NA	NA	NA				NA	NA	NA	NA
#=3: Euro		NA	NA	NA				NA	NA	NA	NA
#=5: UK		NA	NA	NA				NA	NA	NA	NA
#=7: Aust		NA	NA	NA				NA	NA	NA	NA
Input Configuration		External Desk Top Models									
#=C: IEC320/C14		NA	NA	NA				NA	NA	NA	NA
#=K: IEC320/C8		NA	NA	NA				NA	NA	NA	NA
#=L: IEC320/C6		NA	NA	NA				NA	NA	NA	NA
Internal Models (Open Frame, PCB, Enclosed)											
Open Frame/Enclosed	Enclosed	Open Frame	Open Frame					Enclosed	Enclosed	Enclosed	Enclosed
Mechanical											
Size mm(in)	L	256.40	198.40	198.40				232.00	232.00	208.03	208.03
(DT / WPI)	W	127.00	107.20	107.20				111.72	111.72	101.60	101.60
	H	63.50	46.50	46.50				43.20	43.20	78.00	78.00
Weight	grams	1247.00	1262.00	1279.00				1307.00	1321.00	1349.00	1364.00
	oz.	44.00	44.50	45.10				46.10	46.60	47.60	48.10
Agencies (Contact GlobTek for latest status)											



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

SWITCHMODE POWER SUPPLIES 350-500 WATT



Switchmode Power Supplies-Universal 90-264 Vac 47-63 Hz

		Open Frame				
Page Number		336	339	342	344	346
Safety		ITE	MED	ITE	ITE	MED
Watts@12V		350	350	400	500	500
Volts (Vdc) Note: 0.1V increments to max	Battery Charger No. of Cells*	GT-9200P350	GTM9200P350	GT-3T400P41F SERIES-400W	AGT-9500 SERIES-500W	GTM9500 SERIES-500W
Output Voltage	Current (A) Maximum					
1.5	1	x	x	x	x	x
3.3	2	70.00	70.00	40.00	60.00	60.00
5.0	3	70.00	70.00	34.00	80.00	80.00
6.0	4	x	x	x	53.30	53.30
7.5	5	46.67	46.67	x	40.00	40.00
9.0	6	38.89	38.89	x	55.60	55.60
12.0	7	29.17	29.17	18.00	41.70	41.70
13.5	8	x	x	x	37.00	37.00
15.0	9	23.33	23.33	x	33.30	33.30
18.0	10	19.44	19.44	x	27.80	27.80
24.0		14.58	14.58	x	20.80	20.80
30.0		9.72	9.72	x	13.80	13.80
48.0		7.29	7.29	x	10.40	10.40
5/-5		x	x	x	x	x
+5/+12		x	x	x	x	x
+5/+15		x	x	x	x	x
+5/+24		x	x	x	x	x
+15/+8		x	x	x	x	x
+5/+12/-12		x	x	x	x	x
+5/+12/-5		x	x	x	x	x
+5/+24/-12		x	x	x	x	x
+5/+15/-5		x	x	x	x	x
+5/+15/-5/-15		x	x	x	x	x
+5/+12/-5/-12		x	x	x	x	x
+5/+12/+24/-12						
Input Configuration	External Wall Plug-In Models					
#=1: NEMA 1-15P		NA	NA	NA	NA	NA
#=2: NEMA 5-15P		NA	NA	NA	NA	NA
#=3: Euro		NA	NA	NA	NA	NA
#=5: UK		NA	NA	NA	NA	NA
#=7: Aust		NA	NA	NA	NA	NA
Input Configuration	External Desk Top Models					
#=C: IEC320/C14		NA	NA	NA	NA	NA
#=K: IEC320/C8		NA	NA	NA	NA	NA
#=L: IEC320/C6		NA	NA	NA	NA	NA
Internal Models (Open Frame, PCB, Enclosed)						
Open Frame/Enclosed	Enclosed	Enclosed	Enclosed	Enclosed	Enclosed	Enclosed
Mechanical						
Size mm(in)	L	198.40	198.40	348.23	256.54	256.54
(DT / WPI)	W	107.20	107.20	116.84	127.00	127.00
	H	46.50	46.50	50.80	63.50	63.50
Weight	grams	1426.00	1477.00	2345.00		
	oz.	50.30	52.10	82.7		

Agencies (Contact GlobTek for latest status)



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Notes

Notes

Notes

Notes

Notes

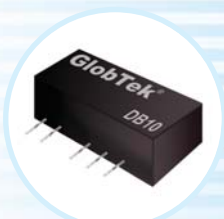
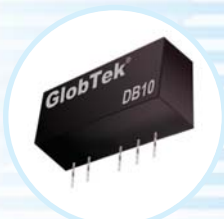


ISO 9001:2008
REGISTERED



DC Converter, Single and Dual Output

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

3.3 VDC + 10%, 5 VDC + 10%, 12 VDC + 10%,
24 VDC + 10%, 48 VDC + 10%

INPUT CURRENT:

< 0.07A AT 21.6 VDC INPUT

MODEL NUMBER DESCRIPTION:

DB10 = SERIES CODE
-1 = O/P VOLTAGE
X = I/P VOLTAGE
A=3.3 VDC, B=5.0VDC, C=9 VDC, D=12.0VDC,
G= 24.0VDC, H= 48 VDC
1= INTERNAL CODE

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, 10% MINIMUM LOAD
REQUIRED TO MAINTAIN SPECIFIED REGULATION

OUTPUT POWER (RATED):

1 WATT MAX

SWITCHING FREQUENCY

OUTPUT RIPPLE (PEAK TO PEAK):

20 MHZ BAND LIMITED
< 150MV @ IV = 3.3 VDC AND 48.0VDC
< 100MV @ IV = 5.0 VDC AND 24.0VDC

OUTPUT VOLTAGE ACCURACY:

< + 5%

OUTPUT REGULATION (LINE/LOAD):

+ 5 % FOR BOTH OUTPUTS, MEASURED AT O/P PINS

LINE REGULATION:

+ 1.2% / 1% OF VIN MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

4% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

EFFICIENCY:

75% TYPICAL (MODELS W / O/P ABOVE 5VDC±5VDC),
5 VDC AND ±5VDC MODELS 70%

SWITCHING FREQUENCY:

100 KHZ TYPICAL

ISOLATION RESISTANCE:

100 MOHM MIN @ 500 VDC

DIELECTRIC WITHSTAND VOLTAGE:

1000 VDC MIN. PRIMARY TO SECONDARY

OPERATING TEMPERATURE:

0°C TO 70° C

STORAGE TEMPERATURE:

0°C TO 70° C

HUMIDITY:

0 TO 90% RELATIVE HUMIDITY

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
DB10B1XH1	+5.0	200 MA	1
DB10C1XH1	+9.0	112 MA	1
DB10D1XH1	+12.0	84 MA	1
DB10E1XH1	+15.0	67 MA	1
DB10L1XH1	±5.0	100 MA	1
DB10Z1XH1	±9.0	56 MA	1
DB10M1XH1	±12.0	42 MA	1
DB10N1XH1	±15.0	34 MA	1

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

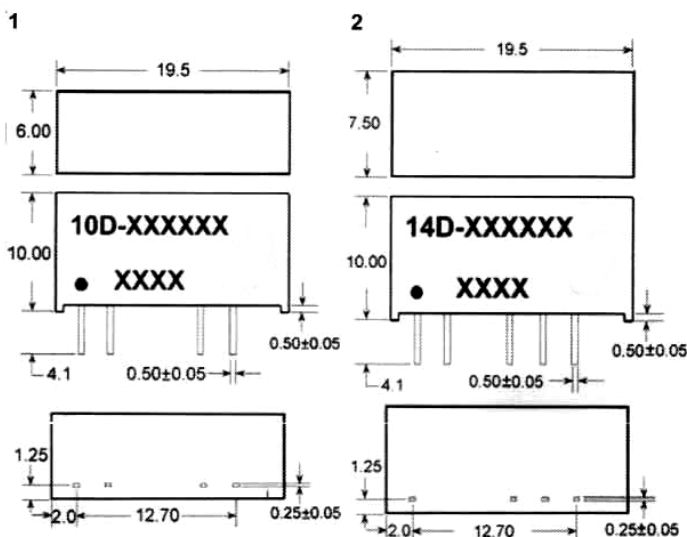
DC Converter, Single and Dual Output

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



MECHANICAL DIMENSIONS: MM

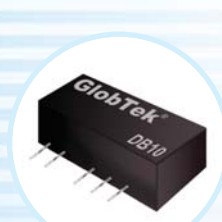
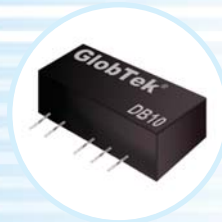
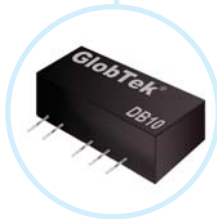
HOUSING: 7 PIN SIP PACKAGE, 94V-0 PLASTIC MATERIAL



PIN CONNECTION

PIN	SINGLE OUTPUT		DUAL OUTPUT
	3.3, 5, 12, 24 VDC	48 VDC	
1	+ INPUT	+ INPUT	+ INPUT
2	- INPUT	- INPUT	- INPUT
4	N/C	-OUTPUT	- OUTPUT
5	- OUTPUT	N/C	COMMON
6	+ OUTPUT	+ OUTPUT	+ OUTPUT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



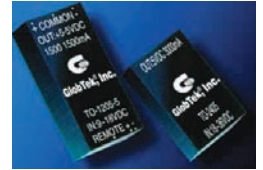


ISO 9001:2008
REGISTERED



High Voltage DC/DC Converter

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



 INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT

OPERATING VOLTAGE
OPERATING VOLTAGE LIMIT

CURRENT CONSUMPTION:

INPUT CURRENT

(Idle state, V_{Control} = 0V DC)

INPUT CURRENT

(Idle state, V_{output} = 1200Vdc, Load = 0mA)

INPUT CURRENT

(Full load-1mA, V_{output} = 1200Vdc)

EFFECTIVE TEMPERATURE:

FULL LOAD, 1200V, 1mA

POWER CONSUMPTION:

INHIBIT

IDLE CONDITION(1200V, 0mA)

FULL LOAD (1200V, 1mA)

CONTROL VOLTAGE:

VOLTAGE RANGE

INPUT RESISTANCE

THRESHOLD

VOLTAGE TRANSMISSION FUNCTION

OFFSET VOLTAGE

VOLTAGE MONITOR:

HIGH VOLTAGE TEST

VOLTAGE RANGE

VOLTAGE TRANSMISSION FUNCTION

OFFSET VOLTAGE

OUTPUT RESISTANCE

OUTPUT VOLTAGE: + HIGH VOLTAGE

OUTPUT VOLTAGE LINEAR REGULATION

OUTPUT VOLTAGE (UNDER LIMIT USE)

OUTPUT VOLTAGE (STOP/CLOSED)

MINIMUM OUTPUT CURRENT (UNDER LIMIT USE)

MAXIMUM OUTPUT CURRENT (UNDER LIMIT USE)

SHORT CIRCUIT CURRENT

SHORT CIRCUIT CURRENT PULSE (WORST CASE)

CONTINUOUS SHORT CIRCUIT

INTERNAL LOAD

OUTPUT POWER

HINDRANCE VOLTAGE (FULL LOAD):

SURPLUS RIPPLE

NOISE

ACCURACY/STABILITY:

OUTPUT CURRENT

OPERATING VOLTAGE/FULL LOAD

TEMPERATURE

TEST TIME (0.1%)

STORAGE ENERGY

STORAGE LOAD

POSSIBLE PARALLEL RESISTANCE

RECOVERY TIME FROM 1250V to 40V

INHIBIT ON/OFF

INPUT VOLTAGE

OPEN

CLOSE

LIMIT

INPUT RESISTANCE

OPERATING TEMPERATURE:

WORKING AMBIENT TEMPERATURE

STORAGE TEMPERATURE

SAFETY APPROVALS:

cURus (PENDING)

MODEL: GT-91098-0124

LIMIT

23.0Vdc to 26.0Vdc (24V typical)

-0.5Vdc to +26Vdc

<20mA

<80mA

<200mA

0.54(Minimum), 0.57 (typical) W/W

1.0W Maximum

1.2W Maximum

2.5W Maximum

+0.04 to +5.0Vdc

99 to 101KOhm (100+/-0.2 typical)

-5.0 to +30Vdc

-248 to -252V/V (-250 +/-0.25 typical)

-5.0 to +5.0mV(0+/-2 typical)

0 to +5.0Vdc

-4.04 to -3.96mV/V(-4.000 typical +/-0.004)

-5 to +5mV

9.9 to 10.1KOhm (10+/-0.02 typical)

-100 to -1250Vdc

-1250 to -1275Vdc (-1265 typical)

0.00Vdc

0mA

1.01 to 1.03mADC (1.02mA typical)

1.03Adc Maximum

<=2.0Amp Maximum

INFINITE

4.2 to 5.2nF

1.3W Maximum

4mVss Maximum (3mVss typical)

3mVeff Maximum (1mV typical)

50mV/mADC

30mV/V Maximum (10mV/V typical)

50ppm/ deg C Maximum

800mSec Maximum

4mJ Maximum

6.5uC Maximum

50MOhm

1 Sec Maximum

0 to 0.4Vdc

1.6 to 0Vdc

-5 to +15Vdc

30KOhm typical

0 to 50 deg C.

-20 to +85 deg C.

MODEL: GT-91098-0112

LIMIT

11.5Vdc to 12.5Vdc (12V typical)

0.5Vdc to +13Vdc

<20mA

<40mA

<185mA

0.54(Minimum), 0.57 (typical) W/W

0.2W Maximum

0.4W Maximum

2.2W Maximum

+0.04 to +5.0Vdc

99 to 101KOhm

-5.0 to +30Vdc

-248 to -252V/V (-250 +/-0.25 typical)

0 to +5.0Vdc

-4.04 to - typical +/-0.004)

-5 to +5mV

9.9 to 10.1KOhm (10+/-0.02 typical)

-100 to -1250Vdc

-1250 to -1275Vdc (-1265 typical)

0.00Vdc

0mA

1.01 to 1.03mADC (1.02mA typical)

1.03Adc Maximum

<=2.0Amp Maximum

INFINITE

4.2 to 5.2nF

1.3W Maximum

4mVss Maximum (3mVss typical)

3mVeff Maximum (1mV typical)

50mV/mADC

30mV/V Maximum (10mV/V typical)

50ppm/ deg C Maximum

800mSec Maximum

4mJ Maximum

6.5uC Maximum

50MOhm

1 Sec Maximum

0 to 0.4Vdc

1.6 to 0Vdc

-5 to +15Vdc

30KOhm typical

0 to 50 deg C.

-20 to +85 deg C.



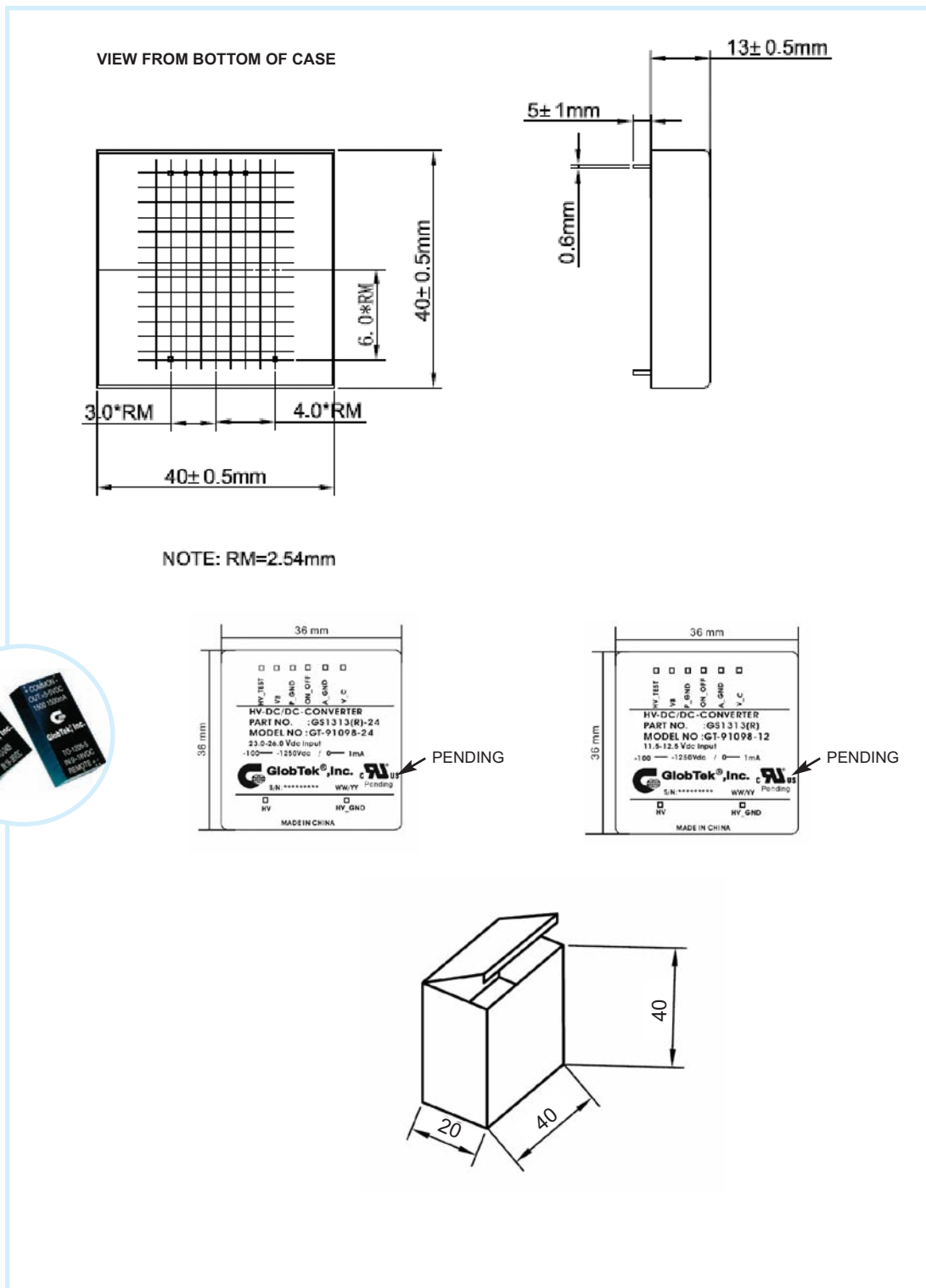
ISO 9001:2008 REGISTERED

High Voltage DC/DC Converter

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURES



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

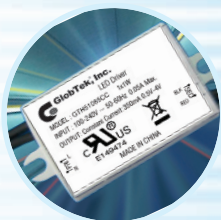
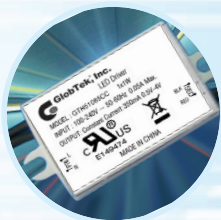
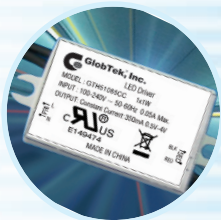
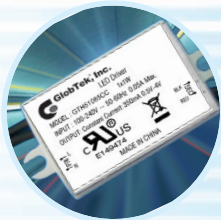


ISO 9001:2008
REGISTERED



LED Driver/Switching Power Supply, 1.4-3.7 Watt, Single Output, Constant Current, Wall Mount, Universal Input, UL 1310/EN 61347, Energy Star, CEC, EISA

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90 VAC TO 264 VAC
- INPUT CURRENT:**
<0.1 A RMS AT 115 VAC INPUT
- INPUT FREQUENCY:**
47 HZ - 63 HZ
- OUTPUT CURRENT:**
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
1.4-3.7 WATTS MAX
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% TYPICAL
- OUTPUT REGULATION (LINE/LOAD):**
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+2 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERTHOOT:**
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
2 SEC MAX
- HOLD-UP TIME:**
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
3 A MAX AT COLD START FOR N.A. (40A FOR EURO)
- EFFICIENCY:**
60% MINIMUM @ 110-240V, 3X LED LOAD
- SWITCHING FREQUENCY:**
100 KHZ TYPICAL
- OVER-VOLTAGE PROTECTION:**
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
- OVER-CURRENT / SHORT CIRCUIT:**
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO
- OTHER PROTECTION:**
INPUT FUSING
- SAFETY APPROVALS (PENDING):**
ITE MODEL: UL60950-1, CUL TO 22.2# 60950-1, INNOVA GS UL 1310, cUL TO CSA C22.2 NO. 223, CE+, SIQ TO EN 61347, CE CLASS I & II, PSE TO J60950, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2003, C-TICK TO AS/NZ 60950-1

- DIELECTRIC WITHSTAND VOLTAGE:**
2121VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY-GROUND
- LEAKAGE CURRENT:**
≤3.5 mA
- LINE SURGE:**
EN 61000-4-5 LEVEL 4
- EMI:**
COMPLIES WITH EN55022 , CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED
- C-TICK:**
TESTED TO COMPLY W/RADIO TELECOMMUNICATION ACT OF 1992.
- EFFICIENCY:**
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)
- CE MARK:**
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.
- MTBF:**
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE, OPERATING
- TEMPERATURE:**
0°C TO 40° C
- INGRESS PROTECTION:**
IP44
- STORAGE TEMPERATURE:**
-20°C TO 60° C
- HUMIDITY:**
5% TO 95% RELATIVE HUMIDITY
- WEIGHT:**
250 g

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	CONSTANT OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
GTH51085CC-1404	+0.5 - 4	0 - 350*	0 - 1.4
GTH51085CC-3711	+0.5 - 10.5	0 - 350*	0 - 3.7
GTH51085CC-2804	+0.5 - 4	0 - 700*	0 - 2.8

*OUTPUT CURRENT MAY BE FACTORY SET BETWEEN 50-MAXIMUM LISTED O/P CURRENT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



LED Driver/Switching Power Supply, 1.4-3.7 Watt, Single Output, Constant Current, Wall Mount, Universal Input, UL 1310/EN 61347, Energy Star, CEC, EISA

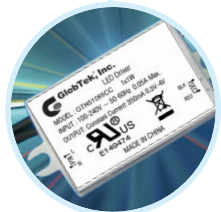
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



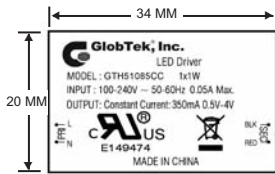
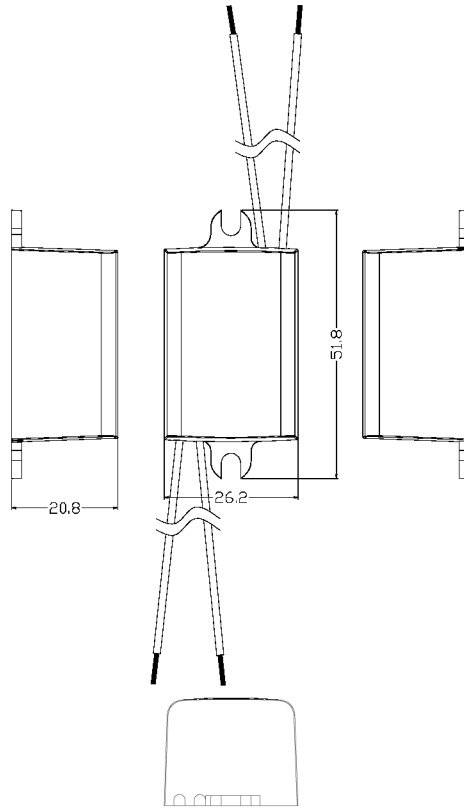
ENCLOSURE

CONFIGURATION:

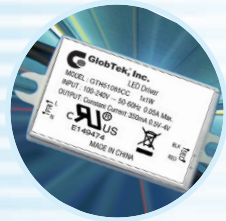
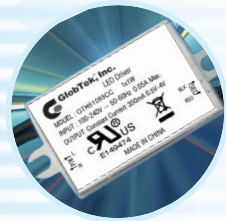
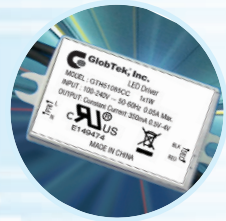
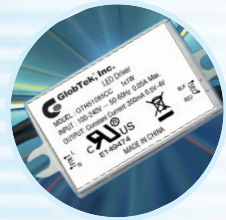
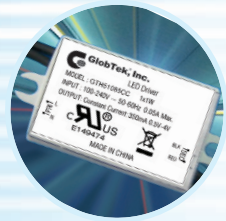
HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR WHITE
SIZE: 51.8(L) x 26.2(W) x 20.8(H) + 1 mm



INPUT WIRES:
UL 1617 WIRE,
2 CONDUCTORS,
105°C, #24, WIRES,
STRIPPED & TINNED
INPUT:
BROWN = LINE,
BLUE = NEUTRAL
OUTPUT:
RED = +V
BLACK = -V
LENGTH WITH
WIRES = 270 MM



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED

GT-41078-XXXX-USB



**5 Watts, Wall Plug-In Switching Power Supply,
N.A., EURO. UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264 VAC

INPUT CURRENT:
0.2 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
5.0 VDC

OUTPUT CURRENT:
1.0 A, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RATING:
MODEL: GT-41078-0505-USB +5.0 V DC @ 1.0 A
GT-41078-0506-USB +6.0 V DC @ 0.83 A

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 50 MV WHICHEVER IS GREATER. MEASURED AT 20 MHZ BANDWIDTH WITH 0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 10 MF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

OUTPUT LOAD REGULATION:
+ 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE

LINE REGULATION:
+ 1 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR

TURN ON/ TURN OFF OVERSHOOT:
± 5% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 MSEC MAX

HOLD-UP TIME:
8 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 115 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
UL60950-1, CUL TO 22.2# 60950-1, SIQ TO EN60950-1 (PENDING), CCC TO GB4943-2001, GB9254-1998, GB17625.1-2003 (PENDING), CE CLASS II, PSE TO J60950 (PENDING), CB REPORT(PENDING), AS/NZS 60950.1:2011

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
0.25 MA

EMI:
COMPLIES WITH EN55011 CLASS B AND WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3, EN60601-1-2 2001, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE) 5.0 ~ 6.9V WITH 1000 MM CABLE ONLY

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-10°C TO 70° C

HUMIDITY:
10% TO 90% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41078-XXXX	+5.0	0 - 1.0	0 - 5

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



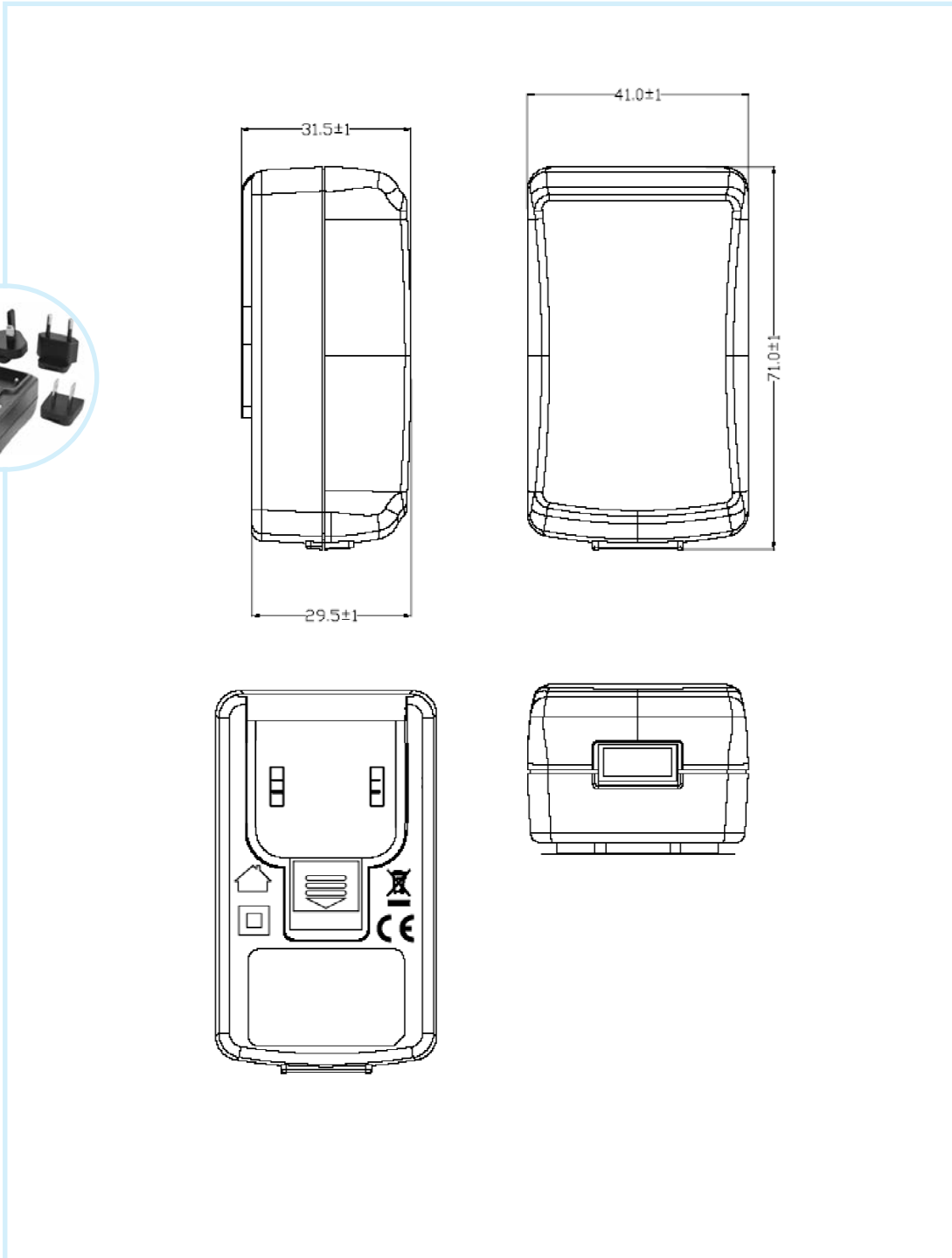
**5 Watts, Wall Plug-In Switching Power Supply,
N.A., EURO. UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK





ISO 9001:2008
REGISTERED

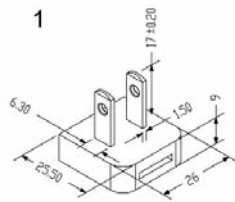


**5 Watts, Wall Plug-In Switching Power Supply,
N.A., EURO. UK, SAA Universal Input, ITE, Class II, Level V**

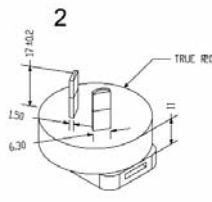
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



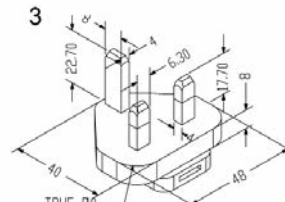
INPUT CONNECTORS OPTIONS Pins or Kits must be ordered separately		Input connector Kit options			
		Q-Kit	Q-Kit-INTL	Q-Kit-6	Q-Kit-7
1	CLASS II MODEL NEMA 1-15P AC POWER PLUG WITH 2 PRONGS, Q-NA(R)	X		X	X
2	AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II, Q-SAA(R)	X	X	X	X
3	UK CONFIGURATION: UK 2 PINS CLASS II, Q-UK(R)	X	X	X	X
4	EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II, Q-EU(R)	X	X	X	X
5	KOREAN CONFIGURATION: Q-KR(R)			X	X
6	ARGENTINA CONFIGURATION: Q-AR(R)			X	X
7	CHINA CONFIGURATION: Q-CN(R)				X



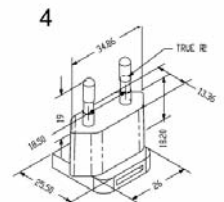
P/N: Q-NA (R)
NORTH AMERICA
JAPAN



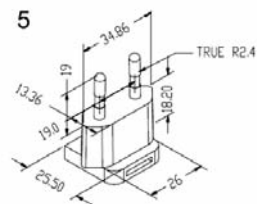
P/N: Q-SAA(R)
AUSTRALIA



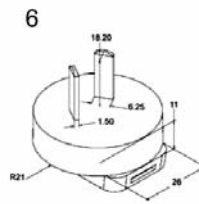
P/N: Q-UK(R)
UNITED KINGDOM
HONG KONG
SINGAPORE



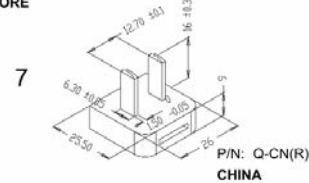
P/N: Q-EU(R)
EUROPE
SOUTH AMERICA



P/N: Q-KR(R)
KOREA



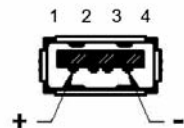
P/N: Q-AR(R)
ARGENTINA



P/N: Q-CN(R)
CHINA

5. OUTPUT CONNECTOR:

STANDARD USB "JACK", TYPE 'A' CONNECTOR, INTEGRAL TO POWER SUPPLY ENCLOSURE



PIN 1: +5V
PIN 2: N/C
PIN 3: N/C
PIN 4: COMMON

5 Watts, Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



UNIVERSAL SERIAL BUS



ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE:**
100-240 VAC
- INPUT CURRENT:**
< 0.3 A RMS MAX
- INPUT FREQUENCY:**
50 - 60 HZ
- OUTPUT CURRENT:**
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
6 WATTS MAX
- OUTPUT RIPPLE (PEAK TO PEAK):**
100 mV OR 1% OF OUTPUT VOLTAGE, WHICHEVER IS HIGHER
- OUTPUT REGULATION (LINE/LOAD):**
5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+1% MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERSHOOT:**
5% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
3000 mSEC MAX
- HOLD-UP TIME:**
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC
- SWITCHING FREQUENCY:**
66.5 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
VOLTAGE LIMITED LESS 150% OF NOMINAL VOLTAGE
- OVER-CURRENT / SHORT CIRCUIT:**
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO
- OTHER PROTECTION:**
INPUT FUSING

SAFETY APPROVALS (PENDING):

UL60950-1, CUL TO 22.2# 60950-1, SIQ TO EN60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2003, CE CLASS II, PSE TO J60950, CB REPORT

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:

< 3.5 mA @ 240VAC

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

EFFICIENCY:

COMPLIES WITH ENERGY STAR (NORTH AMERICA), CECP (CHINA), MEPS (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-24VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)	COUNTRY
GT-81082-0506.5-USB-W2A	WR97A1000USB-F(R)	+5.0	0 - 1.0	0 - 5.0	Australia/NZ
GT-81082-0506.5-USB-W2E	WR93A1000USB-F(R)	+5.0	0 - 1.0	0 - 5.0	Europe
GT-81082-0506.5-USB-W2K	WR9U7A1000USB-F(R)	+5.0	0 - 1.0	0 - 5.0	Korea
GT-81082-0506.5-USB-W2	WR92A1000USB-F(R)	+5.0	0 - 1.0	0 - 5.0	North America/Japan/China
GT-81082-0506.5-USB-W2U	WR94A1000USB-F(R)	+5.0	0 - 1.0	0 - 5.0	UK

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-81082-USB SERIES-5W



**5 Watts, Wall Plug-In, Switchmode Power Supply, N.A.,
European, U.K., SAA Universal Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



**MTBF=200K
Hours!**



UNIVERSAL SERIAL BUS

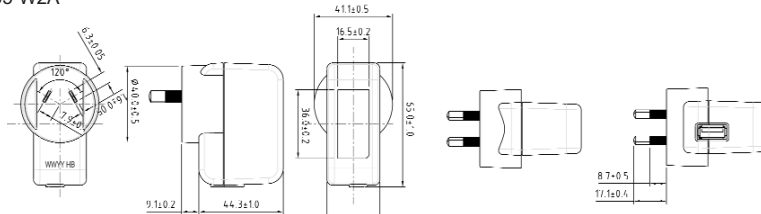


ENCLOSURES

UPPER & LOWER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK

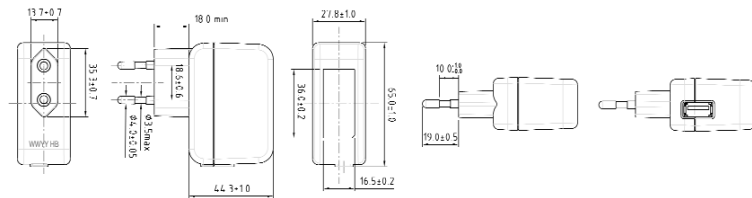
GT-81082-0505-W2A

Australia/NZ



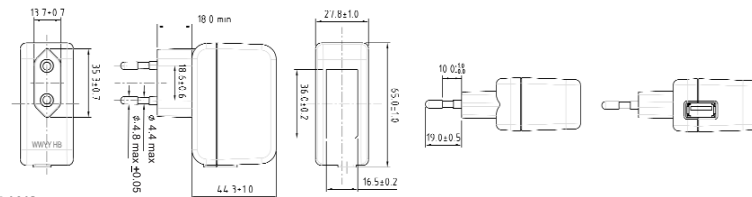
GT-81082-0505-W2E

Europe



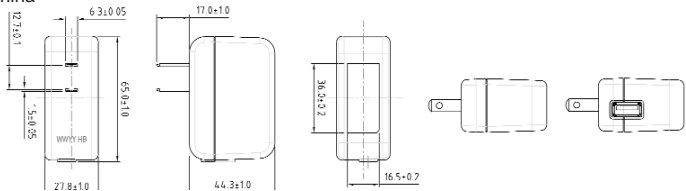
GT-81082-0505-W2K

Korea



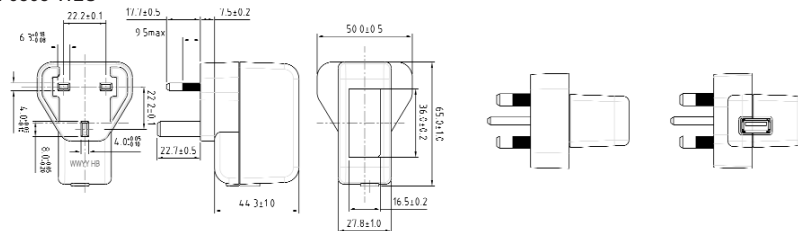
GT-81082-0505-W2

North America/Japan/China



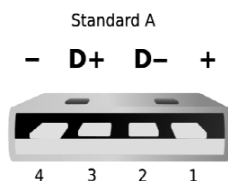
GT-81082-0505-W2U

UK



OUTPUT CONFIGURATION:

USB, TYPE A,
PIN 1 = +V
PIN 4 = COM



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

**0-5 Watts, Wall Plug-In, N.A., European, U.K., Australian Input,
Single Output Family, ITE Power Adapter, Class II**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)**ELECTRICAL SPECIFICATIONS****INPUT VOLTAGE:**

U= 90-264 VAC; N= 90-130 VAC; E = 180-264VAC

INPUT CURRENT:

< 0.2 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 - 63 HZ

OUTPUT CURRENT:

NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

5 WATTS MAX SWITCHING FREQUENCY

OUTPUT RIPPLE (PEAK TO PEAK):

3V-5V MODELS 2% TYPICAL

6V-13V MODELS 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 2.0 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:

4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

2000 mSEC MAX

HOLD-UP TIME:

5 m SEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

20 A MAX AT COLD START N.A.

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:UL60950, CUL TO 22.2# 950, TUV TO EN60950, PSE TO J60950
CE CLASS I & II**DIELECTRIC WITHSTAND VOLTAGE:**

4242VDC (3000VAC) PRIMARY-SECONDARY

LEAKAGE CURRENT:

≤ 0.25 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:COMPLIES WITH EN55022 CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED.**CE MARK:**TESTED TO COMPLY WITH EN61000-3-2
EN61000-3-3 AND EN50082-1, INCLUDING
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5,
EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS
ELIGIBLE FOR CE MARK.**MTBF:**GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE.**OPERATING TEMPERATURE:**

0° C TO 40° C

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-A81051-05(XX)(-Y.Y)W2(-,E, A, U)

WHERE: A81051-05: SERIES CODE

XX = DENOTES RATED VOLTAGE

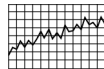
(-Y.Y) = DENOTES VOLT AGE DIFFERENTIATOR

(U,N,E) = INPUT VOLTAGE RANGE

(U=90-264V, N= 90-130V, E= 180-264V)

NOTE: U & N = UL,CUL,CE MARKED ; U & E = CE, TUV
MARKED (-,E,A,U) = BLADE CONFIGURATION; "-"- US BLADE,
"E"-EUROPEAN BLADE, "A"-AUSTRALIAN BLADE, "U"-UK
BLADES**CONSTANT CURRENT CURRENT LIMIT: OPTIONAL;
FOR BATTERY CHARGER APPLICATIONS****NOTES:**

1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. OUTPUTS MAY VARY FROM 3VDC-13VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

SEE APPENDIX "A" FOR ELECTRICAL
PERFORMANCE CURVES**OUTPUT VOLTAGE / CURRENT:****NORTH AMERICAN BLADE CONFIGURATION**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
GT-A81051-0503 (-Y.Y) (U,N,E) W2 (-,E,A,U)	3.0	0-1000	0 - 3
GT-A81051-0505-1.0 (U,N,E) W2 (-,E,A,U)	4.0	0-1000	0 - 4
GT-A81051-0505 (-Y.Y) (U,N,E) W2 (-,E,A,U)	5.0	0-1000	0 - 5
GT-A81051-0507-1.0 (U,N,E) W2 (-,E,A,U)	6.0	0-833	0 - 5
GT-A81051-0507 (-Y.Y) (U,N,E) W2 (-,E,A,U)	7.0	0-714	0 - 5
GT-A81051-0513-5.0 (U,N,E) W2 (-,E,A,U)	8.0	0-625	0 - 5
GT-A81051-0513-4.0 (U,N,E) W2 (-,E,A,U)	9.0	0-555	0 - 5
GT-A81051-0513-3.0 (U,N,E) W2 (-,E,A,U)	10.0	0-500	0 - 5
GT-A81051-0513-2.0 (U,N,E) W2 (-,E,A,U)	11.0	0-454	0 - 5
GT-A81051-0513-1.0 (U,N,E) W2 (-,E,A,U)	12.0	0-416	0 - 5
GT-A81051-0513X (U,N,E) W2 (-,E,A,U)	13.0	0-385	0 - 5

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-A81051 SERIES-5W



0-5 Watts, Wall Plug-In, N.A., European, U.K., Australian Input, Single Output Family, ITE Power Adapter, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

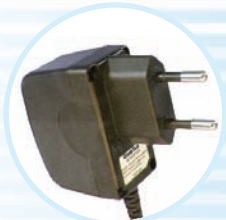


INDOOR USE ONLY



ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.



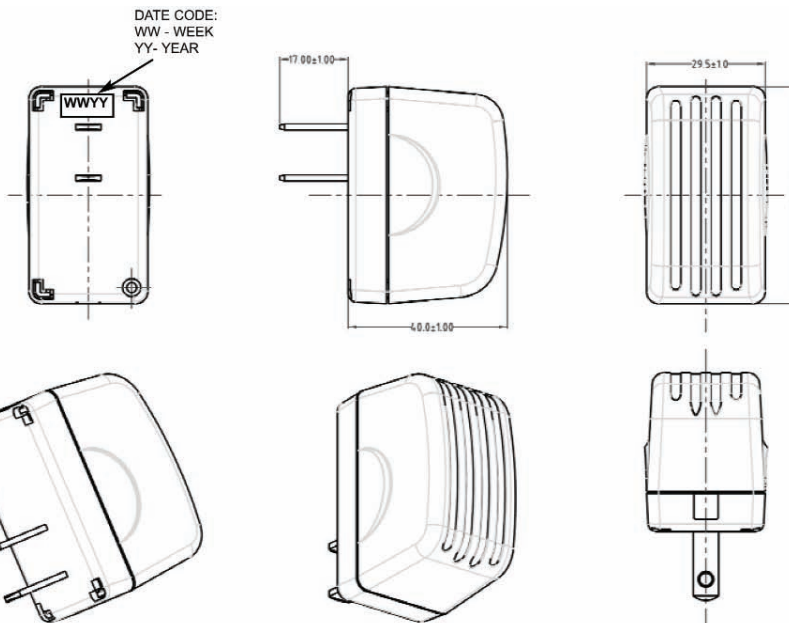
NORTH AMERICA (W2)

SIZE:

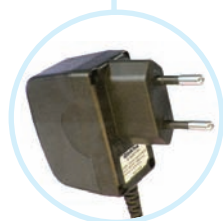
54.0 x 29.5 x 40.0 ± 1 mm

INPUT CONNECTOR:

CONFIGURATION:
NEMA 1-15/JIS 8303
CLASS II
WITH 2 BLADES



STANDARD MODEL



EUROPEAN (W2E)

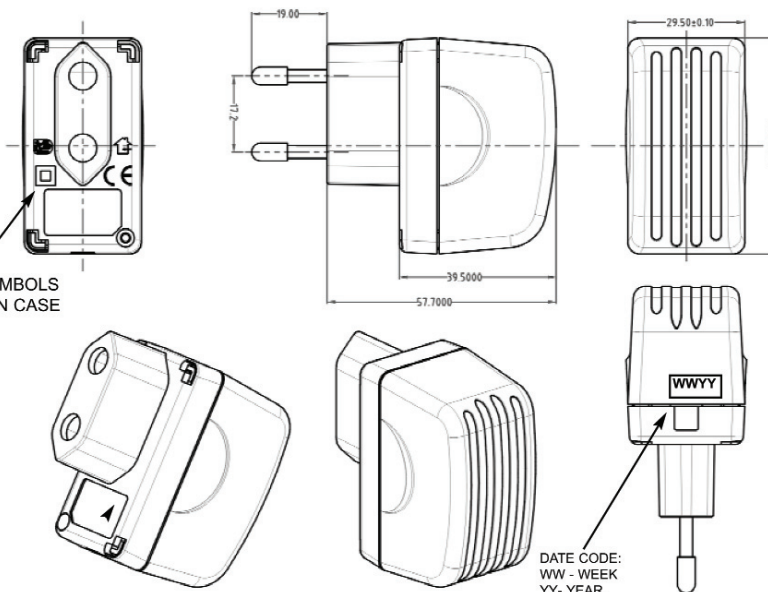
SIZE:

54.0 x 29.0 x 39.5 ± 1 mm

INPUT CONNECTOR:

CONFIGURATION:
EURO PLUG CEE7/16,
CLASS II

SAFETY SYMBOLS
MOLDED ON CASE



STANDARD MODEL

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.




0-5 Watts, Wall Plug-In, N.A., European, U.K., Australian Input, Single Output Family, ITE Power Adapter, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURES

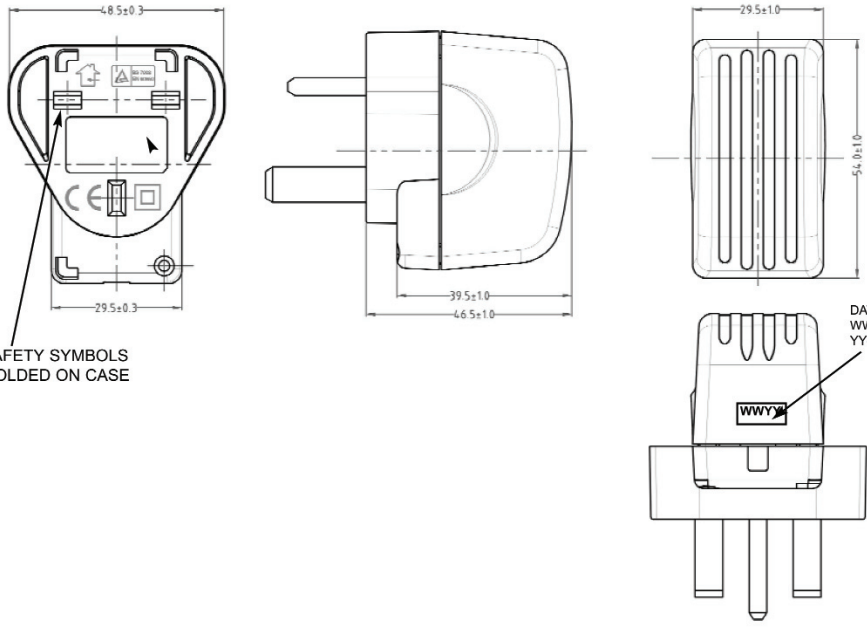
HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.



UK (W2U)


SIZE:
54.0 x 29.0 x 39.5 + 1 mm

INPUT CONNECTOR:
CONFIGURATION:
BS 1363 / 3 PRONGS
(GROUND PRONG FLOATING, USED FOR MECHANICAL RIGIDITY)



SAFETY SYMBOLS MOLDED ON CASE

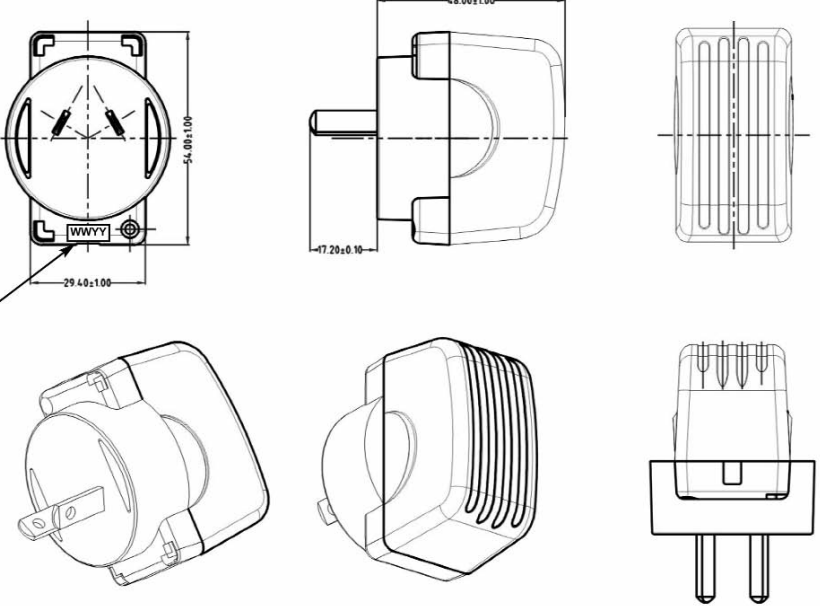
DATE CODE: WW - WEEK YY - YEAR



AUSTRALIAN (W2A)

SIZE:
54.0 x 29.4 x 48.0 + 1 mm

INPUT CONNECTOR:
CONFIGURATION:
AS/NZ 3112, 2 BLADES



DATE CODE: WW - WEEK YY - YEAR

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to13 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 9
0 VAC TO 264 VAC

INPUT CURRENT:
< 0.2A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
SEE OUTPUT RATING ABOVE, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 100 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
< 2 SEC

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR AND EISA, EFFICIENCY LEVEL IV (NORTH AMERICA)

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS(PENDING) :
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY - GROUND

LEAKAGE CURRENT:

< 0.25 mA AT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:

COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

20°C TO 85° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY, OPERATING

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V UP TO 13V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81083-0513-1.0-W2).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81083-0404-X.X-W2	+3.0 to 4.0	0 - 1.00	4.0
GT-81083-0506-X.X-W2	+4.1 to 6.0	0 - 1.00	5.0
GT-81083-0509-X.X-W2	+6.1 to 9.0	0 - 0.82	5.0
GT-81083-0513-X.X-W2	+9.1 to 13.0	0 - 0.55	5.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 66 x 41 x 25 + 1mm



INPUT CONNECTOR:

N.A. CONFIGURATION:

CLASS II MODEL NEMA 1-15P
AC POWER PLUG
WITH 2 PRONGS

OUTPUT CORD:

OUTPUT CABLE TYPES:

UL2464, 1185, SPT-1, SPT-2, 2095, TELEPHONE WIRE, MINIMUM 1 CONDUCTOR + SHIELD OR 2 CONDUCTORS, #24 GAUGE OR HIGHER.

LENGTH OF CORD:

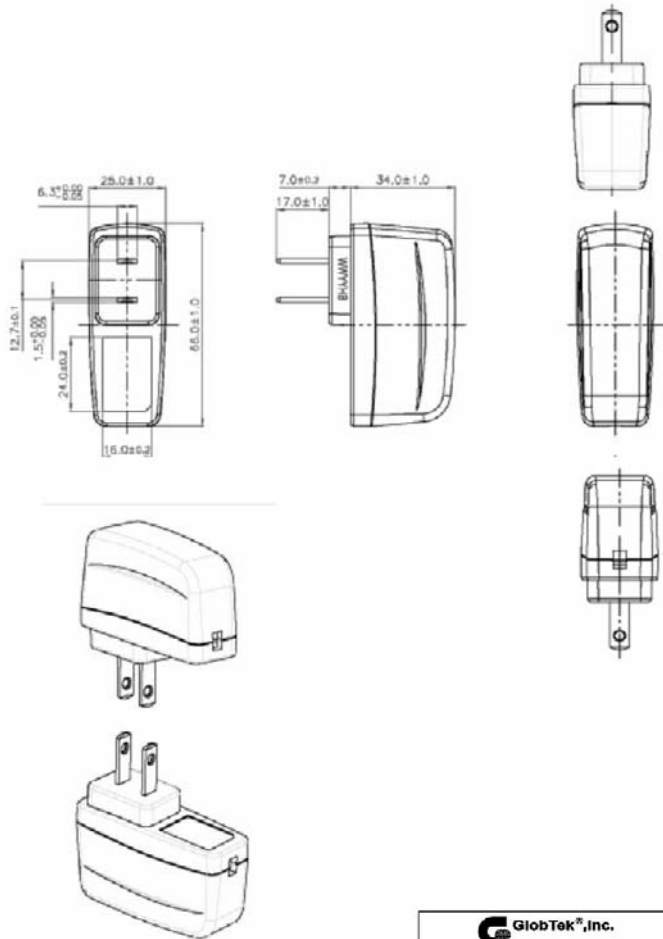
1500 ± 50 mm OR AS SPECIFIED BY CUSTOMER. CORD IS MEASURED FROM THE HOUSING TO THE END TO THE OVERMOLD OF THE CONNECTOR.

CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE BARREL

5.5 x 2.5 x 11 mm,
CENTER POSITIVE



GlobTek[®], Inc.
PART NO: []
MODEL: GT-81083-[]
INPUT: 100-240V ~ 50/60Hz 0.2A
OUTPUT: [] [] []
LEVEL 3
CE
I.T.E. L.P.S
6D44
E170507
UL US LISTED
EFFICIENCY LEVEL: III
MADE IN XXXX
XXXX - USA OR CHINA
PENDING





ISO 9001:2008
REGISTERED



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: Euro., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 9
0 VAC TO 264 VAC

INPUT CURRENT:
< 0.2A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
SEE OUTPUT RATING ABOVE, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 100 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
< 2 SEC

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR AND EISA, EFFICIENCY LEVEL IV (NORTH AMERICA)

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS(PENDING) :
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY - GROUND

LEAKAGE CURRENT:
< 0.25 mA AT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
20°C TO 85° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY, OPERATING

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V UP TO 13V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81083-0513-1.0-W2E).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81083-0404-X.X-W2E	+3.0 to 4.0	0 - 1.00	4.0
GT-81083-0506-X.X-W2E	+4.1 to 6.0	0 - 1.00	5.0
GT-81083-0509-X.X-W2E	+6.1 to 9.0	0 - 0.82	5.0
GT-81083-0513-X.X-W2E	+9.1 to 13.0	0 - 0.55	5.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.




5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13VDC Switching Power Supply: Euro., Universal Input, ITE, Class II, Energy Star

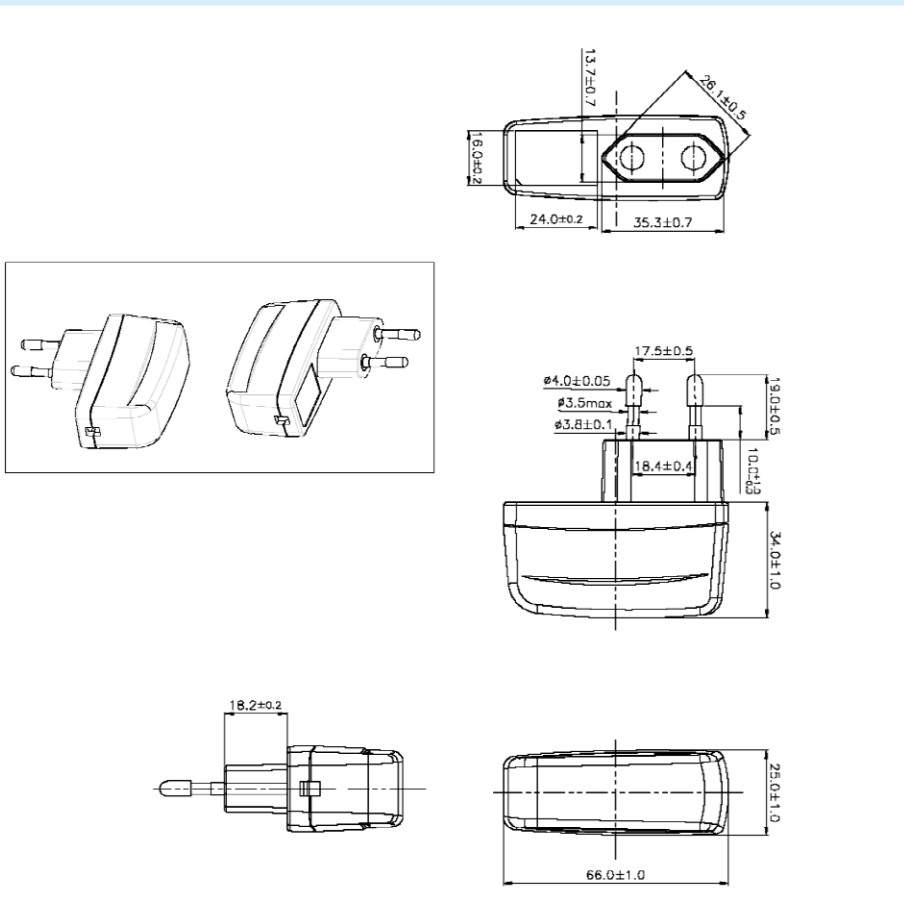
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 66 x 34 x 25 + 1mm



INPUT CONNECTOR:
N.A. CONFIGURATION:
CLASS II MODEL NEMA 1-15P
AC POWER PLUG
WITH 2 PRONGS
OUTPUT CORD:
OUTPUT CABLE TYPES:
UL2464, 1185, SPT-1, SPT-2,
2095, TELEPHONE WIRE,
MINIMUM 1 CONDUCTOR +
SHIELD OR 2 CONDUCTORS,
#24 GAUGE OR HIGHER.
LENGTH OF CORD:
1500 ± 50 mm OR AS
SPECIFIED BY CUSTOMER.
CORD IS MEASURED FROM
THE HOUSING TO THE END
TO THE OVERMOLD OF
THE CONNECTOR.
CABLE IS TO BE MARKED WITH
WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
OUTPUT CONNECTOR:
STANDARD, STRAIGHT FEMALE
BARREL
5.5 x 2.5 x 11 mm,
CENTER POSITIVE



Technical drawings showing dimensions: 1.6±0.2, 13.7±0.7, 28.1±0.5, 24.0±0.2, 35.3±0.7, 17.5±0.5, 19.0±0.5, 10.0±0.2, 18.4±0.4, 34.0±1.0, 18.2±0.2, 25.0±1.0, 66.0±1.0.

GlobTek®, Inc.

PART NO:

MODEL: GT-81083--AUS--W2

INPUT: 100-120V ~ 50/60Hz 0.2A

OUTPUT: ---

LEVEL 3

CE, I.T.E. L.P.S. 6D44 E170507, UL LISTED, EFFICIENCY LEVEL: 115V, MADE IN XXXX

XXXX - USA OR CHINA





ISO 9001:2008
REGISTERED



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13 VDC Switching Power Supply: UK, Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 9
0 VAC TO 264 VAC

INPUT CURRENT:
< 0.2A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
SEE OUTPUT RATING ABOVE, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 100 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
< 2 SEC

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR AND EISA, EFFICIENCY LEVEL IV (NORTH AMERICA)

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS(PENDING) :
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY - GROUND

LEAKAGE CURRENT:

< 0.25 mA AT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:

COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

20°C TO 85° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY, OPERATING

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V UP TO 13V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81083-0513-1.0-W2U).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81083-0404-X.X-W2U	+3.0 to 4.0	0 - 1.00	4.0
GT-81083-0506-X.X-W2U	+4.1 to 6.0	0 - 1.00	5.0
GT-81083-0509-X.X-W2U	+6.1 to 9.0	0 - 0.82	5.0
GT-81083-0513-X.X-W2U	+9.1 to 13.0	0 - 0.55	5.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13VDC Switching Power Supply: UK, Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 66 x 34 x 25 + 1mm

INPUT CONNECTOR:
N.A. CONFIGURATION:
CLASS II MODEL NEMA 1-15P
AC POWER PLUG
WITH 2 PRONGS
OUTPUT CORD:
OUTPUT CABLE TYPES:
UL2464, 1185, SPT-1, SPT-2,
2095, TELEPHONE WIRE,
MINIMUM 1 CONDUCTOR +
SHIELD OR 2 CONDUCTORS,
#24 GAUGE OR HIGHER.
LENGTH OF CORD:
1500 ± 50 mm OR AS
SPECIFIED BY CUSTOMER.
CORD IS MEASURED FROM
THE HOUSING TO THE END
TO THE OVERMOLD OF
THE CONNECTOR.
CABLE IS TO BE MARKED WITH
WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
OUTPUT CONNECTOR:
STANDARD, STRAIGHT FEMALE
BARREL
5.5 x 2.5 x 11 mm,
CENTER POSITIVE

GlobTek, Inc.
Switching Adapter

MODEL:

INPUT: 100-240V ~ 50/60Hz 0.2A

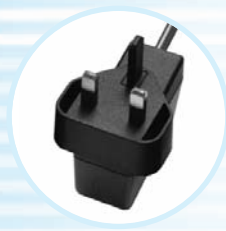
OUTPUT: ---

EFFICIENCY LEVEL IV 115V

MADE IN XXXX

PENDING

XXXX - USA OR CHINA





ISO 9001:2008
REGISTERED



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to13 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 9
0 VAC TO 264 VAC

INPUT CURRENT:
< 0.2A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
SEE OUTPUT RATING ABOVE, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 100 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
< 2 SEC

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR AND EISA, EFFICIENCY LEVEL IV (NORTH AMERICA)

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS(PENDING) :
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY - GROUND

LEAKAGE CURRENT:
< 0.25 mA AT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
20°C TO 85° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY, OPERATING

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V UP TO 13V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81083-0513-AUS-1.0-W2).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81083-0404-AUS-X.X-W2	+3.0 to 4.0	0 - 1.00	4.0
GT-81083-0506-AUS--X.X-W2	+4.1 to 6.0	0 - 1.00	5.0
GT-81083-0509-AUS-X.X-W2	+6.1 to 9.0	0 - 0.82	5.0
GT-81083-0513-AUS-X.X-W2	+9.1 to 13.0	0 - 0.55	5.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 66 x 41 x 25 + 1mm



INPUT CONNECTOR:

N.A. CONFIGURATION:

CLASS II MODEL NEMA 1-15P
AC POWER PLUG
WITH 2 PRONGS

OUTPUT CORD:

OUTPUT CABLE TYPES:

UL2464, 1185, SPT-1, SPT-2,
2095, TELEPHONE WIRE,
MINIMUM 1 CONDUCTOR +
SHIELD OR 2 CONDUCTORS,
#24 GAUGE OR HIGHER.

LENGTH OF CORD:

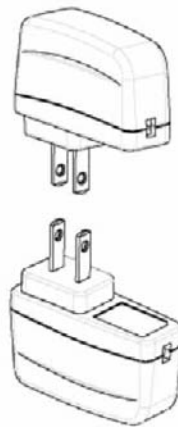
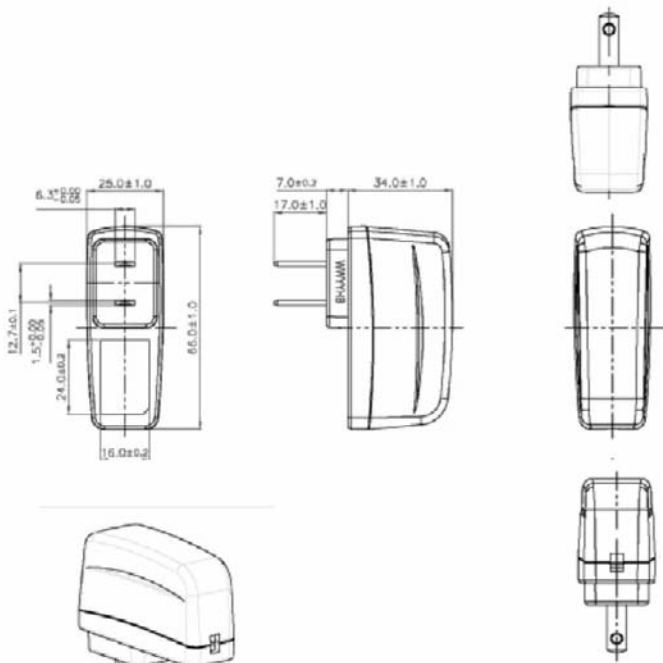
1500 ± 50 mm OR AS
SPECIFIED BY CUSTOMER.
CORD IS MEASURED FROM
THE HOUSING TO THE END
TO THE OVERMOLD OF
THE CONNECTOR.

CABLE IS TO BE MARKED WITH
WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE
BARREL

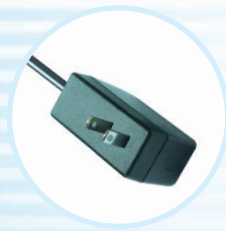
5.5 x 2.5 x 11 mm,
CENTER POSITIVE



GlobTek® Inc.
PART NO:
MODEL: GT-81083--AUS--W2
INPUT: 100-120V ~ 50/60Hz 0.2A
OUTPUT: -
LEVEL 3

CE, I.T.E. L.P.S. 6D44 E170507, UL US LISTED, EFFICIENCY LEVEL: III SV, MADE IN XXXX

XXXX - USA OR CHINA





ISO 9001:2008
REGISTERED



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to13 VDC Switching Power Supply: China, Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 9
0 VAC TO 264 VAC

INPUT CURRENT:
< 0.2A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
SEE OUTPUT RATING ABOVE, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 100 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
< 2 SEC

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR AND EISA, EFFICIENCY LEVEL IV (NORTH AMERICA)

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS(PENDING) :
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY - GROUND

LEAKAGE CURRENT:

< 0.25 mA AT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:

COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

20°C TO 85° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY, OPERATING

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V UP TO 13V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81083-0513-1.0-W2C).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81083-0404-X.X-W2C	+3.0 to 4.0	0 - 1.00	4.0
GT-81083-0506-X.X-W2C	+4.1 to 6.0	0 - 1.00	5.0
GT-81083-0509-X.X-W2C	+6.1 to 9.0	0 - 0.82	5.0
GT-81083-0513-X.X-W2C	+9.1 to 13.0	0 - 0.55	5.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

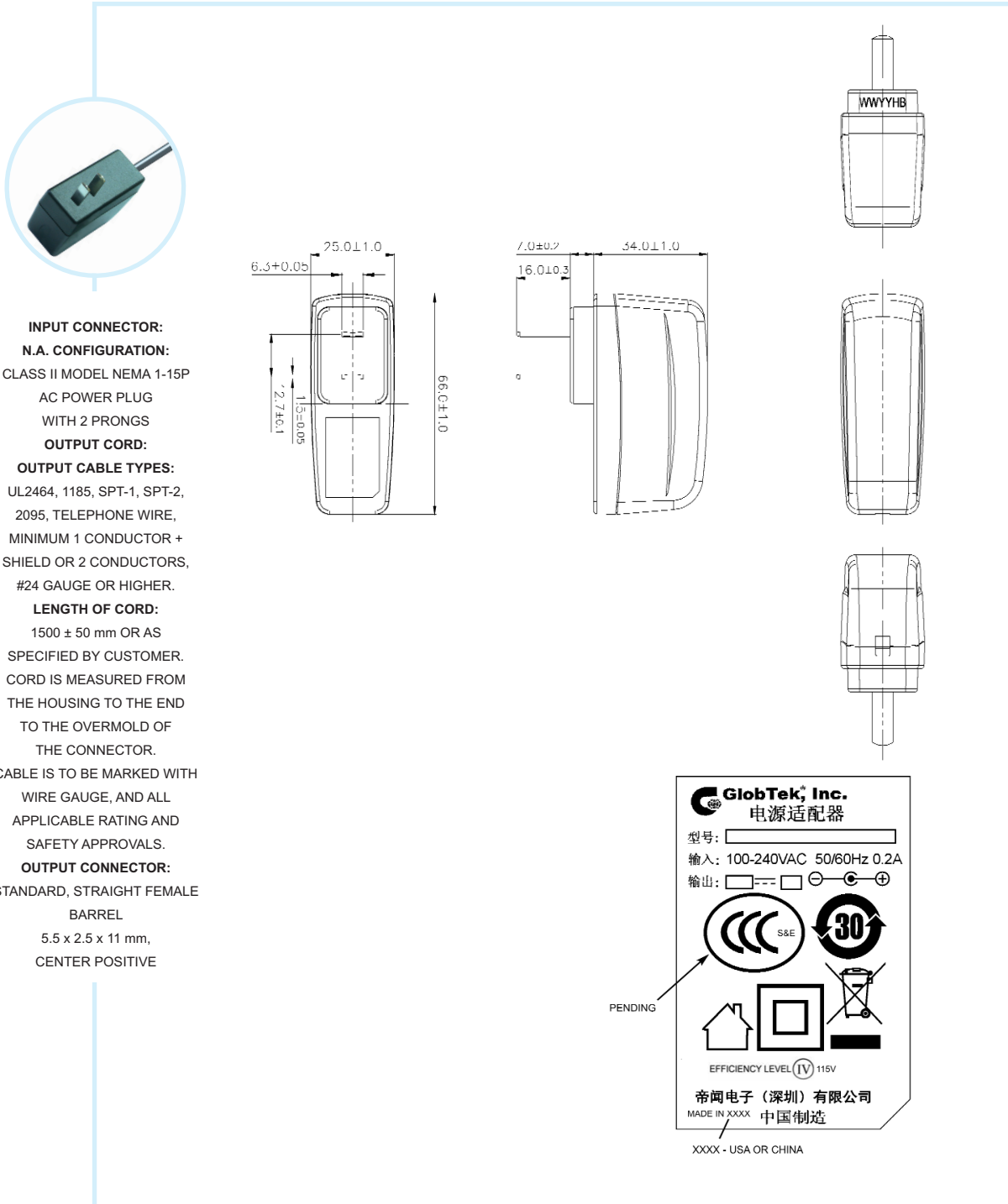


5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13VDC Switching Power Supply: China, Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 66 x 41 x 25 + 1mm



INPUT CONNECTOR:

N.A. CONFIGURATION:

CLASS II MODEL NEMA 1-15P
AC POWER PLUG
WITH 2 PRONGS

OUTPUT CORD:

OUTPUT CABLE TYPES:

UL2464, 1185, SPT-1, SPT-2,
2095, TELEPHONE WIRE,
MINIMUM 1 CONDUCTOR +
SHIELD OR 2 CONDUCTORS,
#24 GAUGE OR HIGHER.

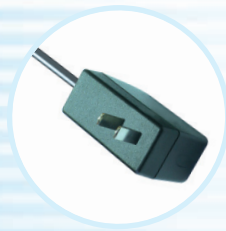
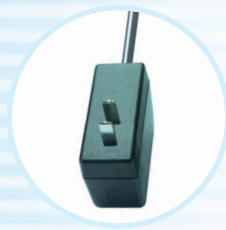
LENGTH OF CORD:

1500 ± 50 mm OR AS
SPECIFIED BY CUSTOMER.
CORD IS MEASURED FROM
THE HOUSING TO THE END
TO THE OVERMOLD OF
THE CONNECTOR.

CABLE IS TO BE MARKED WITH
WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE
BARREL
5.5 x 2.5 x 11 mm,
CENTER POSITIVE





ISO 9001:2008
REGISTERED



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to13 VDC Switching Power Supply: Australia, Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: 9
0 VAC TO 264 VAC

INPUT CURRENT:
< 0.2A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
SEE OUTPUT RATING ABOVE, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
5 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 100 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
< 2 SEC

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR AND EISA, EFFICIENCY LEVEL IV (NORTH AMERICA)

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS(PENDING) :
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY - GROUND

LEAKAGE CURRENT:
< 0.25 mA AT NOMINAL AC INPUT VOLTAGE AND FREQUENCY

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
20°C TO 85° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY, OPERATING

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V UP TO 13V IN 0.1V INCREMENTS
4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81083-0513-1.0-W2A).
5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81083-0404-X.X-W2A	+3.0 to 4.0	0 - 1.00	4.0
GT-81083-0506-X.X-W2A	+4.1 to 6.0	0 - 1.00	5.0
GT-81083-0509-X.X-W2A	+6.1 to 9.0	0 - 0.82	5.0
GT-81083-0513-X.X-W2A	+9.1 to 13.0	0 - 0.55	5.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



5 Watt Low-Profile Wall Plug-In, Single Output, 4 to 13VDC Switching Power Supply: Australia, Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 66 x 41 x 25 + 1mm

INPUT CONNECTOR:
N.A. CONFIGURATION:
CLASS II MODEL NEMA 1-15P
AC POWER PLUG
WITH 2 PRONGS

OUTPUT CORD:
OUTPUT CABLE TYPES:
UL2464, 1185, SPT-1, SPT-2, 2095, TELEPHONE WIRE, MINIMUM 1 CONDUCTOR + SHIELD OR 2 CONDUCTORS, #24 GAUGE OR HIGHER.

LENGTH OF CORD:
1500 ± 50 mm OR AS SPECIFIED BY CUSTOMER. CORD IS MEASURED FROM THE HOUSING TO THE END TO THE OVERMOLD OF THE CONNECTOR.

CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR:
STANDARD, STRAIGHT FEMALE BARREL
5.5 x 2.5 x 11 mm, CENTER POSITIVE

Dimensions:
Top view: 42.0 MAX (height), 66.00 ± 1.00 (width)
Front view: 42.90 ± 1.00 (height), 9.00 ± 0.3 (width), 44.00 ± 1.00 (width)
Cord view: 66.00 ± 1.00 (length), 17.0 ± 0.2 (width), 17.10 ± 0.4 (width), 8.7 ± 0.5 (width), 17.00 (width), 16.0 ± 0.5 (width), 6.30 ± 0.05 (width), 14.0 ± 0.2 (width)

GlobTek, Inc.
Switching Adaptor
MODEL: _____
INPUT: 100-240VAC 50/60Hz 0.2A
OUTPUT: □ --- □ ⊖ ⊕
EFFICIENCY LEVEL (IV) 115V
MADE IN XXXX
XXXX - USA OR CHINA PENDING





ISO 9001:2008
REGISTERED

GT-41076 SERIES-6W



6 Watts, Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 90)



ELECTRICAL SPECIFICATIONS

INPUT VOLTAGE:
90-264 VAC

INPUT CURRENT:
< 0.3 A RMS MAX

INPUT FREQUENCY:
47-63 HZ

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 50 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
± 5% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 115 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<300 µA AT 240 VAC

APPROVALS

SAFETY DOCUMENTS ARE AVAILABLE ONLINE BY CLICKING THIS LINK.

SAFETY APPROVAL:

UL60950-1, CUL TO 22.2 #60950-1, SIQ TO EN60950-1 2ND EDITION, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R CE CLASS II, AS/NZ TO 60950, C-TICK TO 55022, PSE TO J60950, CB REPORT, NRCAN

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:2006/A1:2007 Class B, EN610003-2, EN610003-3 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA), COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE) 5.1 - 6.9V WITH 1000 mm CABLE ONLY

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-40°C TO 80° C

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT: NORTH AMERICAN BLADE CONFIGURATION

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41076-0603-X.X	+3.0	0 - 2.0	0 - 6.0
GT-41076-0605-X.X	+5.0	0 - 1.2	0 - 6.0
GT-41076-0606-X.X	+6.0	0 - 1.0	0 - 6.0
GT-41076-0607-X.X	+7.0	0 - 0.85	0 - 6.0
GT-41076-0609-X.X	+9.0	0 - 0.66	0 - 6.0
GT-41076-0612-X.X	+12.0	0 - 0.5	0 - 6.0
GT-41076-0615-X.X	+15.0	0 - 0.4	0 - 6.0
GT-41076-0618-X.X	+18.0	0 - 0.33	0 - 6.0
GT-41076-0620-X.X	+20.0	0 - 0.30	0 - 6.0
GT-41076-0624-X.X	+24.0	0 - 0.25	0 - 6.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**6 Watts, Potted Switching Power Supply,
Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.3 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 50 MV WHICHEVER IS GREATER. MEASURED AT 20 MHZ BANDWIDTH WITH 0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 10 MF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

OUTPUT LOAD REGULATION:
+ 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE

LINE REGULATION:
+ 1 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR

TURN ON/ TURN OFF OVERSHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 115 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
CE CLASS II, PSE TO J60950-1, CB REPORT TO EN 60950-1

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 300 mA AT 240 VAC

EMI:
COMPLIES WITH EN55022 CLASS B AND WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3, EN60601-1-2 2001, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11.

EFFICIENCY:
COMPLIES WITH CEC, LEVEL V CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41076-0605-X.X	+5.0	0 - 1.2	0 - 6.0
GT-41076-0609-X.X	+9.0	0 - 0.66	0 - 6.0
GT-41076-0612-X.X	+12.0	0 - 0.5	0 - 6.0
GT-41076-0615-X.X	+15.0	0 - 0.4	0 - 6.0
GT-41076-0618-X.X	+18.0	0 - 0.33	0 - 6.0
GT-41076-0624-X.X	+24.0	0 - 0.25	0 - 6.0
GT-41076-0636-X.X	+36.0	0 - 0.17	0 - 6.0
GT-41076-0648-X.X	+48.0	0 - 0.125	0 - 6.0
GT-41076-0655-X.X	+55.0	0 - 0.11	0 - 6.0

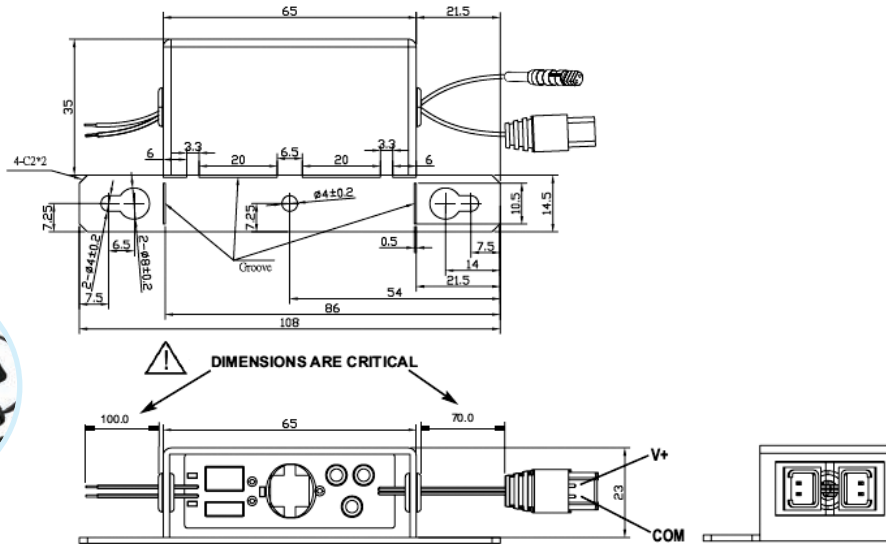
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

6 Watts, Potted Switching Power Supply, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE



⚠ DIMENSIONS ARE CRITICAL

AC Input Wires, AWG 18, FTI, 80C, 300V, Unicab, Type LL34977, AWM, 100mm long, Stripped and Tinned Black for line, White for Neutral

Output connector: Stocko PN: MKS1651-6-X-202
Wire type: AWG 24, UL 2468 Wire

NOTE: INPUT CONNECTOR IS OPTIONAL.
FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.

- NOTES:**
- 1) Material: ABS+PC C9250
 - 2) Color: Black
 - 3) Thickness: 1.6mm±0.13mm
 - 4) All dimensions are in mm.
 - 5) Enclosure to be filled with black potting compound after the Power Supply is installed inside.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
N.A., EURO. UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 92)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.3 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT REGULATION (LINE/LOAD):
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY APPROVALS:

UL60950-1, CUL TO 22.2 #60950-1, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:

<3.5 mA AT 240 VAC INPUT VOLTAGE

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998 A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA). CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

-10°C TO -80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0	+5.0	0 - 1.2	0 - 6
GT-41134-0606	+6.0	0 - 1.0	0 - 6
GT-41134-0612-3.0	+9.0	0 - 0.67	0 - 6
GT-41134-0612	+12.0	0 - 0.5	0 - 6
GT-41134-0615	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



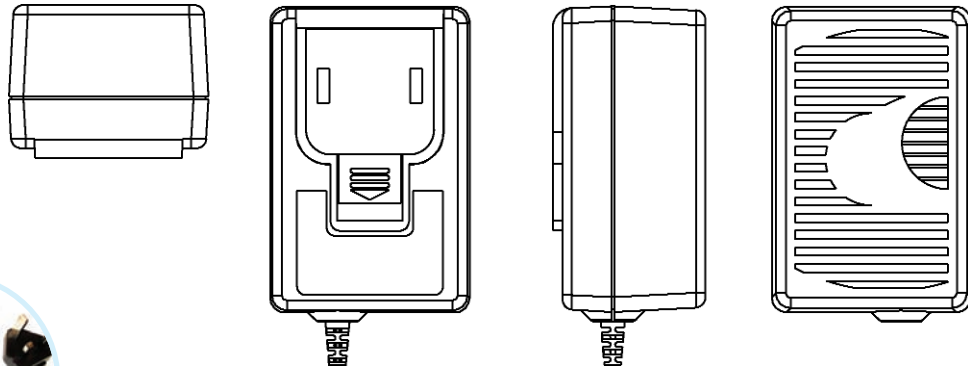
6 Watts, Wall Plug-In Switching Power Supply, N.A., EURO, UK, SAA Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 92)



ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, COOL GRAY PANTONE # 11C
LOWER HOUSING: HIGH IMPACT PLASTIC 94V-0 POLYCARBONATE, COOL GRAY PANTONE # 11C
SIZE: 40.5 x 62 x 31.5 mm



INPUT CONNECTORS:

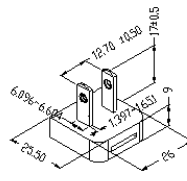
STANDARD BLACK COLOR
COOL GRAY PANTONE # 11C (OPTIONAL) ADD -GY TO THE END OF THE P/N

AC INPUT -

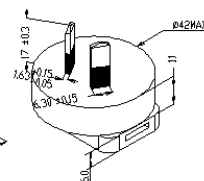
INTERCHANGEABLE BLADES

INTERCHANGEABLE BLADES OR KITS MUST BE ORDERED SEPARATELY

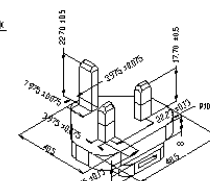
1. CLASS II MODEL NEMA 1-15P: AC POWER PLUG WITH 2 PRONGS, Q-NA(R)
2. AUSTRALIAN CONFIGURATION: 2 PINS CLASS II, Q-SAA(R)
3. UK CONFIGURATION: 2 PINS, CLASS II, Q-UK(R)
4. EUROPEAN CONFIGURATION: 2 PINS, CLASS II, Q-EU(R)
5. KOREAN CONFIGURATION: 2 PINS, CLASS II, Q-KR(R)
6. ARGENTINA CONFIGURATION: 2 PINS, CLASS II, Q-AR(R)
7. CHINA CONFIGURATION: 2 PINS, CLASS II, Q-CN(R)
8. INDIA CONFIGURATION: 2 PINS CLASS II, Q_IN(R)
9. IEC 320 INLET CONNECTOR: Q-C18(R)



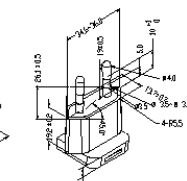
P/N Q-NA(R)
NORTH AMERICA
JAPAN



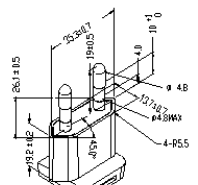
P/N Q-SAA(R)
AUSTRALIA



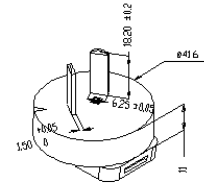
P/N Q-SAA(R)
AUSTRALIA



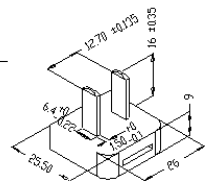
P/N Q-EU(R)
EUROPE
SOUTH AMERICA



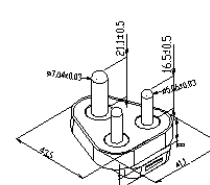
P/N Q-KR(R)
KOREA



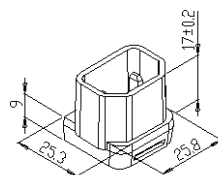
P/N Q-AR(R)
ARGENTINA



P/N Q-CN(R)
CHINA



P/N Q-IN(R)
INDIA
SOUTH AFRICA



P/N Q-C18(R)
IEC 320 INLET CONNECTOR

PENDING

ITE POWER SUPPLY (台灣製造)

ITE POWER SUPPLY (台灣製造)

P/N (型号): 12345678901234567890
MODEL (型号): GT-41134-06VV
INPUT (输入): 100-240V~50-60Hz, 0.3A
OUTPUT (输出): V --- A

EFFICIENCY LEVEL (效率等级) V

LPS WWYY RoHS

Four in arial de inform atique technologique
M4252 0041779

MADE IN CHINA (中國製造)

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
N.A., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
100-240 VAC
- INPUT CURRENT:**
0.3 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE CHART BELOW
- OUTPUT CURRENT:**
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION
- OUTPUT POWER (RATED):**
6 WATTS MAX
- OUTPUT REGULATION (LINE/LOAD):**
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE
- TURN ON/ TURN OFF OVERSHOOT:**
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SECOND, TYPICAL
- HOLD-UP TIME:**
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
- INRUSH CURRENT:**
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT
- SWITCHING FREQUENCY:**
65 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT
- OVER-CURRENT / SHORT CIRCUIT:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- INPUT:**
INPUT LINE FUSING



SAFETY APPROVALS:

UL60950-1, CUL TO 22.2 #60950-1, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:

<3.5 mA AT 240 VAC INPUT VOLTAGE

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998 A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA). CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

-10°C TO -80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603-W2	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0-W2	+5.0	0 - 1.2	0 - 6
GT-41134-0606-W2	+6.0	0 - 1.0	0 - 6
GT-41134-0612-3.0-W2	+9.0	0 - 0.67	0 - 6
GT-41134-0612-W2	+12.0	0 - 0.5	0 - 6
GT-41134-0615-W2	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.


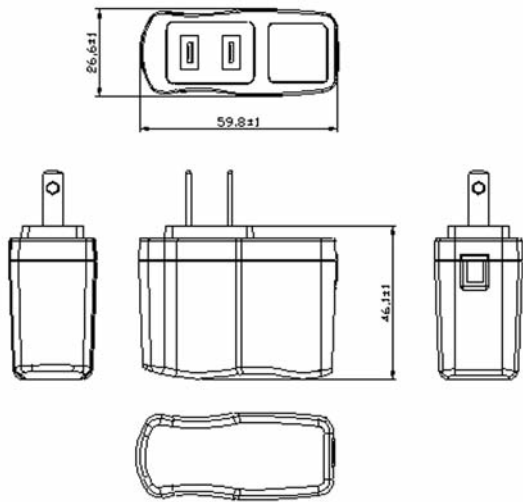
6 Watts, Wall Plug-In Switching Power Supply, N.A., Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)




ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, COOL GRAY PANTONE # 11C
LOWER HOUSING: HIGH IMPACT PLASTIC 94V-0 POLYCARBONATE, COOL GRAY PANTONE # 11C
SIZE: 59.8 x 26.6 x 46.1 mm

INPUT CONNECTION:
NEMA 1-15P

OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG):
18AWG
HANK DIMENSION:
70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE #11C
FERRITE TYPE / DIMENSIONS: N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM STRAIN PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION: STRAIGHT
PLUG DIMENSIONS:
5.5 c 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



← PENDING

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
EURO., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.3 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT REGULATION (LINE/LOAD):
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED
AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR
IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25%
STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC
INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING



DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVALS:
UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO
60950-1, CCC (PENDING) TO GB4943-2001, GB9254-1998,
GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PEND-
ING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB RE-
PORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2,
E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-
4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SEC-
TION 301 OF THE ENERGY INDEPENDENCE AND SECURITY
ACT (EISA), GECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA),
CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-10°C TO -80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603-W2E	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0-W2E	+5.0	0 - 1.2	0 - 6
GT-41134-0606-W2E	+6.0	0 - 1.0	0 - 6
GT-41134-0612-3.0-W2E	+9.0	0 - 0.67	0 - 6
GT-41134-0612-W2E	+12.0	0 - 0.5	0 - 6
GT-41134-0615-W2E	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

**6 Watts, Wall Plug-In Switching Power Supply,
EURO., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 59.8 x 26.6 x 60.5 mm

INPUT CONNECTION:
CEE 7/16

**OUTPUT CORD
AND CONNECTOR:**
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG):
18AWG
HANK DIMENSION:
70 ± 10mm
CABLE / CONNECTOR
OVERMOLD COLOR:
COOL GRAY PANTONE #11C
FERRITE TYPE / DIMENSIONS: N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM
STRAIN RELIEF: N/A
FERRITE DIMENSION FROM
STRAIN PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 c 2.5 x 11mm
BARREL PLUG INTERNAL
SPRING CLIP: NO
BARREL PLUG
LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A

GlobTek, Inc.
SWITCH-MODE
POWER SUPPLY

P/N: 12345678901234567890
MODEL: GT-41134-06VV-X.X-W2E
INPUT: 100-240V~, 50-60Hz, 0.3A
OUTPUT: 12V --- 0.5A
FOR I.T.E. USE ONLY

LISTED 41MUS E341361 EFFICIENCY LEVEL

MADE IN CHINA WWYY

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
EURO., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.3 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT REGULATION (LINE/LOAD):
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING



DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVALS:
UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO 60950-1, CCC (PENDING) TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), GECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-10°C TO -80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603-W2E-USB	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0-W2E-USB	+5.0	0 - 1.2	0 - 6
GT-41134-0606-W2E-USB	+6.0	0 - 1.0	0 - 6
GT-41134-0612-3.0-W2E-USB	+9.0	0 - 0.67	0 - 6
GT-41134-0612-W2E-USB	+12.0	0 - 0.5	0 - 6
GT-41134-0615-W2E-USB	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

**6 Watts, Wall Plug-In Switching Power Supply,
EURO., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 59.8 x 26.6 x 60.5 mm

INPUT CONNECTION:
CEE 7/16

**OUTPUT CORD
AND CONNECTOR:**
CABLE TYPE: N/A
CABLE LENGTH: N/A
WIRE GAUGE (AWG): N/A
HANK DIMENSION: N/A
CABLE / CONNECTOR
OVERMOLD COLOR: N/A

FERRITE TYPE / DIMENSIONS: N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM
STRAIN RELIEF: N/A
FERRITE DIMENSION FROM
STRAIN PLUG: N/A
PLUG TYPE: N/A

OVER MOLD ORIENTATION: N/A
PLUG DIMENSIONS: N/A
BARREL PLUG INTERNAL
SPRING CLIP: N/A
BARREL PLUG
LOCKING NOTCH: N/A
POLARITY: N/A
STRIP LENGTH: N/A
TIN LENGTH: N/A

ADDITIONAL REQUIREMENTS:
N/A

Label Information:
GlobTek, Inc.
 SWITCH-MODE POWER SUPPLY
 P/N: 12345678901234567890
 MODEL: GT-41134-06VV-X.X-W2E
 INPUT: 100-240V~, 50-60Hz, 0.3A
 OUTPUT: 12V --- 0.5A
 FOR I.T.E. USE ONLY
 LISTED 4MU8 E341361
 MADE IN CHINA
 EFFICIENCY LEVEL V
 PENDING
 WWYY

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
UK, Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
100-240 VAC
- INPUT CURRENT:**
0.3 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE CHART BELOW
- OUTPUT CURRENT:**
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION
- OUTPUT POWER (RATED):**
6 WATTS MAX
- OUTPUT REGULATION (LINE/LOAD):**
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE
- TURN ON/ TURN OFF OVERSHOOT:**
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SECOND, TYPICAL
- HOLD-UP TIME:**
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
- INRUSH CURRENT:**
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT
- SWITCHING FREQUENCY:**
65 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT
- OVER-CURRENT / SHORT CIRCUIT:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- INPUT:**
INPUT LINE FUSING



- DIELECTRIC WITHSTAND VOLTAGE:**
4242 VDC FROM PRIMARY TO SECONDARY
 - EARTH LEAKAGE:**
<3.5 mA AT 240 VAC INPUT VOLTAGE
 - SAFETY APPROVALS:**
UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO 60950-1, CCC (PENDING) TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT
 - EMI:**
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI
 - CE MARK:**
TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11
 - C-TICK:**
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.
 - EFFICIENCY:**
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), GECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)
 - MTBF:**
200,000 HOURS AT 25°C AMBIENT TEMPERATURE
 - OPERATING TEMPERATURE:**
0°C TO 40° C AMBIENT TEMPERATURE
 - STORAGE TEMPERATURE:**
-10°C TO -80° C
 - HUMIDITY:**
0% TO 90% RELATIVE HUMIDITY
 - ROHS:**
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006
- NOTES:**
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603-W2K	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0-W2K	+5.0	0 - 1.2	0 - 6
GT-41134-0606-W2K	+6.0	0 - 1.0	0 - 6
GT-41134-0612-3.0-W2K	+9.0	0 - 0.67	0 - 6
GT-41134-0612-W2K	+12.0	0 - 0.5	0 - 6
GT-41134-0615-W2K	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

6 Watts, Wall Plug-In Switching Power Supply, UK, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 63.4 x 48.8 x 48.4 mm

INPUT CONNECTION:
BS 1363

OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG):
18AWG
HANK DIMENSION:
70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE #11C

FERRITE TYPE / DIMENSIONS: N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM STRAIN PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION: STRAIGHT
PLUG DIMENSIONS:
5.5 c 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A

GlobTek, Inc.
SWITCH-MODE POWER SUPPLY

P/N: 12345678901234567890
MODEL: GT-41134-06VV-X.X-W2E
INPUT: 100-240V~, 50-60Hz, 0.3A
OUTPUT: 12V --- 0.5A
FOR I.T.E. USE ONLY

LISTED 4MUS E341361

MADE IN CHINA

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
UK, Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.3 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT REGULATION (LINE/LOAD):
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED
AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR
IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25%
STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC
INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING



DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVALS:
UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO
60950-1, CCC (PENDING) TO GB4943-2001, GB9254-1998,
GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PEND-
ING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB RE-
PORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2,
E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-
4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SEC-
TION 301 OF THE ENERGY INDEPENDENCE AND SECURITY
ACT (EISA), GECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA),
CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-10°C TO -80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603-W2K-USB	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0-W2K-USB	+5.0	0 - 1.2	0 - 6
GT-41134-0606-W2K-USB	+6.0	0 - 1.0	0 - 6
GT-41134-0612-W2K-USB	+9.0	0 - 0.67	0 - 6
GT-41134-0612-W2K-USB	+12.0	0 - 0.5	0 - 6
GT-41134-0615-W2K-USB	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

6 Watts, Wall Plug-In Switching Power Supply, UK, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

UPPER HOUSING: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
SIZE: 63.4 x 48.8 x 48.4 mm

INPUT CONNECTION:
BS 1363

OUTPUT CORD AND CONNECTOR:
CABLE TYPE: N/A
CABLE LENGTH: N/A
WIRE GAUGE (AWG): N/A
HANK DIMENSION: N/A
CABLE / CONNECTOR OVERMOLD COLOR: N/A

FERRITE TYPE / DIMENSIONS: N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM STRAIN PLUG: N/A
PLUG TYPE: N/A

OVER MOLD ORIENTATION: N/A
PLUG DIMENSIONS: N/A
BARREL PLUG INTERNAL SPRING CLIP: N/A
BARREL PLUG LOCKING NOTCH: N/A
POLARITY: N/A
STRIP LENGTH: N/A
TIN LENGTH: N/A

ADDITIONAL REQUIREMENTS:
N/A

GlobTek, Inc.
SWITCH-MODE POWER SUPPLY

P/N: 12345678901234567890
MODEL: GT-41134-06VV-X.X-W2K-USB
INPUT: 100-240V~, 50-60Hz, 0.3A
OUTPUT: 12V --- 0.5A
FOR I.T.E. USE ONLY

CE LISTED 4MU8 E341361

EFFICIENCY LEVEL V

MADE IN CHINA WYYY

← PENDING

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
N.A., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.3 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
6 WATTS MAX

OUTPUT REGULATION (LINE/LOAD):
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING



DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVALS:
UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO 60950-1, CCC (PENDING) TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), GECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-10°C TO -80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41134-0603-W2-USB	+3.3	0 - 1.8	0 - 6
GT-41134-0606-1.0-W2-USB	+5.0	0 - 1.2	0 - 6
GT-41134-0606-W2-USB	+6.0	0 - 1.0	0 - 6
GT-41134-0612-3.0-W2-USB	+9.0	0 - 0.67	0 - 6
GT-41134-0612-W2-USB	+12.0	0 - 0.5	0 - 6
GT-41134-0615-W2-USB	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.


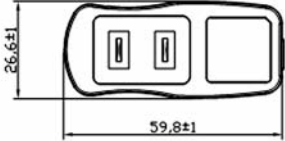
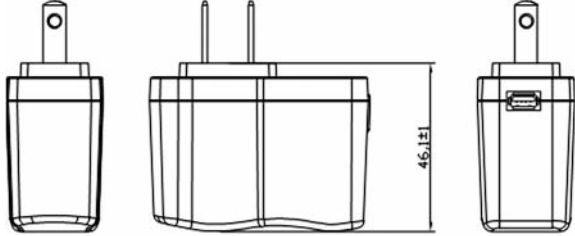
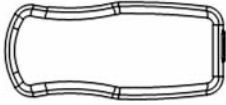

**6 Watts, Wall Plug-In Switching Power Supply,
N.A., Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 59.8 x 26.6 x 46.1mm

INPUT CONNECTION:
NEMA 1-15P

OUTPUT CORD AND CONNECTOR:
CABLE TYPE: N/A
CABLE LENGTH: N/A
WIRE GAUGE (AWG): N/A
HANK DIMENSION: N/A
CABLE / CONNECTOR OVERMOLD COLOR: N/A

FERRITE TYPE / DIMENSIONS: N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM STRAIN PLUG: N/A
PLUG TYPE: N/A

OVER MOLD ORIENTATION: N/A
PLUG DIMENSIONS: N/A
BARREL PLUG INTERNAL SPRING CLIP: N/A
BARREL PLUG LOCKING NOTCH: N/A
POLARITY: N/A
STRIP LENGTH: N/A
TIN LENGTH: N/A

ADDITIONAL REQUIREMENTS: N/A

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



US/Euro Desktop, Linear Regulated Power Supply
Dual 6 W, +12V DC @ 0.25A, -12V DC @ 0.25A

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
120 / 230 VAC (SWITCH SELECTABLE)
- INPUT CURRENT:**
0.95 A / 1.05 A MAX
- INPUT FREQUENCY:**
60 / 50 HZ
- OUTPUT VOLTAGE/CURRENT:**
+12.0 V@0.25A, -12.0 V@0.25A
- OUTPUT REGULATION:**
+/- 5% MEASURED AT THE OUTPUT CONNECTOR
- LINE VOLTAGE REGULATION:**
+/- 1% TYPICAL MEASURED AT FULL LOAD
- OUTPUT POWER (RATED):**
6 WATTS MAX
- OUTPUT INDICATOR:**
GREEN LED FOR OUTPUT PRESENT
- OVERLOAD/SHORT CIRCUIT PROTECTION:**
INPUT LINE FUSING, CURRENT LIMITING, THERMAL
- SAFETY APPROVALS:**
cUL, CE
- DIELECTRIC WITHSTAND VOLTAGE:**
3000VAC PRIMARY-SECONDARY
- EMI:**
EN55022 CLASS B WHEN TESTED WITH A RESISTIVE LOAD,
BOTH CONDUCTED AND RADIATED
- MTBF:**
200,000 HOURS AT 25°C AMBIENT TEMPERATURE
- OPERATING TEMPERATURE:**
0°C TO 40° C
- TEMPERATURE RISE:**
≤ 70° C FOR RATED LOAD.
- STORAGE TEMPERATURE:**
-20°C TO 80° C
- HUMIDITY:**
0% TO 90% RELATIVE HUMIDITY
- WEIGHT:**
0.4 KG APPX
- RoHS:**
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-51084-12N12	+12/-12	+0.25/-0.25	0 - 6
GT-51084-15N125	+15/-15	+0.20/-0.20	0 - 6
GT-51084-18N18	+18/-18	+0.167/-0.167	0 - 6
GT-51084-24N24	+24/-24	+0.125/-0.125	0 - 6
GT-51084-36N36	+36/-36	+0.83/-0.83	0 - 6
GT-51084-48N48	+48/-48	+0.62/-0.62	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

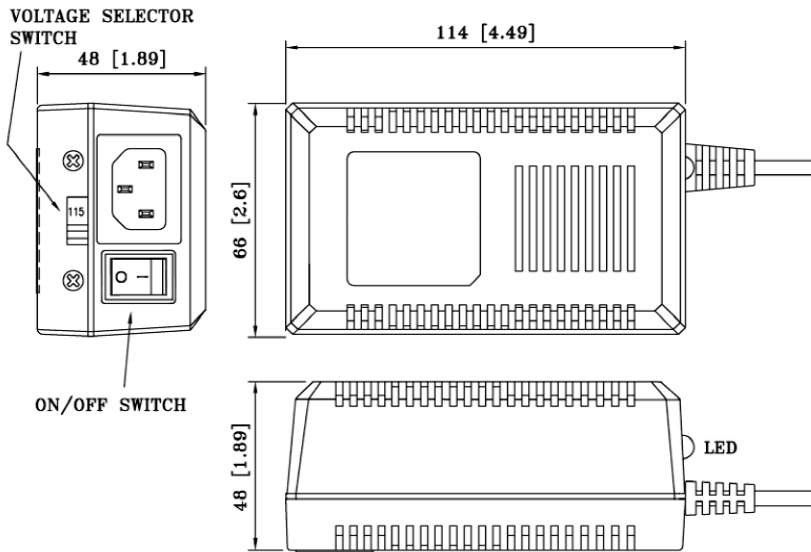


**US/Euro Desktop, Linear Regulated Power Supply
Dual 6 W, +12V DC @ 0.25A, -12V DC @ 0.25A**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, WITH ON/OFF SWITCH
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK, WITH NON-SLIP RUBBER FEET
SIZE: 114 x 66 x 48 ± 1 mm



INPUT CONNECTOR:

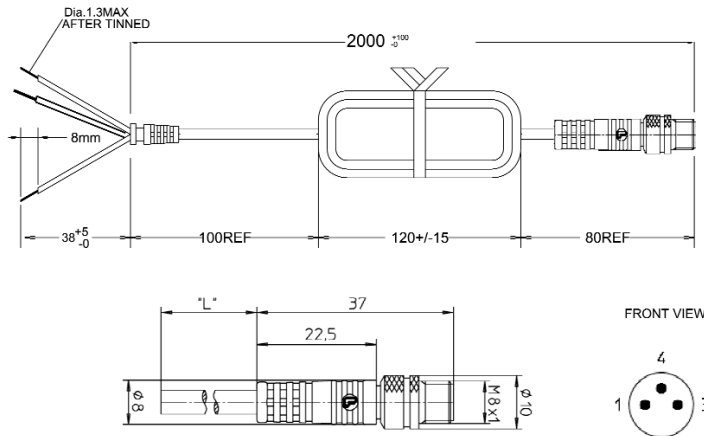
CONFIGURATION:
MODEL IEC320 / C14, AC
POWER RECEPTACLE WITH
3 MALE PRONGS.
3 CONDUCTORS, ROUND UL
TYPE: AWM 2661, 22 AWG PVC,
OD=4.8 mm, PUR TYPE
HOLOGEN FREE CABLE,
COLOR BLACK, COLOR BLACK,
LENGTH (L) OF CORD:

2000 + 100, - 0 mm.
CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.

CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

OUTPUT CONNECTOR:

LUMBERG RSMV3-657/2M
MALE CONNECTOR



GlobTek, Inc.
PART NO: GS-1121
MODEL: GT-51084-12N12
INPUT: 120V 60Hz / 230V 50Hz
OUTPUT: +12 VDC/0.25A, -12 VDC/0.25A
UL US
RoHS
MADE IN XXXX
DATE CODE: XX - WEEK YY - YEAR
XXX - USA OR CHINA





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
N.A., SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.2 AMP RMS MAX

INPUT FREQUENCY:
47-63Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
50 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY, 2121 VDC PRIMARY -GROUND

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:
UL60950-1 2ND ED, CUL TO 22.2 #60950-1, NEMKO TO EN60950-1 2ND ED, CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
20°C TO 60° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81088-067.5-2.3-W2	+5.2	0 - 1.0	0 - 5.2
GT-81088-067.5-1.0-W2	+6.0	0 - 0.83	0 - 4.98
GT-81088-067.5-W2	+7.5	0 - 0.8	0 - 6
GT-81088-0612-4.0-W2	+8.0	0 - 0.75	0 - 6
GT-81088-0612-W2	+12.0	0 - 0.5	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.


6 Watts, Wall Plug-In Switching Power Supply, N.A., SAA Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

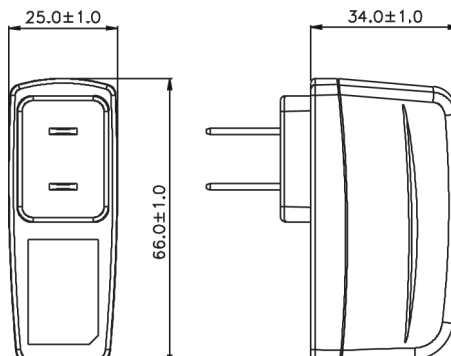



ENCLOSURE:





MATERIAL: 94V-0 POLYCARBONATE. COLOR: BLACK
DIMENSIONS: 25.0 x 66.0 x 34.0mm +/- 1.0



CABLE TYPE
2C UL 2468
 CABLE LENGTH
1500MM + 150 - 0
 CABLE LENGTH
1000MM + 150 - 0
 WIRE GAUGE (AWG)
20AWG
 HANK DIMENSION
80 ± 10MM
 CABLE / CONNECTOR
OVERMOLD COLOR
BLACK
 FERRITE TYPE / DIMENSION
N/A
 FERRITE # OF TURNS
N/A
 FERRITE DIMENSION FROM
STRAIN RELIEF
N/A
 FERRITE DIMENSION FROM
PLUG
N/A
 PLUG TYPE
Y
 BARREL
OVER MOLD ORIENTATION
STRAIGHT
 PLUG DIMENSIONS
5.5 X 2.5 X 11MM
 BARREL PLUG INTERNAL
SPRING CLIP
NO
 BARREL PLUG LOCKING
NOTCH
NO
 POLARITY
CENTER POSITIVE
 STRIP LENGTH
N/A
 TIN LENGTH
N/A
 ADDITIONAL REQUIREMENTS
N/A





PART NO: 12345678901234567-W2 (RoHS)
 MODEL: GT-81088-06VV-X.X-W2 (N)
 INPUT: 100-240V~ 50/60Hz 0.2A
 OUTPUT: +12V --- 0.41A
 LEVEL 3 ⊖ ⊕
 I.T.E. LPS 🏠
 4MU8
 E341351
 C  US LISTED 🔄 30
 
EFFICIENCY LEVEL: V
 **GlobTek, Inc.** Made In China (G)





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
Australia, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.2 AMP RMS MAX

INPUT FREQUENCY:
47-63Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
50 KHz TYPICAL

PROTECTION OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY, 2121 VDC PRIMARY -GROUND

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS
SAFETY APPROVAL:
UL60950-1 2ND ED, CUL TO 22.2 #60950-1, NEMKO TO EN60950-1 2ND ED, CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
20°C TO 60° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81088-067.5-2.3-W2A	+5.2	0 - 1.0	0 - 5.2
GT-81088-067.5-1.0-W2A	+6.0	0 - 0.83	0 - 4.98
GT-81088-067.5-W2A	+7.5	0 - 0.8	0 - 6
GT-81088-0612-4.0-W2A	+8.0	0 - 0.75	0 - 6
GT-81088-0612-W2A	+12.0	0 - 0.5	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



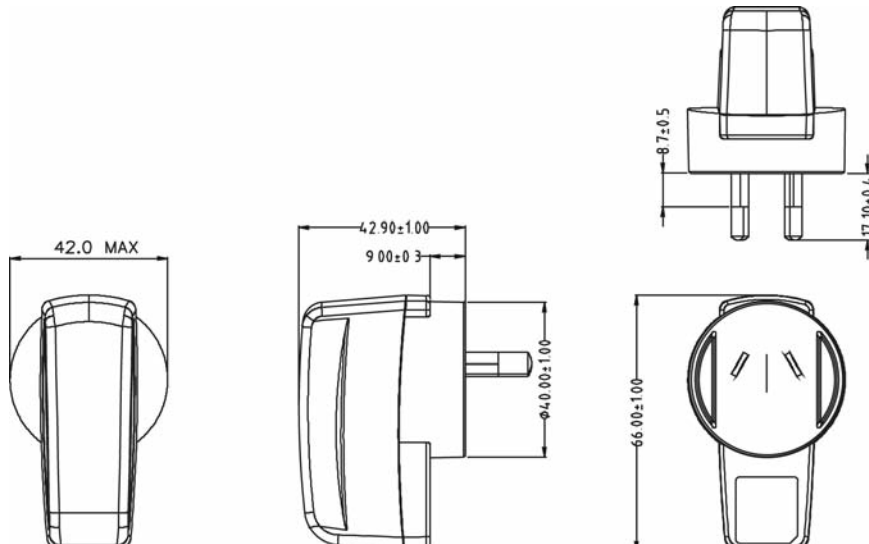
**6 Watts, Wall Plug-In Switching Power Supply,
Australia, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE:

MATERIAL: 94V-0 POLYCARBONATE. COLOR: BLACK
DIMENSIONS: 25.0 x 66.0 x 34.0mm +/- 1.0



42.0 MAX
 42.90 ± 1.00
 9.00 ± 0.3
 8.7 ± 0.5
 17.10 ± 0.4
 66.00 ± 1.00
 4.00 ± 1.00

CABLE TYPE
 2C UL 2468
CABLE LENGTH
 1500MM + 150 - 0
CABLE LENGTH
 1000MM + 150 - 0
WIRE GAUGE (AWG)
 20AWG
HANK DIMENSION
 80 ± 10 MM
CABLE / CONNECTOR
OVERMOLD COLOR
 BLACK
FERRITE TYPE / DIMENSION
 N/A
FERRITE # OF TURNS
 N/A
FERRITE DIMENSION FROM STRAIN RELIEF
 N/A
FERRITE DIMENSION FROM PLUG
 N/A
PLUG TYPE
 Y
BARREL
OVER MOLD ORIENTATION
 STRAIGHT
PLUG DIMENSIONS
 5.5 X 2.5 X 11MM
BARREL PLUG INTERNAL SPRING CLIP
 NO
BARREL PLUG LOCKING NOTCH
 NO
POLARITY
 CENTER POSITIVE
STRIP LENGTH
 N/A
TIN LENGTH
 N/A
ADDITIONAL REQUIREMENTS
 N/A

PART NO: 1234567890123456-W2A
 MODEL: GT-81088-06VV-X.X-W2A
 INPUT: 100-240V~ 50/60Hz 0.2A
 OUTPUT: +12V --- 0.41A
 LEVEL 3
 I.T.E. LPS
 4MU8
 E341351
 cUL US LISTED
 RoHS
 N
 30
 EFFICIENCY LEVEL: V
 GlobTek, Inc. Made In China (G)





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
Euro., SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.2 AMP RMS MAX

INPUT FREQUENCY:
47-63Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
50 KHZ TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY, 2121 VDC PRIMARY -GROUND

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:
UL60950-1 2ND ED, CUL TO 22.2 #60950-1, NEMKO TO EN60950-1 2ND ED, CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
20°C TO 60° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81088-067.5-2.3-W2E	+5.2	0 - 1.0	0 - 5.2
GT-81088-067.5-1.0-W2E	+6.0	0 - 0.83	0 - 4.98
GT-81088-067.5-W2E	+7.5	0 - 0.8	0 - 6
GT-81088-0612-4.0-W2E	+8.0	0 - 0.75	0 - 6
GT-81088-0612-W2E	+12.0	0 - 0.5	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



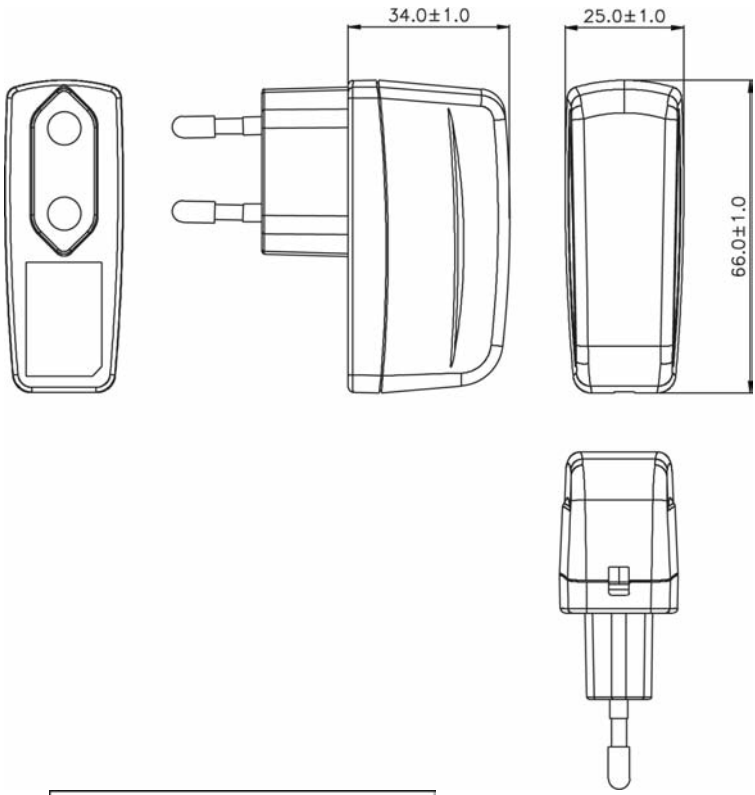
**6 Watts, Wall Plug-In Switching Power Supply,
Euro., SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE:

MATERIAL: 94V-0 POLYCARBONATE. COLOR: BLACK
DIMENSIONS: 25.0 x 66.0 x 34.0mm +/- 1.0



CABLE TYPE
2C UL 2468

CABLE LENGTH
1500MM + 150 - 0

CABLE LENGTH
1000MM + 150 - 0

WIRE GAUGE (AWG)
20AWG

HANK DIMENSION
80 ± 10MM

CABLE / CONNECTOR
OVERMOLD COLOR
BLACK

FERRITE TYPE / DIMENSION
N/A

FERRITE # OF TURNS
N/A

FERRITE DIMENSION FROM STRAIN RELIEF
N/A

FERRITE DIMENSION FROM PLUG
N/A

PLUG TYPE
Y

BARREL
OVER MOLD ORIENTATION
STRAIGHT

PLUG DIMENSIONS
5.5 X 2.5 X 11MM

BARREL PLUG INTERNAL SPRING CLIP
NO

BARREL PLUG LOCKING NOTCH
NO

POLARITY
CENTER POSITIVE

STRIP LENGTH
N/A

TIN LENGTH
N/A

ADDITIONAL REQUIREMENTS
N/A

PART NO: 1234567890123456-W2E (RoHS)

MODEL: GT-81088-06VV-X.X-W2E (N)

INPUT: 100-240V~ 50/60Hz 0.2A

OUTPUT: +12V --- 0.41A

LEVEL 3 ⊖ ⊕

I.T.E. LPS 🏠

4MU8

E341351

UL US LISTED 30

CE

EFFICIENCY LEVEL: V

GlobTek, Inc. Made In China (G)





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
N.A., SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.2 AMP RMS MAX

INPUT FREQUENCY:
47-63Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
50 KHZ TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY, 2121 VDC PRIMARY -GROUND

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:
UL60950-1 2ND ED, CUL TO 22.2 #60950-1, NEMKO TO EN60950-1 2ND ED, CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
20°C TO 60° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-83034-067.5-2.3-W2	+5.2	0 - 1.0	0 - 5.2
GT-83034-067.5-1.0-W2	+6.0	0 - 0.83	0 - 4.98
GT-83034-067.5-W2	+7.5	0 - 0.8	0 - 6
GT-83034-0612-4.0-W2	+8.0	0 - 0.75	0 - 6
GT-83034-0612-W2	+12.0	0 - 0.5	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.


6 Watts, Wall Plug-In Switching Power Supply, N.A., SAA Universal Input, ITE, Class II, Level V

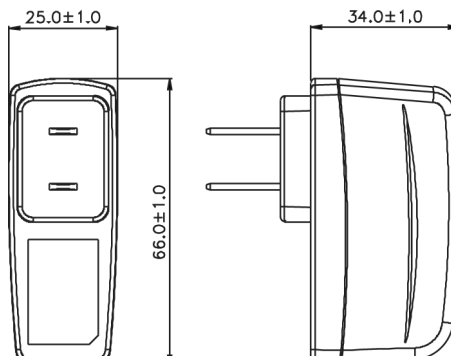
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



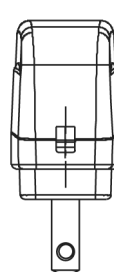


ENCLOSURE:

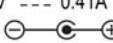
MATERIAL: 94V-0 POLYCARBONATE. COLOR: BLACK
DIMENSIONS: 25.0 x 66.0 x 34.0mm +/- 1.0











CABLE TYPE
2C UL 2468
CABLE LENGTH
1500MM + 150 - 0
CABLE LENGTH
1000MM + 150 - 0
WIRE GAUGE (AWG)
20AWG
HANK DIMENSION
80 ± 10MM
CABLE / CONNECTOR
OVERMOLD COLOR
BLACK
FERRITE TYPE / DIMENSION
N/A
FERRITE # OF TURNS
N/A
FERRITE DIMENSION FROM STRAIN RELIEF
N/A
FERRITE DIMENSION FROM PLUG
N/A
PLUG TYPE
Y
BARREL
OVER MOLD ORIENTATION
STRAIGHT
PLUG DIMENSIONS
5.5 X 2.5 X 11MM
BARREL PLUG INTERNAL SPRING CLIP
NO
BARREL PLUG LOCKING NOTCH
NO
POLARITY
CENTER POSITIVE
STRIP LENGTH
N/A
TIN LENGTH
N/A
ADDITIONAL REQUIREMENTS
N/A

PART NO: 12345678901234567-W2 (RoHS)
MODEL: GT-83034-06VV-X.X-W2 (N)
INPUT: 100-240V~ 50/60Hz 0.2A
OUTPUT: +12V --- 0.41A
LEVEL 3 

EFFICIENCY LEVEL: V
 **GlobTek, Inc.** Made In China (G)





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
Australia, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.2 AMP RMS MAX

INPUT FREQUENCY:
47-63Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
50 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY, 2121 VDC PRIMARY -GROUND

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:
UL60950-1 2ND ED, CUL TO 22.2 #60950-1, NEMKO TO EN60950-1 2ND ED, CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
20°C TO 60° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-83034-067.5-2.3-W2A	+5.2	0 - 1.0	0 - 5.2
GT-83034-067.5-1.0-W2A	+6.0	0 - 0.83	0 - 4.98
GT-83034-067.5-W2A	+7.5	0 - 0.8	0 - 6
GT-83034-0612-4.0-W2A	+8.0	0 - 0.75	0 - 6
GT-83034-0612-W2A	+12.0	0 - 0.5	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



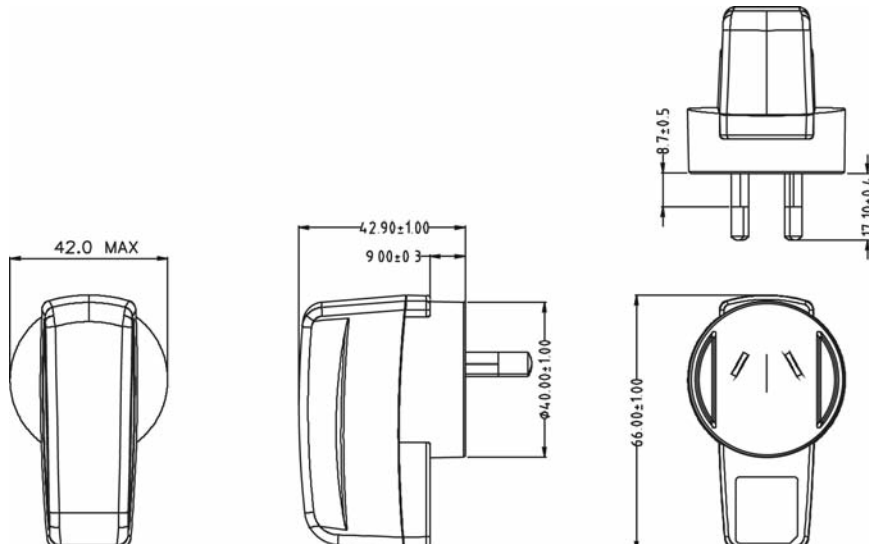
**6 Watts, Wall Plug-In Switching Power Supply,
Australia, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)







ENCLOSURE:

MATERIAL: 94V-0 POLYCARBONATE. COLOR: BLACK
DIMENSIONS: 25.0 x 66.0 x 34.0mm +/- 1.0



CABLE TYPE
 2C UL 2468
CABLE LENGTH
 1500MM + 150 - 0
CABLE LENGTH
 1000MM + 150 - 0
WIRE GAUGE (AWG)
 20AWG
HANK DIMENSION
 80 ± 10MM
CABLE / CONNECTOR
OVERMOLD COLOR
 BLACK
FERRITE TYPE / DIMENSION
 N/A
FERRITE # OF TURNS
 N/A
FERRITE DIMENSION FROM STRAIN RELIEF
 N/A
FERRITE DIMENSION FROM PLUG
 N/A
PLUG TYPE
 Y
BARREL
OVER MOLD ORIENTATION
 STRAIGHT
PLUG DIMENSIONS
 5.5 X 2.5 X 11MM
BARREL PLUG INTERNAL SPRING CLIP
 NO
BARREL PLUG LOCKING NOTCH
 NO
POLARITY
 CENTER POSITIVE
STRIP LENGTH
 N/A
TIN LENGTH
 N/A
ADDITIONAL REQUIREMENTS
 N/A

PART NO: 1234567890123456-W2A (RoHS)
 MODEL: GT-83034-06VV-X.X-W2A (N)
 INPUT: 100-240V~ 50/60Hz 0.2A
 OUTPUT: +12V --- 0.41A
 LEVEL 3 ⊖ ⊕
 I.T.E. LPS 🏠
 4MU8
 E341351
 c  US LISTED


EFFICIENCY LEVEL: V
 **GlobTek, Inc.** Made In China (G)





ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply,
Euro., SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.2 AMP RMS MAX

INPUT FREQUENCY:
47-63Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
50 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY, 2121 VDC PRIMARY -GROUND

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:
UL60950-1 2ND ED, CUL TO 22.2 #60950-1, NEMKO TO EN60950-1 2ND ED, CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
20°C TO 60° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-83034-067.5-2.3-W2E	+5.2	0 - 1.0	0 - 5.2
GT-83034-067.5-1.0-W2E	+6.0	0 - 0.83	0 - 4.98
GT-83034-067.5-W2E	+7.5	0 - 0.8	0 - 6
GT-83034-0612-4.0-W2E	+8.0	0 - 0.75	0 - 6
GT-83034-0612-W2E	+12.0	0 - 0.5	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



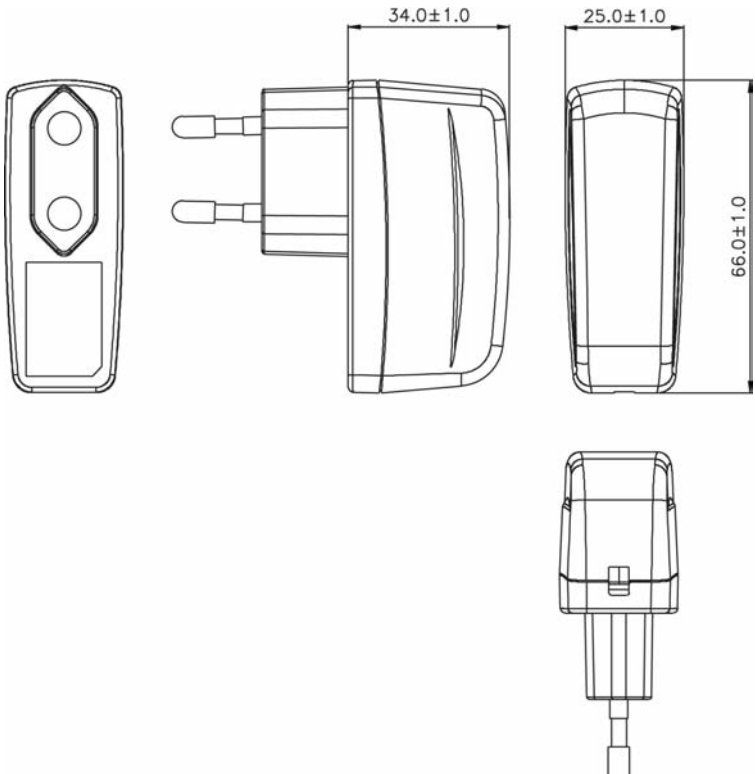
**6 Watts, Wall Plug-In Switching Power Supply,
Euro., SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE:

MATERIAL: 94V-0 POLYCARBONATE. COLOR: BLACK
DIMENSIONS: 25.0 x 66.0 x 34.0mm +/- 1.0



CABLE TYPE
2C UL 2468

CABLE LENGTH
1500MM + 150 - 0

CABLE LENGTH
1000MM + 150 - 0

WIRE GAUGE (AWG)
20AWG

HANK DIMENSION
80 ± 10MM

CABLE / CONNECTOR
OVERMOLD COLOR
BLACK

FERRITE TYPE / DIMENSION
N/A

FERRITE # OF TURNS
N/A

FERRITE DIMENSION FROM STRAIN RELIEF
N/A

FERRITE DIMENSION FROM PLUG
N/A

PLUG TYPE
Y

BARREL
OVER MOLD ORIENTATION
STRAIGHT

PLUG DIMENSIONS
5.5 X 2.5 X 11MM

BARREL PLUG INTERNAL SPRING CLIP
NO

BARREL PLUG LOCKING NOTCH
NO

POLARITY
CENTER POSITIVE

STRIP LENGTH
N/A

TIN LENGTH
N/A

ADDITIONAL REQUIREMENTS
N/A

PART NO: 1234567890123456-W2E (RoHS)

MODEL: GT-83034-06VV-X.X-W2E (N)

INPUT: 100-240V~ 50/60Hz 0.2A

OUTPUT: +12V --- 0.41A

LEVEL 3 ⊖ ⊕

I.T.E. LPS 🏠

4MU8

E341351

UL US LISTED 🔄 30

CE

EFFICIENCY LEVEL: V

GlobTek, Inc. Made In China (G)





ISO 9001:2008
REGISTERED

GT-91114-0612-PP



**6 Watts, Wall Plug-In Switching Power Supply,
Universal Input, Potted with Pins**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
12VDC

OUTPUT CURRENT:
0.5A, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
6 WATTS MAX

SWITCHING FREQUENCY

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 50 MV WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHZ BANDWIDTH WITH
0.1MF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE
END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR NORMAL OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
8 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD
START 230VAC

SWITCHING FREQUENCY:
66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER DIODE ACROSS OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY UPON REMOVAL OF FAULT
OTHER PROTECTION: INPUT FUSING

SAFETY APPROVALS(PENDING):
EN60335, EN60950, UL1310

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.3 mA AT 264 VAC

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B
WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED
AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3 AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4
4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
75% TYPICAL

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40°C AT 6 WATTS
-20°C TO 55°C AT 3.5 WATTS

STORAGE TEMPERATURE:
-40°C TO 80°C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

IPX RATING:
IPX1, POWER SUPPLY IS POTTED

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91114-0605-PP	+5.0	0 - 1.2	0 - 6
GT-91114-0612-PP	+12.0	0 - 0.5	0 - 6
GT-91114-0624-PP	+24.0	0 - 0.25	0 - 6
GT-91114-0648-PP	+48.0	0 - 0.125	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



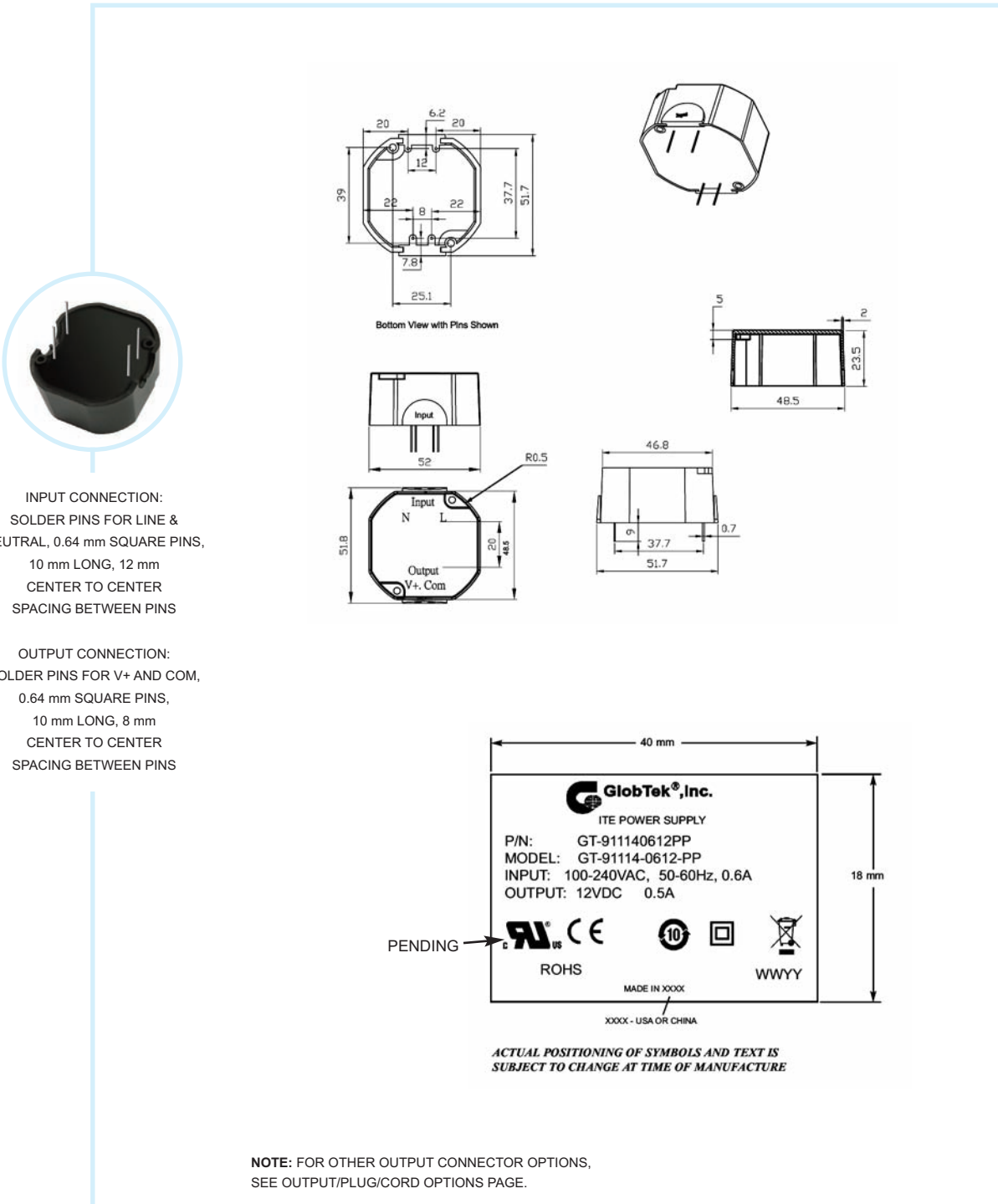
6 Watts, Wall Plug-In Switching Power Supply, Universal Input, Potted with Pins

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



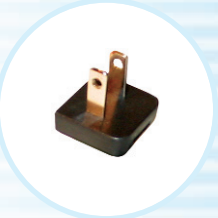
ENCLOSURE

POTTED VERSION: 51.8 x 48.5 x 23.5 mm





ISO 9001:2008
REGISTERED



GTM41076 SERIES-6W

6 Watts, Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, Medical, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS

- INPUT VOLTAGE:**
100-240 VAC
- INPUT CURRENT:**
< 0.5 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 Hz
- OUTPUT VOLTAGE:**
SEE TABLE BELOW
- OUTPUT CURRENT :**
SEE TABLE BELOW
- OUTPUT POWER (RATED):**
SEE TABLE BELOW
- OUTPUT RIPPLE (PEAK TO PEAK):**
±1% OR 50 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR
- OUTPUT LOAD REGULATION:**
±5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE
- LINE REGULATION:**
±1 % OF NOMINAL OUTPUT VOLTAGE MEASURED AT O/P CONNECTOR
- TURN ON/ TURN OFF OVERSHOOT:**
5% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
3000 mSEC MAX
- HOLD-UP TIME:**
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC
- SWITCHING FREQUENCY:**
66.5 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- OVER-CURRENT / SHORT CIRCUIT:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- OTHER PROTECTION:**
INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS:

- CB CERTIFICATE
LEC 60950-1 :2005 (SECOND EDITION), AM 1: 2009
CB REPORT
IEC 60950-1:2005 (SECOND EDITION), AM 1: 2009 AND OR EN 60950-1:2006 + AM 1:2010 + AM 11:2009 + AM 12:2011
SIQ MARK CERTIFICATE
EN 60950-1 :2006 + AL :2010 +ALL :2009 + A12:2011
UL60601-1, CUL TO 22.2 NO. 601.1-M90, INNOVA BAUART TO EN60601-1, CE CLASS II, PSE TO J60601-1, CB REPORT, C-TICK TO AS/NZ 60601-1, CCC
CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

DIELECTRIC WITHSTAND VOLTAGE:

5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:

< 300 µA AT 240 VAC

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3, EN60601-1-2 2001, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11.

EFFICIENCY:

COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTE:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41076-0605-X.X	+5.0	0 - 1.2	0 - 6.0
GTM41076-0606-X.X	+6.0	0 - 1.0	0 - 6.0
GTM41076-0607-X.X	+7.0	0 - 0.85	0 - 6.0
GTM41076-0609-X.X	+9.0	0 - 0.66	0 - 6.0
GTM41076-0612-X.X	+12.0	0 - 0.5	0 - 6.0
GTM41076-0615-X.X	+15.0	0 - 0.4	0 - 6.0
GTM41076-0618-X.X	+18.0	0 - 0.33	0 - 6.0
GTM41076-0620-X.X	+20.0	0 - 0.3	0 - 6.0
GTM41076-0624-X.X	+24.0	0 - 0.25	0 - 6.0
GTM41076-0630-X.X	+30.0	0 - 0.20	0 - 6.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



6 Watts, Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, Medical, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



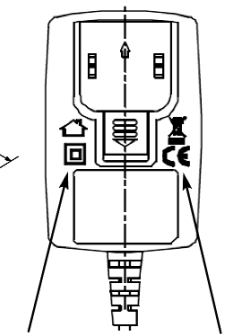
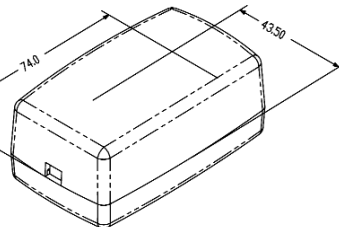
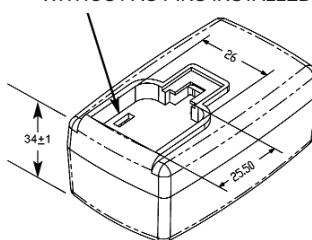
ENCLOSURES

UPPER & LOWER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



SIZE:
74 x 43.5 x 34 mm

STANDARD OPTION SHIPS WITHOUT AC PINS INSTALLED



APPROVALS MOLDED ON THE CASE

INPUT CONNECTORS
OPTIONS

Pins or Kits must be ordered separately

1 CLASS II MODEL

NEMA 1-15P AC POWER

PLUG WITH 2 PRONGS, Q-NA

2 AUSTRALIAN

CONFIGURATION: SAA 2 PINS

CLASS II, Q-SAA

3 UK CONFIGURATION: UK

2 PINS CLASS II, Q-UK

4 EUROPEAN

CONFIGURATION:

EUROPLUG 2 PINS,

CLASS II, Q-EU

5 KOREAN

CONFIGURATION, Q-KR

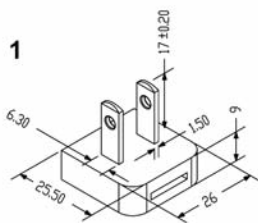
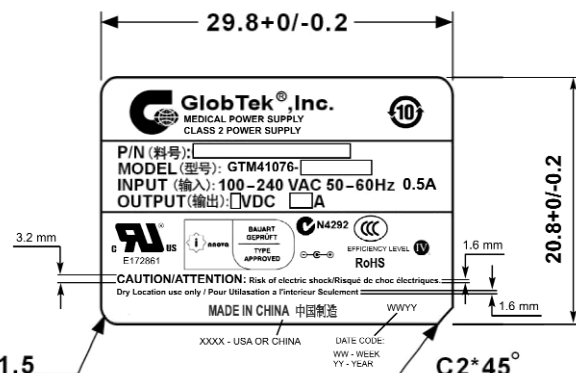
6 ARGENTINA

CONFIGURATION, Q-AR

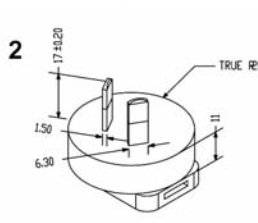
7 CHINA

CONFIGURATION, Q-CN

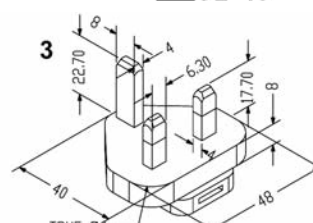
STANDARD OPTION, PINS TO BE ORDERED SEPARATELY



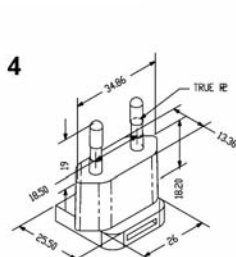
P/N: Q-NA
NORTH AMERICA
JAPAN
CHINA



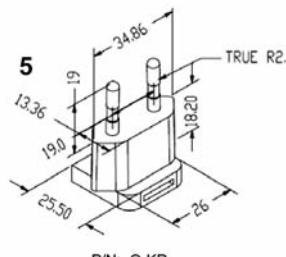
P/N: Q-SAA
AUSTRALIA
CHINA



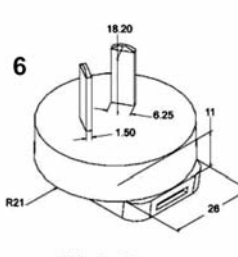
P/N: Q-UK
UNITED KINGDOM
HONG KONG
SINGAPORE



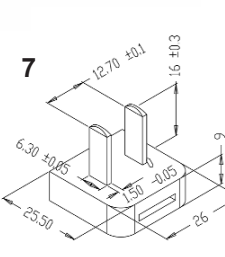
P/N: Q-EU
EUROPE
SOUTH AMERICA



P/N: Q-KR
KOREA



P/N: Q-AR
ARGENTINA



P/N: Q-CN
CHINA

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**6 Watts, Wall Plug-In Switching Power Supply, N.A., EURO. UK, SAA
Universal Input, Class II, Level V, Medical, 2X MOPP, Household**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT CURRENT:
0.3 Amp RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW. NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE AND NEUTRAL FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
6,450 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<100µA AT 264VAC INPUT VOLTAGE

PRIMARY TO SECONDARY SIDE ISOLATION:
2 X MOPP

PRIMARY TO SECONDARY BRIDGING CAPACITOR:
2 Y1 TYPE CAPACITOR IN SERIES

APPROVALS

SAFETY APPROVAL:
IEC 60601-1:2005+CORR.1(2006) + CORR.2(2007), CB REPORT, cETLus TO 60601-1, 3RD EDITION, RUSSIAN GOST-R, UKRAINE SEPRO, SEMKO TO 60601-1, 3RD EDITION AND 60335-1, PSE TO 60950-1. CERTIFIED COMPLIANCE WITH IP25 PER IEC60529:2001

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55011:1998 A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 93% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41134-0603	+3.3	0 - 1.8	0 - 6
GTM41134-0606-1.0	+5.0	0 - 1.2	0 - 6
GTM41134-0606	+6.0	0 - 1.0	0 - 6
GTM41134-0612-3.0	+9.0	0 - 0.67	0 - 6
GTM41134-0612	+12.0	0 - 0.5	0 - 6
GTM41134-0615	+15.0	0 - 0.4	0 - 6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



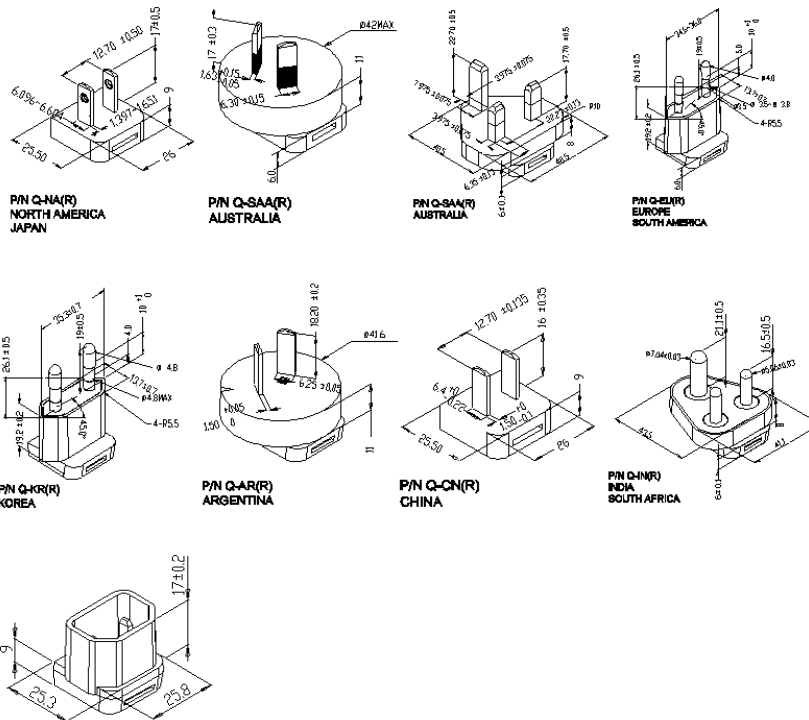
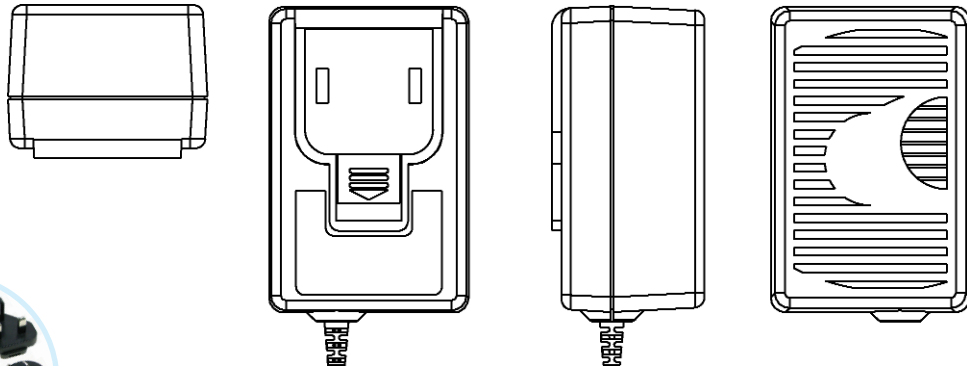
**6 Watts, Wall Plug-In Switching Power Supply, N.A., EURO, UK, SAA
Universal Input, Class II, Level V, Medical, 2X MOPP, Household**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

94V-0 POLYCARBONATE, COLOR: BLACK
SIZE: 40.5 x 62 x x 31.5 mm +/- 1.0



INPUT CONNECTORS:
STANDARD BLACK COLOR
COOL GRAY PANTONE # 11C (OP-
TIONAL) ADD -GY TO THE
END OF THE P/N
AC INPUT -

INTERCHANGEABLE BLADES
INTERCHANGEABLE BLADES OR
KITS MUST BE ORDERED
SEPARATELY

1. CLASS II MODEL NEMA 1-15P:
AC POWER PLUG WITH 2
PRONGS, Q-NA(R)
2. AUSTRALIAN CONFIGURATION:
2 PINS CLASS II, Q-SAA(R)
3. UK CONFIGURATION: 2 PINS,
CLASS II, Q-UK(R)
4. EUROPEAN CONFIGURATION:
2 PINS, CLASS II, Q-EU(R)
5. KOREAN CONFIGURATION:
2 PINS, CLASS II, Q-KR(R)
6. ARGENTINA CONFIGURATION: 2
PINS, CLASS II, Q-AR(R)
7. CHINA CONFIGURATION:
2 PINS, CLASS II, Q-CN(R)
8. INDIA CONFIGURATION:
2 PINS CLASS II, Q_IN(R)
9. IEC 320 INLET CONNECTOR:
Q-C18(R)

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**PoE Splitter with Isolation,
IEEE 802.3AF Compliant**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
DC-36V TO DC-60V (-48VDC NOMINAL)
UNDER VOLTAGE LOCKOUT:
-30VDC
MINIMUM LOAD:
NONE REQUIRED
LOAD REGULATION:
± 5%
LINE REGULATION:
±1%
RIPPLE :
2% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)
NOISE:
5% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)
EFFICIENCY :
78% MIN @-48VIN DC
SHORT CIRCUIT PROTECTION:
AUTORECOVERY WITHOUT DAMAGE TO PSU
CURRENT LIMIT:
IO*1.5 MAX

ISOLATION VOLTAGE :
1000 VDC
ISOLATION RESISTANCE :
100 MOHMS (MIN)
EMI:
DESIGNED TO MEET FCC CLASS B , EN55022 CLASS B STANDARD
SAFETY:
DESIGNED TO MEET UL/EN/IEC 60950-1 (INPUT POWER SOURCE OR POE INJECTOR SHOULD BE EN/IEC/UL 60950-1 CERTIFIED)
OPERATION TEMPERATURE:
-0 - +60 DEGREE
STORAGE TEMPERATURE:
-10 - +70 DEGREE
OPERATION HUMIDITY:
5% - 90% RH
COOLING:
CONVECTION COOLING

NOTE:
1. PINS 7 AND 8(-VDC) SHOULD NOT BE SHORTED TO GROUND.
2. MODE B (CISCO, NON-802.3AF) CONFIGURATION IS ALSO AVAILABLE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91080-0812	+12.0	0.67	0 - 8
GT-91080-0815	+15.0	0.53	0 - 8
GT-91080-0818	+18.0	0.44	0 - 8
GT-91080-0820	+20.0	0.40	0 - 8
GT-91080-0822	+22.0	0.36	0 - 8
GT-91080-0824	+24.0	0.5A	0 - 12

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



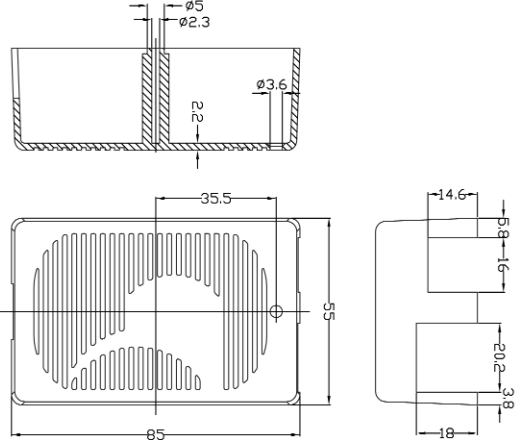
**PoE Splitter with Isolation,
IEEE 802.3AF Compliant**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

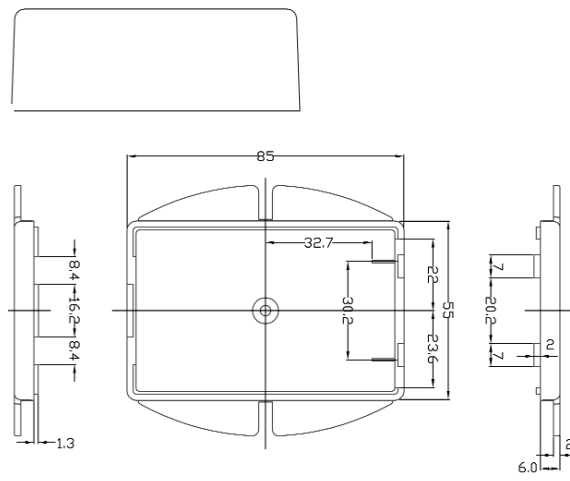
ENCLOSURE

CONFIGURATION:
HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED COLOR GRAY

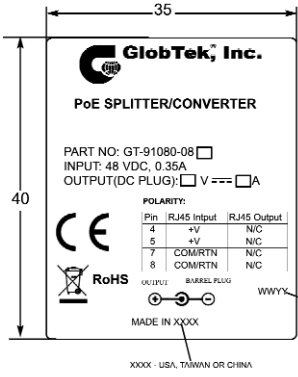
PLASTIC CASE MATERIAL: ABS
PLASTIC CASE FINISH: TEXTURE
PLASTIC CASE COLOR: BLACK
PLASTIC CASE DIMENSION: 85MM (D)
* 55MM (W) * 30MM (H)
WEIGHT: 110G



TOP



BOTTOM



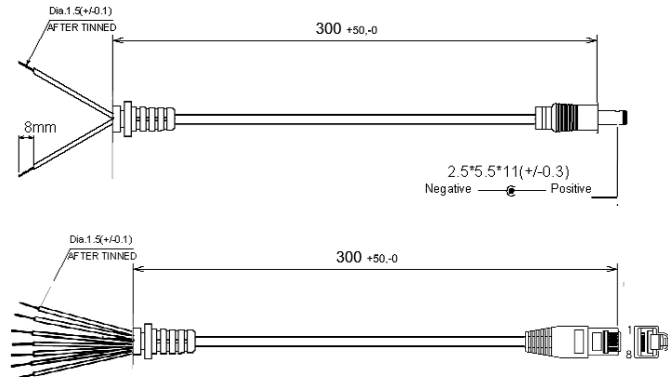
LED INDICATOR:
GREEN = DC POWER GOOD

OUTPUT CORD DC POWER-PLUG (POWER):
1 CONDUCTOR + SHIELD, 18 AWG STANDARD WIRE, ROUND # 1185, COLOR GRAY, LENGTH: 300 +50,-0 MM. CORD IS MEASUED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR. CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR:
STANDARD, STRAIGHT FEMALE BARREL, 5.5 X 2.5 X 11 MM, (SPRING LOADED WITH LOCKING NOTCH), CENTER POSITIVE:

OUTPUT CORD RJ45 PLUG (DATA): 8 CONDUCTOR , CAT-5 UTP OR BETTER (350 MHZ), COLOR GRAY, LENGTH: 300 +50,-0 MM. CORD IS MEASUED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR. CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR: RJ45, 8P8C





ISO 9001:2008
REGISTERED



**10 Watts, On-Board Universal Input AC-DC Encapsulated
Modular Power Supplies Single & Dual Output**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264VAC TYPICAL. (OR 110-340VDC)

INPUT CURRENT:
0.3A @ 115VAC./ 0.13A @ 230VAC

INPUT FREQUENCY:
47-63 HZ. (50/60HZ.NOM.) OR DC

OUTPUT CURRENT:
10 WATTS TYPICAL

OUTPUT RIPPLE (PEAK TO PEAK):
1.0% TYPICAL PEAK TO PEAK

OUTPUT REGULATION (LINE/LOAD):
VARIOUS WITH OUTPUT VOLTAGE.
SINGLE O/P ±1.0% TYPICAL.
DUAL O/P ±2.0% TYPICAL

LINE REGULATION:
VARIOUS WITH OUTPUT VOLTAGE
SINGLE O/P: ±0.1% TYPICAL.
DUAL O/P: ±0.2% TYPICAL

OVP:
BUILT-IN ON MAIN OUTPUT.

ADJUSTABILITY:
FROM -10% OF MAIN OUTPUT TILL OVP.

HOLD-UP TIME:
20MS @115VAC, 80MS @230VAC

INRUSH CURRENT:
32.5A PEAK @ 230VAC

INPUT FUSE:
USE EXTERNAL FUSE. 1.0A/250VAC FOR PRIMARY
FUSE IS SUGGESTED

EFFICIENCY:
67-79% TYPICAL (VARIOUS WITH OUTPUT VOLTAGE)

SWITCHING FREQUENCY:
75K HZ

CIRCUIT TOPOLOGY:
FIXED FREQUENCY FLYBACK CIRCUIT.

TRANSIENT RESPONSE:
TYPICAL PEAK DEVIATION 250MV,

RECOVERY TIME:
< 3MS FOR A 25% LOAD CHANGE.

CASE:
IMPACT RESISTANT THERMO-PLASTIC ENCLOSURE.

WEIGHT:
120G (4.23 OZ)

POWER DENSITY:
2.51 WATTS. / CUBIC INCH.

OVER-VOLTAGE PROTECTION:

FULLY PROTECTED AGAINST OUTPUT OVERLOAD AND SHORT CIRCUIT. OLP IS SET AT ABOUT 125-150% RATING OUTPUT WATTAGE. CONSULT THE FACTORY FOR ALTERNATIVE OLP SETTINGS

SAFETY APPROVALS (PENDING):

UL/CUL 60950 3-RD EDITION, TUV TO EN 60950, CE

DIELECTRIC WITHSTAND VOLTAGE:

3,000VAC-OUTPUT/INPUT, 1,500VAC-INPUT/GND, 500VAC-OUTPUT/GN

EARTH LEAKAGE:

LESS THAN 3.5MA @230VAC

EMI:

MEET CISPR PUB.22/ FCC CLASS B

MTBF:

200,000 HOURS. MIL STD 217, 25°C

OPERATING TEMPERATURE:

-10 TO +70°C RANGE
-10°C TO +50°C FULL LOAD WITHOUT DERATING
FROM +50°C, DERATING LINEARLY TO HALF LOAD @+70°C (REFER TO DERATING CHART.)

STORAGE TEMPERATURE:

-20°C TO +85°C

TEMPERATURE COEFFICIENT:

± 0.02% °C

HUMIDITY:

95% RH, NON-CONDENSING

COOLING:

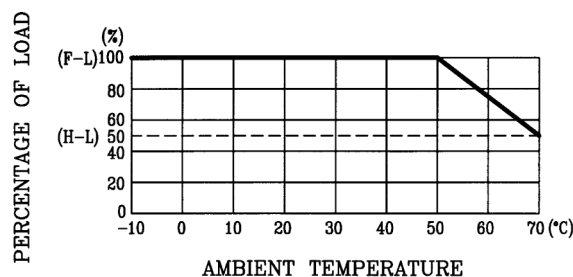
CONVECTION COOLING FOR +50°C @ FULL LOAD.
AT LEAST 100LFM MOVING AIR IS RECOMMENDED
FOR FULL LOAD > +50°C IN A CONFINED AREA
COMMERCIAL GRADE ONLY

NOTES:

1. ALL MEASUREMENTS ARE AT NOMINAL INPUT, FULL LOAD, AND +25°C UNLESS OTHERWISE SPECIFIED.
2. LOAD REGULATION MEASURED FROM FULL-LOAD (F-L) TO HALF-LOAD (H-L) AT NOMINAL INPUT AND OTHERS LOADED AT HALF LOAD. DUE TO REQUESTS IN MARKET AND ADVANCES IN TECHNOLOGY, SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.



DERATING CHART



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-21088 AND GT-4101W SERIES-12W

0-12 Watts, Low-Profile Wall Plug-In, N.A., Europe, Universal Input, Single Output Family, ITE Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
≤ 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
12 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYP

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 0.5% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500μS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
10 m SEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75% TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL, VARIES WITH LINE AND CORD

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT.

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:

UL60950 (3rd ED.), CUL TO 22.2 # 60950 (3rd EDITION), TUV TO EN60950-1:2001, PSE TO J60950, CE CLASS II, CB

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC (3000VAC) PRIMARY-SECONDARY

LEAKAGE CURRENT:

< 1mA AT 264VAC INPUT

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25° C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0° C TO 40° C

STORAGE TEMPERATURE:

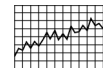
-10° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
3. OUTPUTS MAY VARY FROM 3.3V UP TO 24V IN 0.1V INCREMENTS.
4. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "B" FOR ELECTRICAL PERFORMANCE CURVES

OUTPUT VOLTAGE / CURRENT: CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21088-0503-W2, W2E	+ 3.0	0 - 1.5	0 - 4.5
GT-21088-0505-1.0-W2, W2E	+ 4.0	0 - 1.5	0 - 6.0
GT-21088-0605-X.X-W2, W2E	+ 5.0	0 - 1.5	0 - 7.5
GT-4101W-05-X.X-W2 (NEMA 1-15P/JIS 8303 BLADE ONLY)	+ 5.0	0 - 2.0 A	0 - 10.0
GT-21088-0806-X.X-W2, W2E	+ 6.0	0 - 1.33	0 - 8.0
GT-21088-0809-2.0-W2, W2E	+ 7.0	0 - 1.28	0 - 9.0
GT-21088-0809-1.0-W2, W2E	+ 8.0	0 - 1.13	0 - 9.0
GT-21088-0909-X.X-W2, W2E	+ 9.0	0 - 1.0	0 - 9.0
GT-21088-1012-X.X-W2, W2E	+12.0	0 - 0.8	0 - 10.0
GT-21088-1015-2.0-W2, W2E	+ 13.0	0 - 0.76	0 - 10.0
GT-21088-1015-1.2-W2, W2E	+ 13.8	0 - 0.72	0 - 10.0
GT-21088-1015-X.X-W2, W2E	+15.0	0 - 0.63	0 - 10.0
GT-4101W-20-X.X-W2 (NEMA 1-15P/JIS 8303 BLADE ONLY)	+20.0	0 - 0.6 A	0 - 12.0
GT-4101W-24-X.X-W2 (NEMA 1-15P/JIS 8303 BLADE ONLY)	+24.0	0 - 0.5 A	0 - 12.0

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-12 Watts, Low-Profile Wall Plug-In, N.A., Europe, Universal Input, Single Output Family, ITE Class II

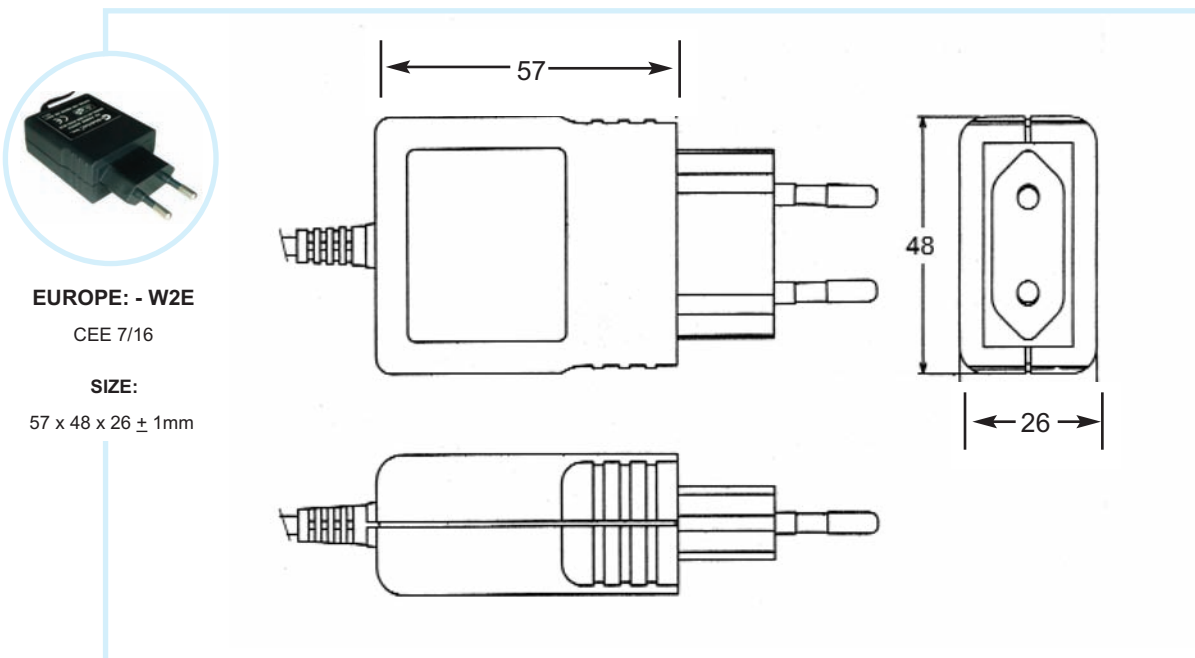
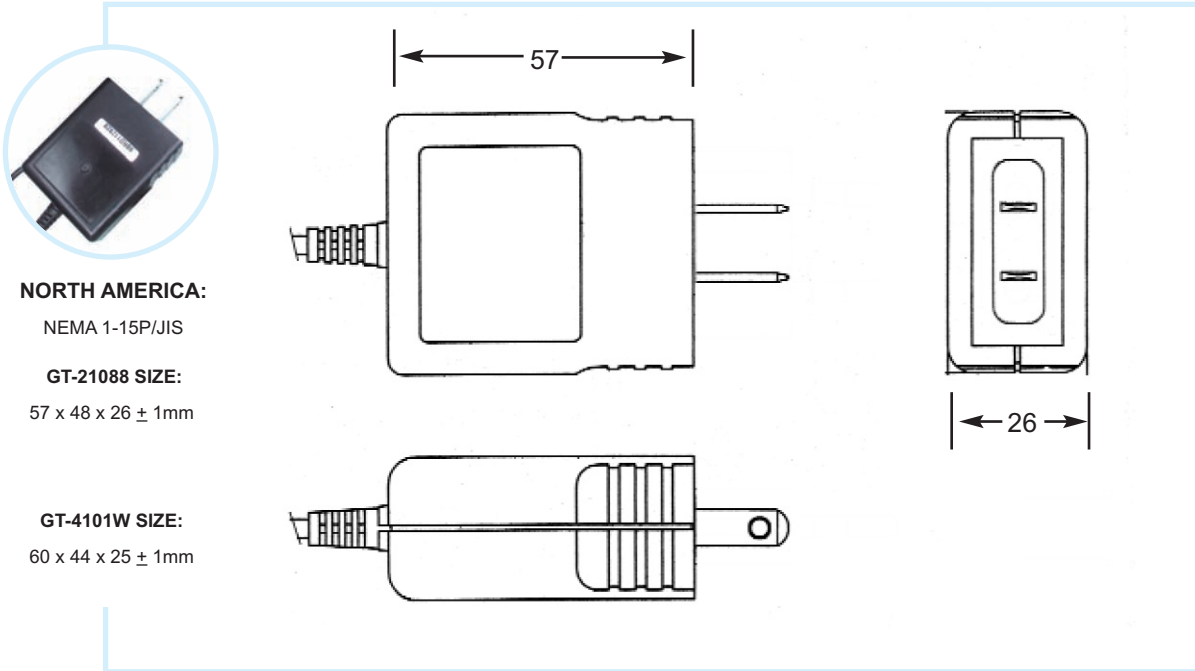
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-41135-12VV-X.X



**12 Watts, Wall Plug-In Switching Power Supply,
N.A., EURO. UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
100-240 VAC
- INPUT CURRENT:**
0.6 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE CHART BELOW
- OUTPUT CURRENT:**
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION
- OUTPUT POWER (RATED):**
12 WATTS MAX
- OUTPUT REGULATION (LINE/LOAD):**
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE
- TURN ON/ TURN OFF OVERSHOOT:**
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SECOND, TYPICAL
- HOLD-UP TIME:**
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
- INRUSH CURRENT:**
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT
- SWITCHING FREQUENCY:**
65 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT
- OVER-CURRENT / SHORT CIRCUIT:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- INPUT:**
INPUT LINE FUSING



SAFETY APPROVALS:

UL60950-1, CUL TO 22.2 #60950-1, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R. CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:

<3.5 mA AT 240 VAC INPUT VOLTAGE

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), GECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

-10°C TO -80° C

HUMIDITY:

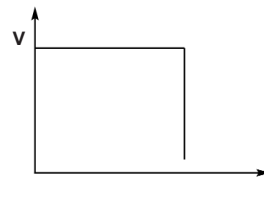
0% TO 90% RELATIVE HUMIDITY

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41135-1205	+5.0	0 - 2.0	0 - 12
GT-41135-1205	+12.0	0 - 1.0	0 - 12
GT-41135-1205	+24.0	0 - 0.5	0 - 12
GT-41135-1205	+48.0	0 - 0.25	0 - 12

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

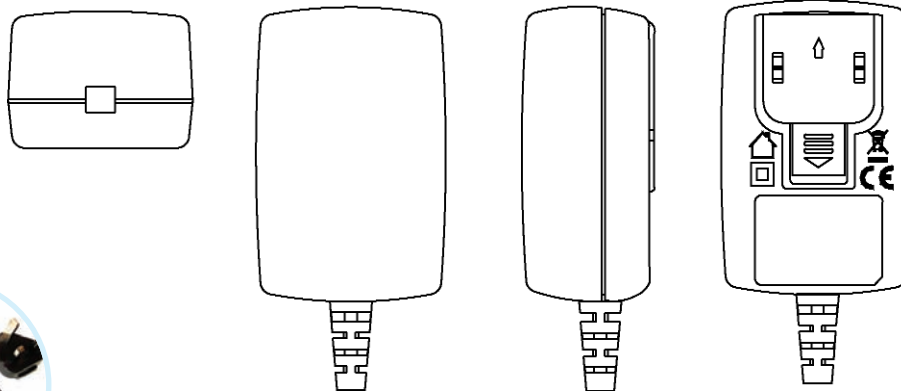
**12 Watts, Wall Plug-In Switching Power Supply, N.A.,
EURO. UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, COOL GRAY PANTONE # 11C
LOWER HOUSING: HIGH IMPACT PLASTIC 94V-0 POLYCARBONATE, COOL GRAY PANTONE # 11C
SIZE: 40.5 x 62 x 31.5 mm



INPUT CONNECTORS:

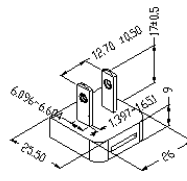
STANDARD BLACK COLOR
COOL GRAY PANTONE # 11C (OP-
TIONAL) ADD -GY TO THE
END OF THE P/N

AC INPUT -

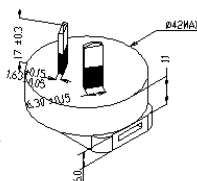
INTERCHANGEABLE BLADES

INTERCHANGEABLE BLADES OR
KITS MUST BE ORDERED
SEPARATELY

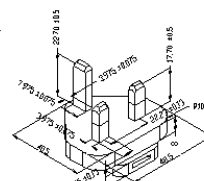
1. CLASS II MODEL NEMA 1-15P:
AC POWER PLUG WITH 2
PRONGS, Q-NA(R)
2. AUSTRALIAN CONFIGURATION:
2 PINS CLASS II, Q-SAA(R)
3. UK CONFIGURATION: 2 PINS,
CLASS II, Q-UK(R)
4. EUROPEAN CONFIGURATION:
2 PINS, CLASS II, Q-EU(R)
5. KOREAN CONFIGURATION:
2 PINS, CLASS II, Q-KR(R)
6. ARGENTINA CONFIGURATION: 2
PINS, CLASS II, Q-AR(R)
7. CHINA CONFIGURATION:
2 PINS, CLASS II, Q-CN(R)
8. INDIA CONFIGURATION:
2 PINS CLASS II, Q_IN(R)
9. IEC 320 INLET CONNECTOR:
Q-C18(R)



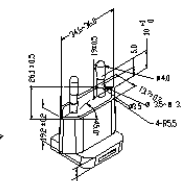
P/N Q-NA(R)
NORTH AMERICA
JAPAN



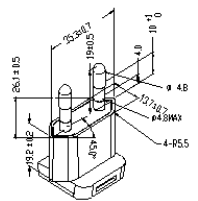
P/N Q-SAA(R)
AUSTRALIA



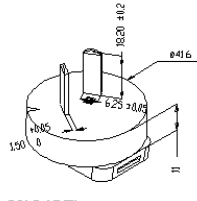
P/N Q-SAA(R)
AUSTRALIA



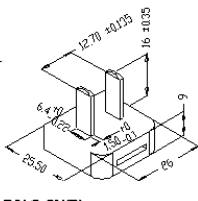
P/N Q-EU(R)
EUROPE
SOUTH AMERICA



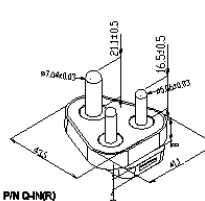
P/N Q-KR(R)
KOREA



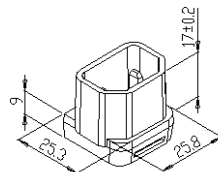
P/N Q-AR(R)
ARGENTINA



P/N Q-CN(R)
CHINA



P/N Q-IN(R)
INDIA
SOUTH AFRICA



P/N Q-C18(R)
IEC 320 INLET CONNECTOR

PENDING →

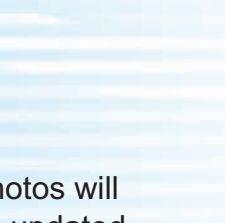
GlobTek® Inc.
ITE POWER SUPPLY (电源供应器)

P/N(料号): 12345678901234567890
MODEL(型号): GT-41135-12VV
INPUT(输入): 100-240V~, 50-60Hz, 0.6A
OUTPUT(输出): V ~~~ A

EFFICIENCY LEVEL

Pour matériel de informatique technologique
04392 QD0102 MADE IN CHINA (中国制造)

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.



Photos will
be updated



ISO 9001:2008
REGISTERED



**PoE Splitter with Isolation,
IEEE 802.3AF Compliant**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
DC-36V TO DC-60V (-48VDC NOMINAL)

UNDER VOLTAGE LOCKOUT:
-30VDC

MINIMUM LOAD:
NONE REQUIRED

LOAD REGULATION:
± 5%

LINE REGULATION:
±1%

RIPPLE :
2% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

NOISE:
5% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

EFFICIENCY :
78% MIN @-48VIN DC

SHORT CIRCUIT PROTECTION:
AUTORECOVERY WITHOUT DAMAGE TO PSU

CURRENT LIMIT:
IO*1.5 MAX

ISOLATION VOLTAGE :
1000 VDC

ISOLATION RESISTANCE :
100 MOHMS (MIN)

EMI:
DESIGNED TO MEET FCC CLASS B , EN55022 CLASS B STANDARD

SAFETY:
DESIGNED TO MEET UL/EN/IEC 60950-1 (INPUT POWER SOURCE OR POE INJECTOR SHOULD BE EN/IEC/UL 60950-1 CERTIFIED)

OPERATION TEMPERATURE:
-0 - +60 DEGREE

STORAGE TEMPERATURE:
-10 - +70 DEGREE

OPERATION HUMIDITY:
5% - 90% RH

COOLING:
CONVECTION COOLING

NOTE:
1. PINS 7 AND 8(-VDC) SHOULD NOT BE SHORTED TO GROUND.
2. MODE B (CISCO, NON-802.3AF) CONFIGURATION IS ALSO AVAILABLE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91080-0812	+12.0	0.67	0 - 8
GT-91080-0815	+15.0	0.53	0 - 8
GT-91080-0818	+18.0	0.44	0 - 8
GT-91080-0820	+20.0	0.40	0 - 8
GT-91080-0822	+22.0	0.36	0 - 8
GT-91080-0824	+24.0	0.5A	0 - 12

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**PoE Splitter with Isolation,
IEEE 802.3AF Compliant**

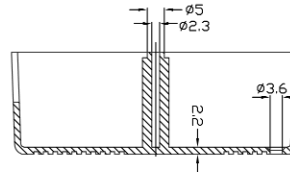
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE

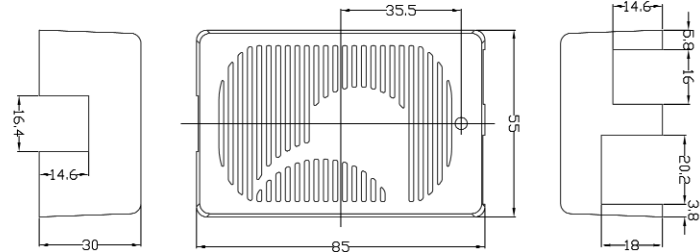
CONFIGURATION:

HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED COLOR GRAY

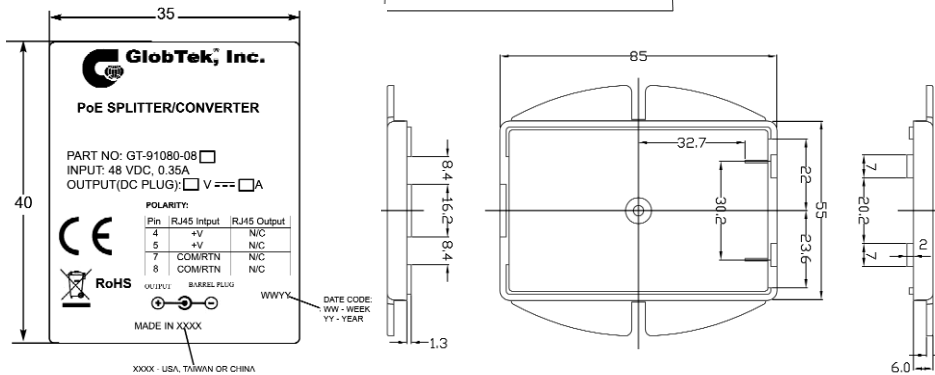
PLASTIC CASE MATERIAL: ABS
PLASTIC CASE FINISH: TEXTURE
PLASTIC CASE COLOR: BLACK
PLASTIC CASE DIMENSION: 85MM (D)
* 55MM (W) * 30MM (H)
WEIGHT: 110G



TOP



BOTTOM



LED INDICATOR:

GREEN = DC POWER GOOD
OUTPUT CORD DC POWER-
PLUG (POWER):

1 CONDUCTOR + SHIELD, 18
AWG STANDARD WIRE,
ROUND # 1185, COLOR GRAY,
LENGTH: 300 +50,-0 MM.
CORD IS MEASURED FROM
THE HOUSING

TO THE END OF OVERMOLD
OF THE CONNECTOR. CABLE
IS TO BE MARKED WITH WIRE
GAUGE, AND ALL APPLICABLE
RATING AND SAFETY AP-
PROVALS.

OUTPUT CONNECTOR:

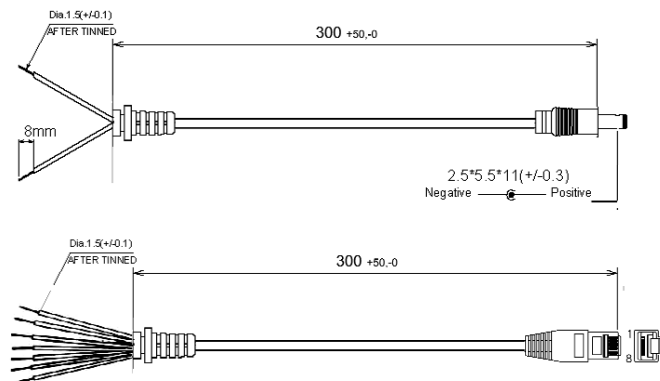
STANDARD, STRAIGHT FE-
MALE BARREL, 5.5 X 2.5 X 11
MM, (SPRING LOADED WITH
LOCKING NOTCH), CENTER
POSITIVE:

OUTPUT CORD RJ45 PLUG
(DATA): 8 CONDUCTOR, CAT-
5 UTP OR BETTER (350 MHZ),
COLOR GRAY, LENGTH: 300
+50,-0 MM. CORD IS
MEASURED FROM THE
HOUSING TO

THE END OF OVERMOLD OF
THE CONNECTOR. CABLE IS
TO BE MARKED WITH WIRE
GAUGE, AND ALL APPLICABLE
RATING AND SAFETY AP-
PROVALS.

OUTPUT CONNECTOR:

RJ45, 8P8C



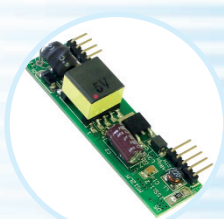
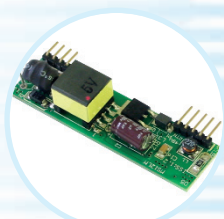
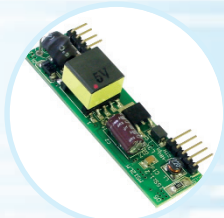
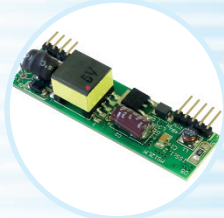
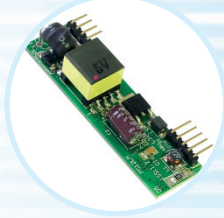
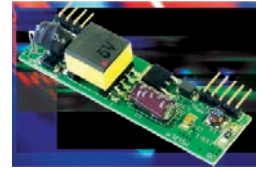


ISO 9001:2008
REGISTERED



12 Watts, PD Module PoE Splitter with Isolation

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



DESCRIPTION:

GLOBTEK'S GT-91087-12XX POWER OVER ETHERNET (POE) PD MODULE OFFERS A COMPACT AND COST EFFECTIVE, FULLY IEEE 802.3AF COMPLIANT SOLUTION FOR REMOTE POWERING OF WIRELESS LAN (WLAN) ACCESS POINTS, VOICE OVER IP PHONES AND NETWORK SECURITY CAMERAS. THE PD MODULE AUTOMATIC DETECTION AND PROTECTION OF LEGACY ETHERNET TERMINALS, ELIMINATES THE NEED FOR EXTERNAL POWER SUPPLY AND ITS ASSOCIATED AC/DC POWER CABLING, PROVIDING A COMPACT, AFFORDABLE, SAFE AND RELIABLE POWER SOLUTION OVER EXISTING ETHERNET INFRASTRUCTURE.

ELECTRICAL SPECIFICATION:

INPUT VOLTAGE:

-36VDC TO -60VDC (-48VDC NOMINAL) UNDER VOLTAGE

LOCKOUT:

-30VDC

MINIMUM LOAD:

NONE REQUIRED

LOAD REGULATION:

±5% MAXIMUM

LINE REGULATION:

±1% MAXIMUM

RIPPLE :

2% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

NOISE:

5% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

OPERATION FREQUENCY:

100KHZ (MIN)

EFFICIENCY:

78% MIN @-48VIN DC

PROTECTION:

SHORT CIRCUIT PROTECTION: AUTORECOVERY WITHOUT DAMAGE TO PSU

CURRENT LIMITS:

150% RATED CURRENT MAXIMUM

ISOLATION VOLTAGE:

1500 VDC

ISOLATION RESISTANCE:

100 MOHMS (MIN)

THERMAL:

INTERNALLY PROTECTED AGAINST OVER-TEMPERATURE CONDITIONS

INTEROPERABILITY:

COMPLIES WITH IEEE 802.3 AF, TESTED BY UNH-IOL

EMI:

DESIGNED TO MEET FCC CLASS B , EN55022 CLASS B STANDARD

SAFETY:

DESIGNED TO MEET UL/EN/IEC 60950-1 (INPUT POWER SOURCE OR POE INJECTOR SHOULD BE EN/IEC/UL 60950-1 CERTIFIED)

OPERATION TEMPERATURE:

-0 - +60 DEGREE

STORAGE TEMPERATURE:

-10 - +70 DEGREE

OPERATION HUMIDITY:

5% - 90% RH

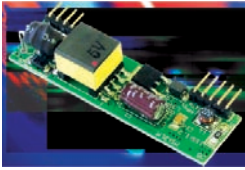
COOLING:

FREE AIR COOLING

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE	OUTPUT CURRENT	TOTAL POWER
GT-91087-1203	+3.30	0 - 3.6	12
GT-91087-1205	+5.0	0 - 2.4	12
GT-91087-1206	+6.0	0 - 2.0	12
GT-91087-1207	+7.0	0 - 1.7	12
GT-91087-1209	+9.0	0 - 1.3	12
GT-91087-1212	+12.0	0 - 1.0	12
GT-91087-1215	+15.0	0 - 0.8	12
GT-91087-1218	+18.0	0 - 0.7	12
GT-91087-1220	+20.0	0 - 0.6	12
GT-91087-1222	+22.0	0 - 0.5	12
GT-91087-1224	+24.0	0 - 0.5	12

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

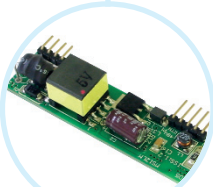


12 Watts, PD Module PoE Splitter with Isolation

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

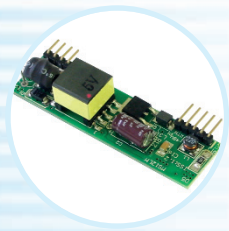
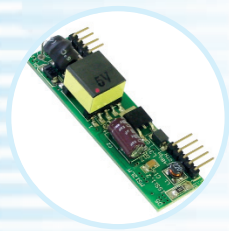
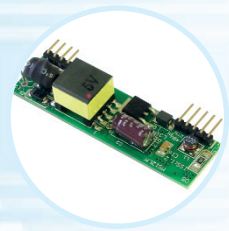
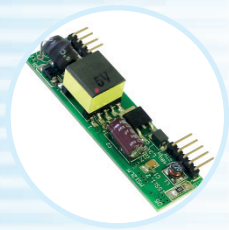
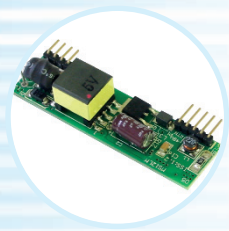
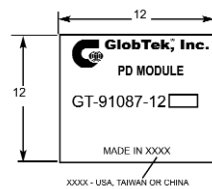
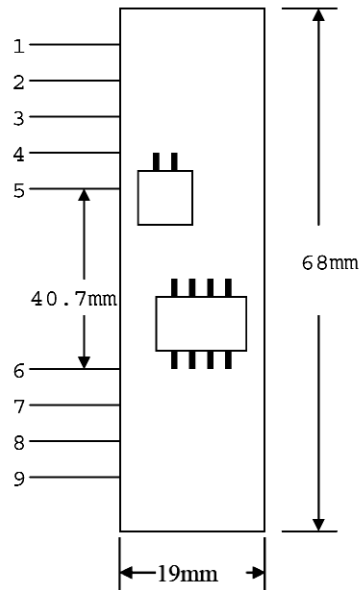
MECHANICAL SPECIFICATION & PIN CONFIGURATION

OPEN FRAME



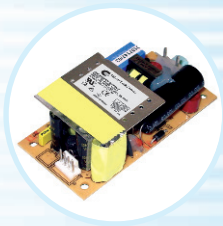
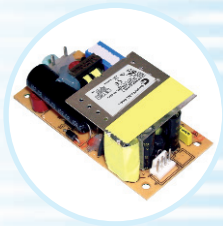
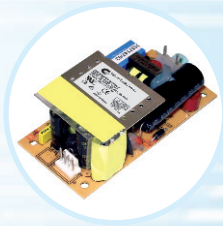
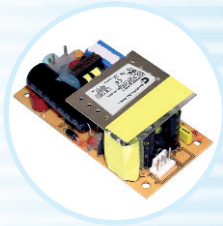
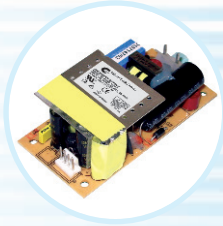
CONNECTORS:
PIN PITCH : 2.54mm

PIN	CONNECTIONS
1	NC
2	VIN-
3	VIN-
4	VIN+
5	VIN+
6	VOUT-
7	VOUT-
8	VOUT+
9	VOUT+





ISO 9001:2008
REGISTERED



GT-21098 SERIES 15W

0-15 Watts, Switchmode, Single Output, 5V@ 3A (2.2"x3.9")
Open Frame, Universal Input, ITE Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
+ 5VDC @ 0-3.0A

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
15 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYP

OUTPUT REGULATION (LINE/LOAD):
± 2 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 0.5 % MAX AT FULL LOAD

ADJUSTABILITY:
+10, -5% OUTPUT VOLTAGE

REMOTE SENSING (OPTION):
PROVIDES REGULATION WITHIN ± 1% OF NOMINAL VOLTAGE OF MAIN OUTPUT AT LOAD LEVEL. FOR 3.3V SINGLE OUTPUT, REMOVE IS REQUIRED.

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD

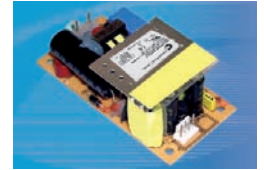
TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
16 m SEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL



OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
UR TO UL 60950, C-UR TO 22.2 # 950, TUV TO EN 60950, CE CLASS I & II

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000 VAC) PRIMARY-SECONDARY;1500 VAC PRIMARY- GROUND

LEAKAGE CURRENT:
≤ 0.25 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0° C TO 40° C

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
GT-21098-1505	+ 5.0	0 - 3.0	0 - 15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



**0-15 Watts, Switchmode, Single Output, 5V@ 3A (2.2"x3.9")
Open Frame, Universal Input, ITE Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

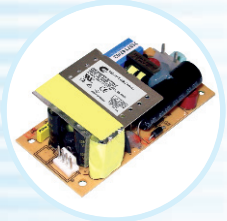
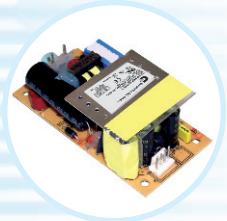
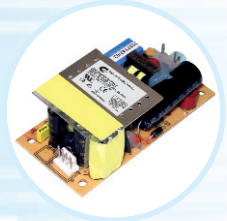
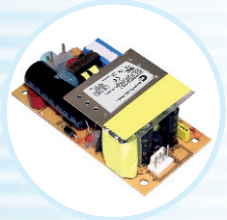
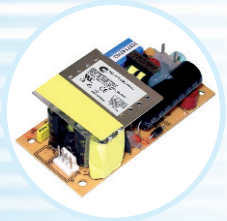
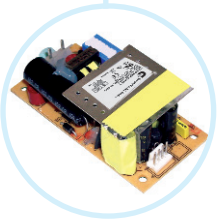
MECHANICAL CONFIGURATION:

INPUT CONNECTOR:

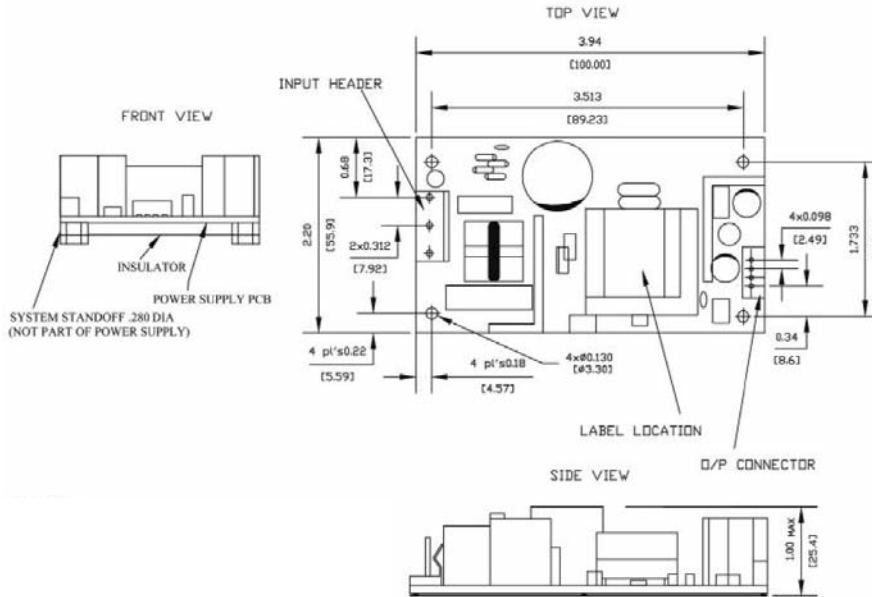
SQUARE PIN LOCKING HEADERS, WITH .312(7.92) BETWEEN CONDUCTORS, .045 (1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-65-2038 (3 CIRCUITS, WITH 1 PIN REMOVED FOR CLASS II). HEADER MATES WITH MOLEX NO. 2139 CONNECTOR OR EQUIVALENTS.

OUTPUT CONNECTOR:

OPEN FRAME: 4 PIN STRAIGHT SQUARE PIN FULLY SHROUDED HEADER, MOLEX: 35312-0410 UL 94V-0 RATED NYLON HOUSING; .098(2.50) PITCH BETWEEN CONDUCTORS, .025(.64) SQUARE PINS, TIN PLATED, HEADER MATCH WITH MOLEX # 35155 CONNECTORS OR EQUIVALENT.



OPTION:
10 MIL 94V-0 FIBER GLASS (2.17 X 3.90) INCH, W/4HOLES MATCHING MOUNTING HOLE POSITIONS, TERMINAL BOARD WITH RTV UNDERNEATH THE POWER PC BOARD IN 6 PLACES.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-41052 SERIES-15W



15 Watts, Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
15 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
100 mV

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 1 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
16 m SEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 I_o

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
UL60950, CUL TO 22.2# 950, DEMKO TO EN60950-12001, AS/NZ 60950-1 CCC TO GB4943-2001, GB9254-1998, GB17625.1-2003, CE CLASS II, PSE TO J60950, AS/NZ 60950, CB REPORT, ARGENTINA S-MARK TO IEC 60950-1: 10/2001, TAIWAN BSMI TO CNS14336 (12v), SINGAPORE SPRING TO IEC60950-1:2001, VCCI. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

DIELECTRIC WITHSTAND VOLTAGE:
3000VAC PRIMARY-SECONDARY

LEAKAGE CURRENT:

≤ 0.25 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED.

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

C-TICK:

TESTED TO COMPLY WITH RADIO TELECOMMUNICATIONS ACT OF 1992

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

AMBIENT TEMPERATURE, OPERATING TEMPERATURE:

0° C TO 40° C

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41052-WWWV-X.X

WHERE:

41052: SERIES CODE

WW = DENOTES RATED WATTAGE

(VV) = RATED VOLTAGE

(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:

XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 5VDC-24VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

OUTPUT VOLTAGE / CURRENT: NORTH AMERICAN BLADE CONFIGURATION

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41052-1305	+ 5.0	0 - 2.6	15
GT-41052-1506-X.X	+ 6.0	0 - 2.5	15
GT-41052-1507-X.X	+ 7.0	0 - 2.14	15
GT-41052-1509-X.X	+ 9.0	0 - 1.7	15
GT-41052-1512-X.X	+ 12.0	0 - 1.25	15
GT-41052-1515-1.2	+ 13.8	0 - 1.1	15
GT-41052-1515-X.X	+ 15.0	0 - 1.0	15
GT-41052-1518-X.X	+ 18.0	0 - 0.84	15
GT-41052-1520-X.X	+ 20.0	0 - 0.75	15
GT-41052-1524-X.X	+ 24.0	0 - 0.63	15
GT-41052-1548-22.0	+ 36.0	0 - 0.41	15
GT-41052-1548	+ 48.0	0 - 0.31	15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



15 Watts, Wall Plug-In, Switchmode Power Supply, N.A., European, U.K., SAA Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

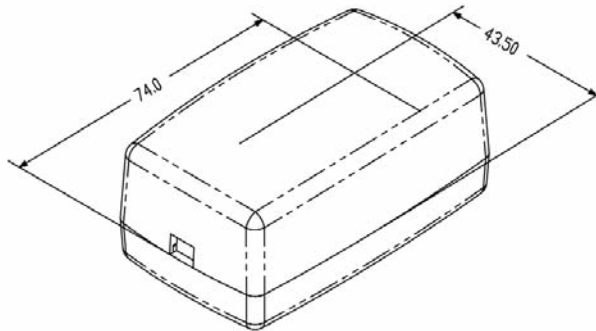
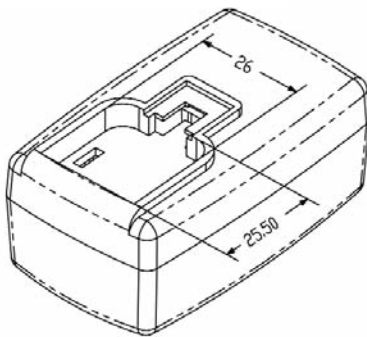


ENCLOSURES

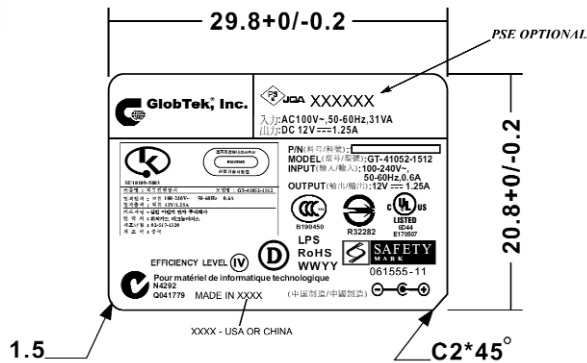
HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.

STANDARD OPTION SHIPS WITHOUT AC PINS INSTALLED

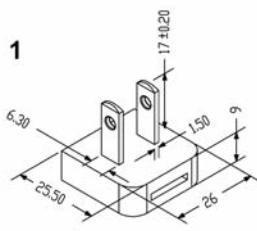
SIZE:
74 x 43.5 x 34 mm



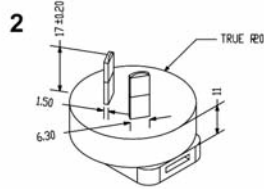
STANDARD OPTION, PINS TO BE ORDERED SEPARATELY



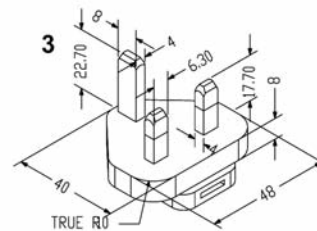
- INPUT CONNECTOR:**
N.A. CONFIGURATION:
1. CLASS II MODEL NEMA 1-15P JIS AC POWER RECEPTACLE WITH 2 PRONGS
2. AUSTRALIAN CONFIGURATION:
AS/NZ 3112 2 PINS CLASS II
3. UK CONFIGURATION:
BS 1363 2 PINS CLASS II
4. EUROPEAN CONFIGURATION:
EUROPLUG CEE 7/16 2 PINS, CLASS II



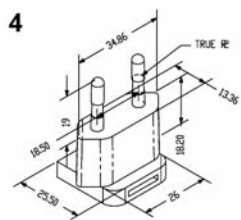
P/N: Q-NA
NORTH AMERICA
JAPAN
CHINA



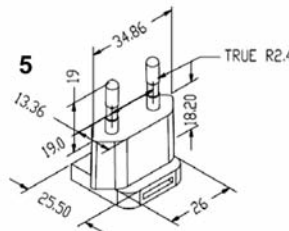
P/N: Q-SAA
AUSTRALIA
CHINA



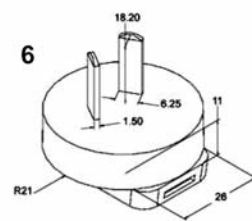
P/N: Q-UK
UNITED KINGDOM
HONG KONG
SINGAPORE



P/N: Q-EU
EUROPE
SOUTH AMERICA



P/N: Q-KR
KOREA



P/N: Q-AR
ARGENTINA

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
5-13.5 VDC

OUTPUT CURRENT:
2.5 M mA MAXIMUM, DEPENDING ON OUTPUT VOLTAGE,
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 90 mV MAX,WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH
0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE END OF THE
OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

EFFICIENCY AVERAGE:
CEC LEVEL IV 74% MIN. AT NOMINAL LINE

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA)
AND ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
SECTION 301

SWITCHING FREQUENCY:
50 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL
OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL
OF FAULT

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS(PENDING):
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,
1-st ED., CE CLASS II, CB

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY -
GROUND

LEAKAGE CURRENT:
≤ 0.25 mAAT 264 VAC INPUT

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED CE MARK (PENDING): TESTED
TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1,
INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4,
EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE
AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR
TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER
2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)
5.1 ~ 6.9V WITH 1000 mm CABLE ONLY

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-20°C TO 60° C

HUMIDITY:
5% TO 95% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATED RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED
2. SINGLE OUTPUT VOLTAGES ARE AVAILABLE FROM 5.0 TO 7.5V AND FROM 9.0 TO 13.5V.
3. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM THE STANDARD BASE MODEL.
4. -W2: STANDARD US WALL PLUG IN MODEL WITH NEMA 1-15P PLUG CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81085-1507.5-2.5-X.X-W2	5.0	0 - 2.5	0 - 15
GT-81085-1507.5-1.5-X.X-W2	6.0	0 - 2.17	0 - 15
GT-81085-1507.5-W2	7.5	0 - 1.73	0 - 15
GT-81085-1513.5-4.5-X.X-W2	9.0	0 - 1.67	0 - 15
GT-81085-1513.5-1.5-X.X-W2	12.0	0 - 1.25	0 - 15
GT-81085-1513.5-W2	13.5	0 - 1.11	0 - 15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

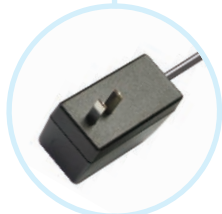


15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

LOWER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 69.0 x 28.8 x 45.0 + 1mm



INPUT CONNECTOR:

N.A. CONFIGURATION: CLASS II
MODEL NEMA 1-15P AC POWER
PLUG WITH 2 PRONGS

OUTPUT CORD:

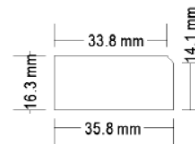
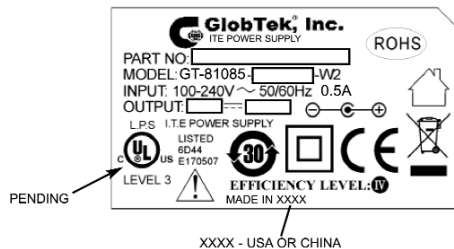
2 CONDUCTOR, 20 AWG
STRANDED WIRE, FLAT UL 2468
CORD TYPE,
COLOR BLACK,
LENGTH (L) OF CORD:
1800 ± 50 mm.

CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF
THE CONNECTOR.

CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE
BARREL
5.5 x 2.1 x 11 mm
(SPRING LOADED WITH
LOCKING NOTCH); WITH
CENTER POSITIVE





ISO 9001:2008
REGISTERED



15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90 VAC TO 264 VAC
- INPUT CURRENT:**
< 0.5A RMS AT 90 VAC INPUT
- INPUT FREQUENCY:**
47 HZ - 63 HZ
- OUTPUT VOLTAGE:**
5-13.5 VDC
- OUTPUT CURRENT:**
2.5 M mA MAXIMUM, DEPENDING ON OUTPUT VOLTAGE,
NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
WATTS MAX
- OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):**
+/-1% OR 90 mV MAX,WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH
0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE END OF THE
OUTPUT CONNECTOR.
- OUTPUT REGULATION (LINE/LOAD):**
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
± 2% MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERTHOOT:**
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SEC TYPICAL
- HOLD-UP TIME:**
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- EFFICIENCY AVERAGE:**
CEC LEVEL IV 74% MIN. AT NOMINAL LINE
- NO LOAD POWER CONSUMPTION:**
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA)
AND ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
SECTION 301
- SWITCHING FREQUENCY:**
50 KHZ TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL
OF FAULT
- OVER-CURRENT/SHORT CIRCUIT:**
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL
OF FAULT

OTHER PROTECTION:

- INPUT FUSING
- SAFETY APPROVALS(PENDING):**
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,
1-st ED., CE CLASS II, CB
- DILECTRIC WITHSTAND VOLTAGE:**
4242 VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY -
GROUND
- LEAKAGE CURRENT:**
≤ 0.25 mAAT 264 VAC INPUT
- EMI:**
COMPLIES WITH EN55022, CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED CE MARK (PENDING): TESTED
TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1,
INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4,
EN61000-4-5, EN61000-4-6, EN61000-4-11
- EFFICIENCY:**
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE
AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR
TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER
2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)
5.1 ~ 6.9V WITH 1000 mm CABLE ONLY
- MTBF:**
200,000 HOURS AT 25°C AMBIENT TEMPERATURE
- OPERATING TEMPERATURE:**
0°C TO 40° C
- STORAGE TEMPERATURE:**
-20°C TO 60° C
- HUMIDITY:**
5% TO 95% RELATIVE HUMIDITY
- RoHS:**
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATED RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED
2. SINGLE OUTPUT VOLTAGES ARE AVAILABLE FROM 5.0 TO 7.5V AND FROM 9.0 TO 13.5V.
3. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM THE STANDARD BASE MODEL.
4. -W2E: STANDARD EURO WALL PLUG IN MODEL WITH CEE 7/16 PLUG CONFIGURATION.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81085-1507.5-2.5-X.X-W2E	5.0	0 - 2.5	0 - 15
GT-81085-1507.5-1.5-X.X-W2E	6.0	0 - 2.17	0 - 15
GT-81085-1507.5-W2E	7.5	0 - 1.73	0 - 15
GT-81085-1513.5-4.5-X.X-W2E	9.0	0 - 1.67	0 - 15
GT-81085-1513.5-1.5-X.X-W2E	12.0	0 - 1.25	0 - 15
GT-81085-1513.5-W2E	13.5	0 - 1.11	0 - 15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

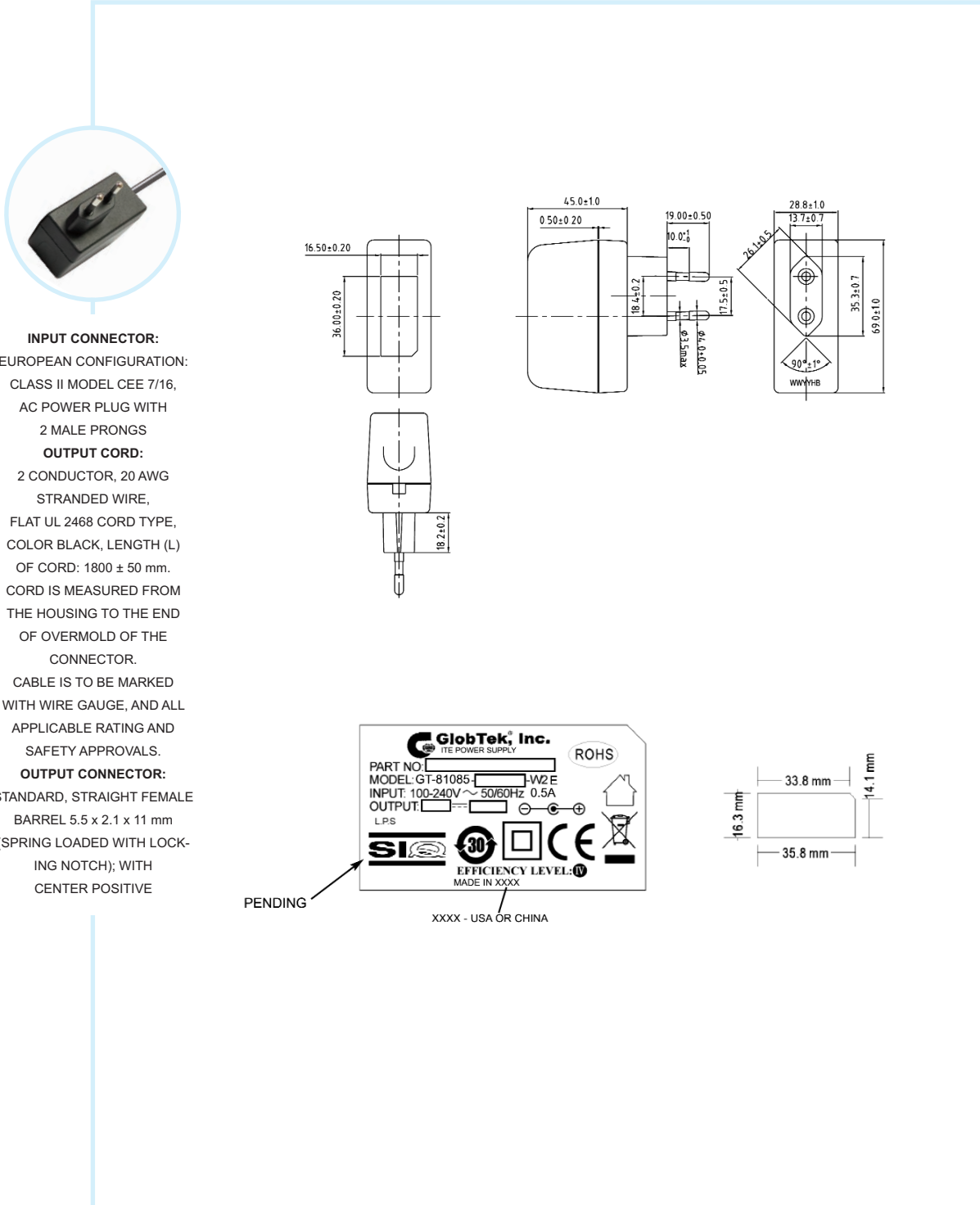


15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

LOWER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 69.0 x 28.8 x 45.0 + 1mm



INPUT CONNECTOR:

EUROPEAN CONFIGURATION:

CLASS II MODEL CEE 7/16,
AC POWER PLUG WITH
2 MALE PRONGS

OUTPUT CORD:

2 CONDUCTOR, 20 AWG
STRANDED WIRE,

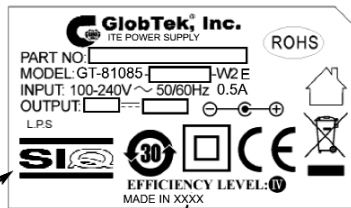
FLAT UL 2468 CORD TYPE,
COLOR BLACK, LENGTH (L)
OF CORD: 1800 ± 50 mm.

CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.

CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE
BARREL 5.5 x 2.1 x 11 mm
(SPRING LOADED WITH LOCK-
ING NOTCH); WITH
CENTER POSITIVE



PENDING

XXXX - USA OR CHINA



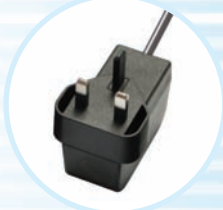


ISO 9001:2008
REGISTERED



15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
5-13.5 VDC

OUTPUT CURRENT:
2.5 M mA MAXIMUM, DEPENDING ON OUTPUT VOLTAGE,
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 90 mV MAX,WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH
0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE END OF THE
OUTPUT CONNECTOR.

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

EFFICIENCY AVERAGE:
CEC LEVEL IV 74% MIN. AT NOMINAL LINE

NO LOAD POWER CONSUMPTION:
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA)
AND ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
SECTION 301

SWITCHING FREQUENCY:
50 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL
OF FAULT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL
OF FAULT

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS(PENDING):
SIQ TO EN 60950 FOR CLASS II, CE CLASS II, CB

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY -
GROUND

LEAKAGE CURRENT:
≤ 0.25 mA AT 264 VAC INPUT

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED

CE MARK (PENDING):
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-
4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE
AND SECURITY ACT (EISA) COMPLIES WITH ENERGY STAR
TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER
2 (AUSTRALIA), CODE OF CONDUCT (EUROPE) 5.1 ~ 6.9V
WITH 1000 mm CABLE ONLY

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-20°C TO 60° C

HUMIDITY:
5% TO 95% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

1. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATED RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED
2. SINGLE OUTPUT VOLTAGES ARE AVAILABLE FROM 5.0 TO 7.5V AND FROM 9.0 TO 13.5V.
3. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM THE STANDARD BASE MODEL.
4. -W2U: STANDARD UK WALL PLUG IN MODEL WITH BS1363 PLUG CONFIGURATION

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81085-1507.5-2.5-X.X-W2U	5.0	0 - 2.5	0 - 15
GT-81085-1507.5-1.5-X.X-W2U	6.0	0 - 2.17	0 - 15
GT-81085-1507.5-W2U	7.5	0 - 1.73	0 - 15
GT-81085-1513.5-4.5-X.X-W2U	9.0	0 - 1.67	0 - 15
GT-81085-1513.5-1.5-X.X-W2U	12.0	0 - 1.25	0 - 15
GT-81085-1513.5-W2U	13.5	0 - 1.11	0 - 15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



15 Watt Low-Profile Wall Plug-In, Single Output, 5-13.5 VDC Switching Power Supply: N.A., Universal Input, ITE, Class II, Energy Star

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

LOWER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 69.0 x 49.0 x 53.7 + 1mm



INPUT CONNECTOR:

UK CONFIGURATION: CLASS II
MODEL BS1363, 3 PRONGS
MALE PLUG

OUTPUT CORD:

2 CONDUCTOR, 20 AWG
STRANDED WIRE,
FLAT UL 2468 CORD TYPE,
COLOR BLACK,
LENGTH (L) OF CORD:
1800 ± 50 mm.

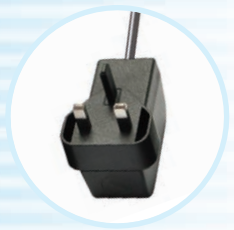
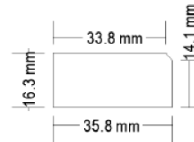
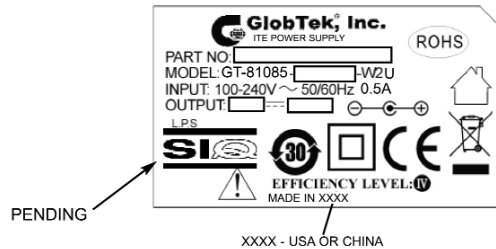
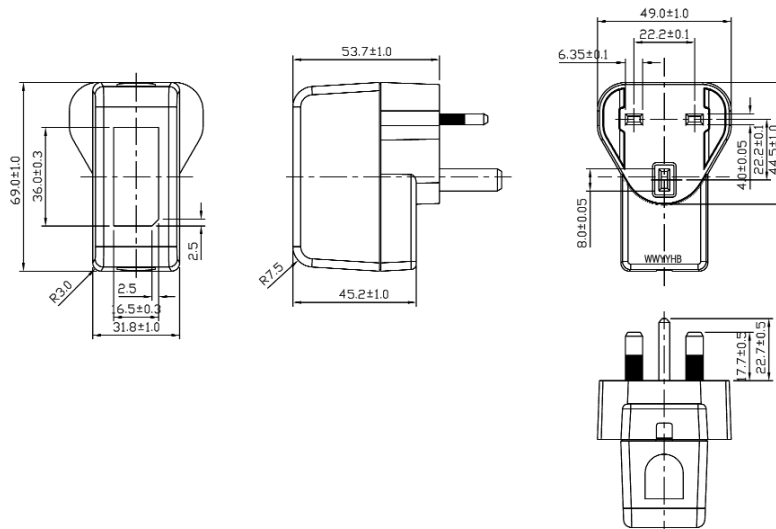
CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.

CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE
BARREL

5.5 x 2.1 x 11 mm (SPRING
LOADED WITH LOCKING
NOTCH); WITH
CENTER POSITIVE





ISO 9001:2008
REGISTERED

GT-91085



**Power over Ethernet (PoE) Active Injector/Midspan
IEEE 802.3AF Compliant**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264 VAC, 50-60 HZ

INPUT CURRENT:
<0.4 A@110 VAC

OUTPUT VOLTAGE:
-48 VDC

OUTPUT CURRENT:
0.32 A

MINIMUM LOAD:
NONE REQUIRED

LOAD REGULATION:
± 5% MAXIMUM

LINE REGULATION:
±1% MAXIMUM

RIPPLE:
2% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

NOISE:
5% MAXIMUM (DC TO 20MHZ TERMINATED WITH A 47UF CAPACITOR AND 0.1UF MPE CAPACITOR OF PROPER POLARITY)

OPERATION FREQUENCY:
100KHZ (MIN)

EFFICIENCY:
78% MIN @-48VIN DC

PROTECTION:
SHORT CIRCUIT PROTECTION: AUTORECOVERY WITHOUT DAMAGE TO PSU

CURRENT LIMITS:
150% RATED CURRENT MAXIMUM

ISOLATION VOLTAGE:
3000 VDC

ISOLATION RESISTANCE:
100 MOHMS (MIN)

THERMAL:
INTERNALLY PROTECTED AGAINST OVER-TEMPERATURE CONDITIONS

INTEROPERABILITY:
COMPLIES WITH IEEE 802.3 AF, TESTED BY UNH-IOL

EMI:
DESIGNED TO MEET FCC CLASS B , EN55022 CLASS B STANDARD

SAFETY:
DESIGNED TO MEET UL/EN/IEC 60950-1

OPERATION TEMPERATURE:
-0 - +60 DEGREE

STORAGE TEMPERATURE:
-10 - +70 DEGREE

OPERATION HUMIDITY:
5% - 90% RH

COOLING:
CONVECTION COOLING



**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91085-1548	+48.0	0.32	0 - 15
	+DATA		

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**Power over Ethernet (PoE) Active Injector/Midspan
IEEE 802.3AF Compliant**

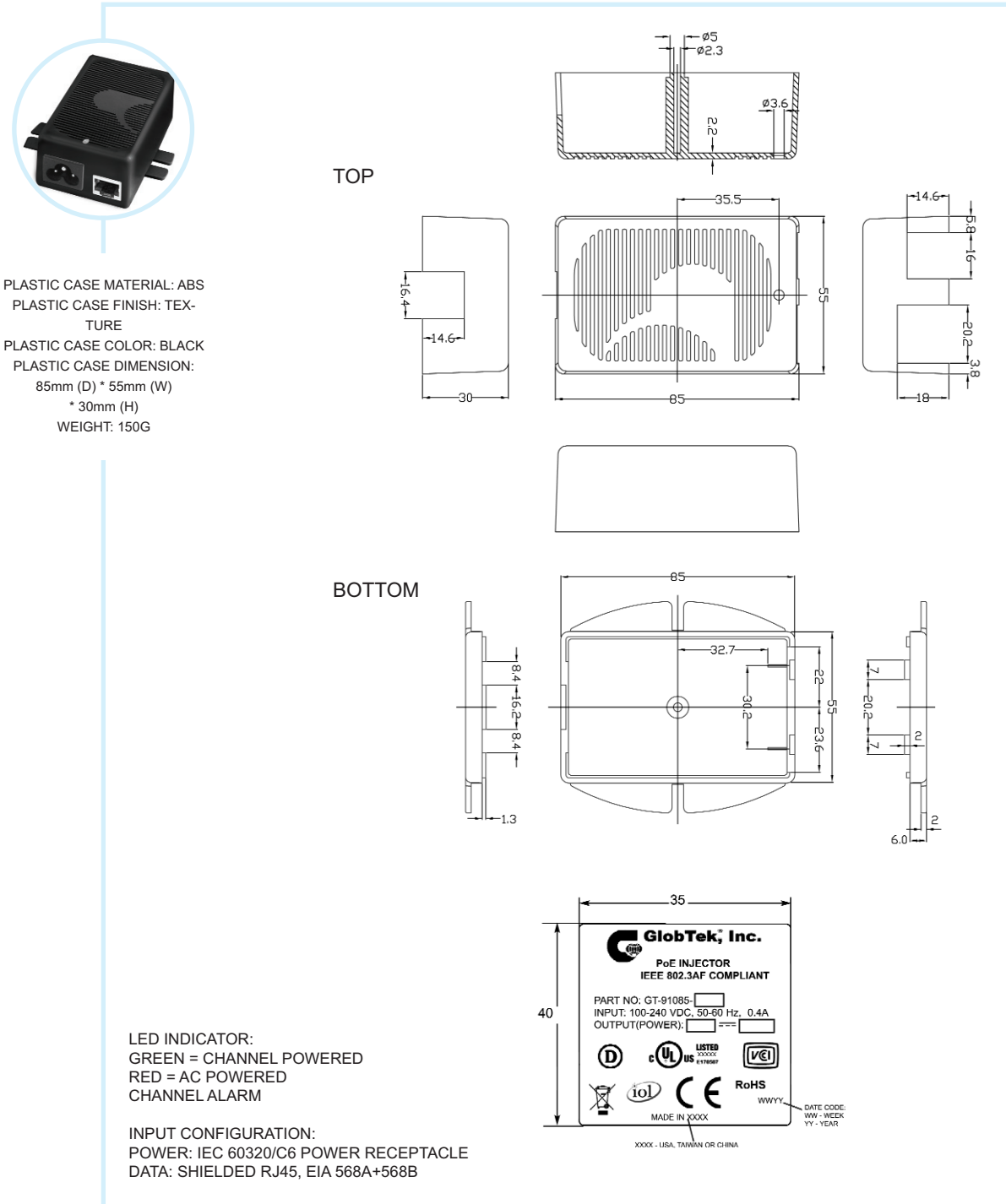
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MECHANICAL SPECIFICATIONS:

HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK





ISO 9001:2008
REGISTERED

GTD21088L-1505-T2



**15 Watts, DC/DC Desktop Switching Power Supply, 5V@2.5A,
Single Output Family, 10-32 VDC, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
10-32 VDC

INPUT CURRENT:
< 2.7A (R.M.S.)

OUTPUT VOLTAGE / CURRENT:
+ 5 V DC @ 0 - 2.5 A

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
15 WATTS MAX

SWITCHING FREQUENCY

**HIGH FREQUENCY OUTPUT RIPPLE
(PEAK TO PEAK):**
1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 0.5% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75% TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 I_o

OTHER PROTECTION:
INPUT FUSING

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0° TO 40° C

TEMPERATURE RISE:
≤ 70° C FOR RATED LOAD.

STORAGE TEMPERATURE:
-20° TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS 2:
COMPLIES WITH EU 2011/65/EU AND CHINA SJ/T 11363-2006

WEIGHT:
165 g

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD21088L-1505-T2	+5.0	0 - 2.5	0 - 15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



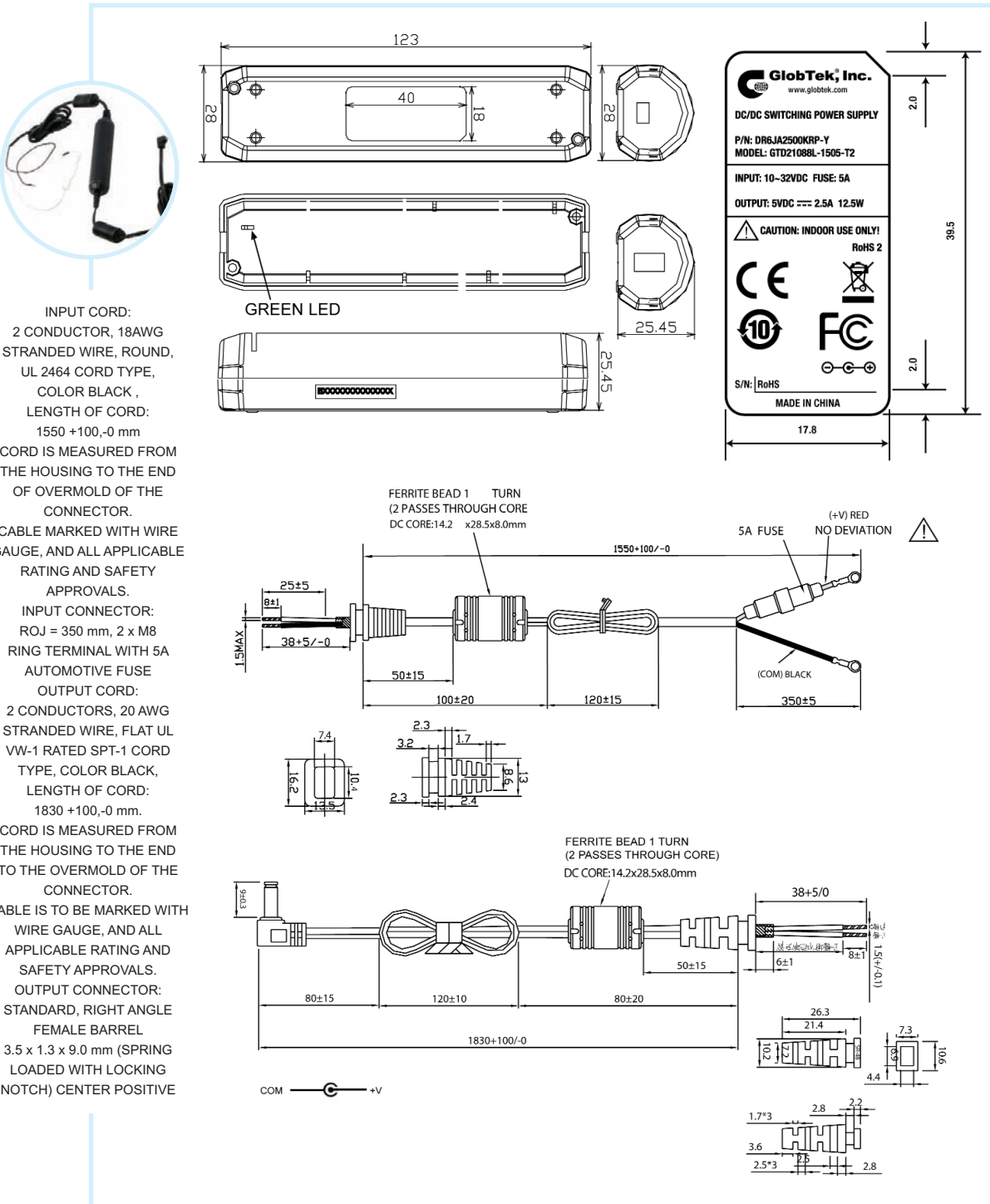
15 Watts, DC/DC Desktop Switching Power Supply, 5V@2.5A, Single Output Family, 10-32 VDC, ITE, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

DESKTOP, DUAL CORD
UPPER AND LOWER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 123(L)x28(W)x25.45mm(H) (LED:Green).



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**15 Watts, Switching Power Supply, Universal Input
12 Volts @ 1.25 Amps, Potted**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264 VAC

INPUT CURRENT:
0.6 AMP RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
12 VDC

OUTPUT CURRENT:
1.25 A, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
15 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
120mV MAX. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 μ F CERAMIC CAPACITOR IN PARALLEL WITH 10 μ F ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

PROTECTION

OVER-VOLTAGE:
PROTECTED WITH 16V ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<100 μ A AT 264 VAC INPUT VOLTAGE NORMAL CONDITION

AIR CREEPAGE/ CLEARANCE:
8 mm OR AS REQUIRED IN EN60601-1 STANDARD, 3rd EDITION

SAFETY APPROVAL(PENDING):
EN60601-1:2006 MEDICAL ELECTRICAL EQUIPMENT PART I: GENERAL REQUIREMENT FOR BASIC SAFETY AND ESSENTIAL PERFORMANCE, 3rd EDITION

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B, WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI TESTED TO COMPLY WITH EN60601-1-2: 2007 MEDICAL ELECTRIC EQUIPMENT PART 1-2: GENERAL REQUIREMENTS FOR BASIC SAFETY, ESSENTIAL PERFORMANCE. COLLATERAL STANDARD: ELECTROMAGNETIC COMPATIBILITY

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA) CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE, 5W LOAD

OPERATING TEMPERATURE:
0°C TO 50° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-20°C TO +55° C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41080-1812-C1	+12.00	0 - 1.25	18

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

**15 Watts, Switching Power Supply, Universal Input
12 Volts @ 1.25 Amps, Potted**

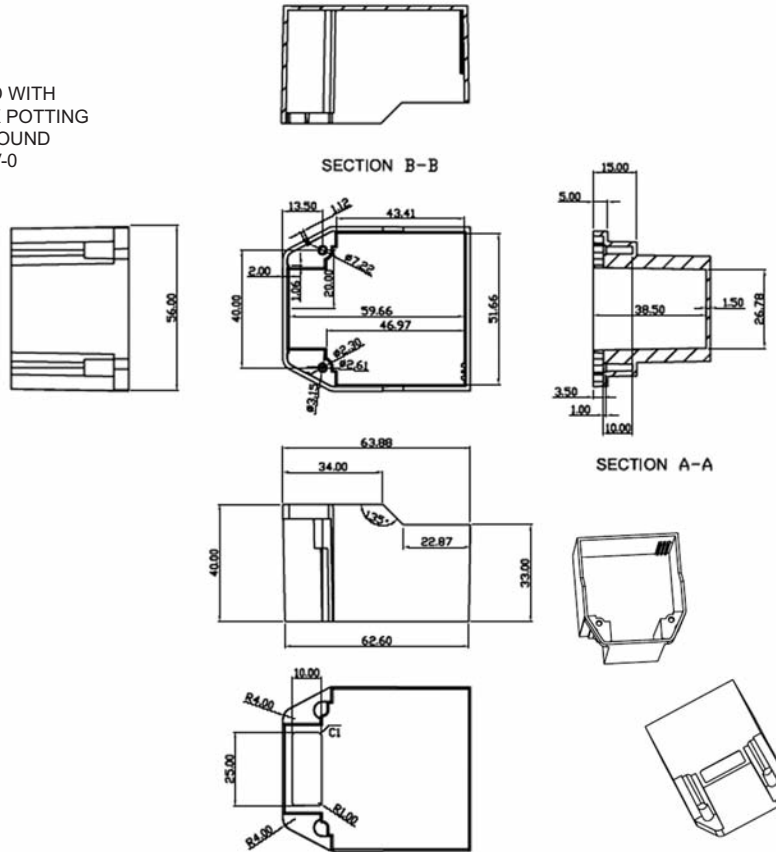
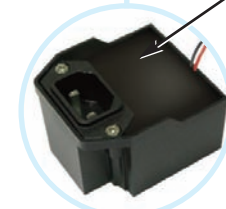
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



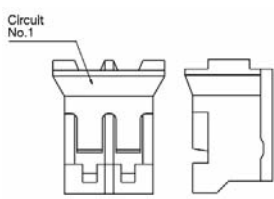
ENCLOSURE

MATERIAL: PC+ABS(C2950), 94V-0, RoHS
COLOR: BLACK
DIMENSIONS: SEE BELOW

FILLED WITH
BLACK POTTING
COMPOUND
UL94 V-0



OUTPUT CORD
AND CONNECTOR:
ACTUAL CONNECTOR, OVER-
MOLDS, FERRITES, MAY VARY
SLIGHTLY FROM THE
PICTURE BELOW
CABLE TYPE: UL 1007
CABLE LENGTH: 150 +10,-0 mm
WIRE GAUGE (AWG): 24 AWG
HANK DIMENSION: N/A
CABLE / CONNECTOR OVER-
MOLD COLOR: N/A
FERRITE TYPE / DIMENSION:
N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM
STRAIN RELIEF: N/A
FERRITE DIMENSION
FROM PLUG: N/A
PLUG TYPE: JST PHR-2
OVER MOLD ORIENTATION: N/A
PLUG DIMENSIONS: N/A
BARREL PLUG INTERNAL
SPRING CLIP: NO
BARREL PLUG LOCKING
NOTCH: NO
POLARITY:
PIN 1: (+), PIN 2: COM
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS:
N/A



GlobTek[®], Inc.
MEDICAL POWER SUPPLY

P/N: TR9ZE1250JSTMDB2554P
MODEL: GTM41080-1812-C1
INPUT: 100-240V~, 50-60Hz, 0.6A
OUTPUT: 12V \pm 1.25A

UL LISTED E336418
Energy Verified
RoHS
EFFICIENCY LEVEL V
PIN 1: +12VDC
PIN 2: COM
MADE IN CHINA (中国制造)
WWYY

PENDING





ISO 9001:2008
REGISTERED

**48V PoE Injector, Wall Plug-In Type with Changeable
AC Blades, with RJ45 Built-In LEDs, IEEE 802.3af Compliant**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90-264 VAC, 50-60 HZ
- INPUT CURRENT:**
<0.5 A@90 VAC
- OUTPUT VOLTAGE:**
48 VDC
- OUTPUT CURRENT:**
0.32 A MAXIMUM
- OUTPUT POWER:**
15.4W
- LOAD REGULATION:**
± 5% MAXIMUM
- LINE REGULATION:**
± 1% MAXIMUM
- RIPPLE AND NOISE:**
2% MAXIMUM (DC TO 20MHZ TERMINATED WITH A
47µF ELECTROLYTIC CAPACITOR AND 0.1µF CERAMIC
CAPACITOR)
- OPERATING FREQUENCY:**
68 KHZ TYPICAL
- EFFICIENCY:**
80% TYPICAL AT FULL LOAD
- PROTECTION:**
SHORT CIRCUIT PROTECTION: AUTORECOVERY WITHOUT
DAMAGE TO PSU

- CURRENT LIMITS:**
PER IEEE 802-3AF REQUIREMENT
- ISOLATION VOLTAGE:**
4242 VDC PRIMARY TO SECONDARY
2121 VDC SECONDARY TO EARTH GROUND
- INTEROPERABILITY:**
COMPLIES WITH IEEE 802.3AF
- SAFETY:**
EMI (PENDING): TESTED TO COMPLY WITH EN55022,
EN61000-3-2, EN61000-3-3, EN55024, INCLUDING EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11.
- SAFETY (PENDING):**
UL/EN/IEC 60950-1, DEMKO TO EN60950-1, CE, CLASS I, VCCI
- ENVIRONMENTAL:**
OPERATION TEMPERATURE: -0°C TO +40°C
STORAGE TEMPERATURE: -10°C TO +70°C
OPERATION HUMIDITY: 5% - 90% RH
COOLING: CONVECTION COOLING
- RoHS:**
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91085-1548	+48.0	0.32	0 - 15.4
	+DATA		

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



48V PoE Injector, Wall Plug-In Type with Changeable AC Blades, with RJ45 Built-In LEDs, IEEE 802.3af Compliant

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MECHANICAL SPECIFICATIONS:

PLASTIC CASE MATERIAL: ABS
PLASTIC CASE COLOR: BLACK
PLASTIC CASE DIMENSION: 107.68MM * 53.47MM * 38.70MM

INPUT CONFIGURATION:
CHANGEABLE AC BLADES. UK BLADE SHOWN. BLADES FOR OTHER COUNTRIES AVAILABLE. CALL FOR DETAILS.

RJ45 PIN ASSIGNMENTS:		
PIN	DATA RJ45	DATA + POWER RJ45
1	RX +	RX +
2	RX -	RX -
3	TX +	TX +
4	N/C	48V
5	N/C	48V
6	TX -	TX -
7	N/C	COM
8	N/C	COM

RJ45 LED INDICATORS:	
GREEN	PINS 4/5, 7/8 POWERED
RED	PINS 4/5, 7/8 NOT POWERED

Bottom View Labels:
 38^{+0.2}
 C3
GlobTek, Inc.
PoE INJECTOR
IEEE 802.3af COMPLIANT
 P/N: GT910851548W3R1LED
 MODEL: GT-91085-1548-W3-R1LED
 INPUT: 100-240VAC, 50-60 Hz, 0.5A MAX.
 OUTPUT: 48VDC 0.32A
 RoHS
 CE
 UL LISTED 1004 E17667
 MADE IN XXXX
 WWWW
 XXXX - USA OR CHINA
 DATE CODE WW - WEEK YY - YEAR
 Pending





ISO 9001:2008
REGISTERED

GT-41062



**18 Watts, Wall Plug-In Switching Power Supply,
N.A., EURO. UK, SAA Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90-264 VAC
- INPUT CURRENT:**
< 0.6 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE TABLE BELOW
- OUTPUT CURRENT:**
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
18 WATTS MAX
- SWITCHING FREQUENCY**
- OUTPUT RIPPLE (PEAK TO PEAK):**
100 mV
- OUTPUT REGULATION (LINE/LOAD):**
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+1 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERSHOOT:**
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
3000 mSEC MAX
- HOLD-UP TIME:**
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
30 A MAX AT COLD START 120 VAC, 60A MAX
COLD START 230VAC
- SWITCHING FREQUENCY:**
66.5 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
- OVER-CURRENT / SHORT CIRCUIT:**
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO
- OTHER PROTECTION:**
INPUT FUSING
- SAFETY APPROVALS:**
UL60950-1, CUL TO 22.2# 950, INNOVA TO EN60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2003, AS/NZ TO 60950-1, CE CLASS II, PSE TO J60950, CB REPORT
- DIELECTRIC WITHSTAND VOLTAGE:**
3000VAC PRIMARY-SECONDARY



LEAKAGE CURRENT:

- < 0.25 mA
- LINE SURGE:**
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 CLASS B, VCCI AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK. C-TICK TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992

EFFICIENCY:
7.0 V AND ABOVE COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

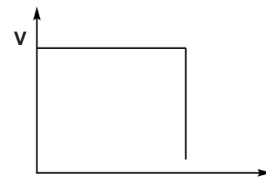
STORAGE TEMPERATURE:
-40°C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS:
COMPLIES WITH 2002/95/EC

WEEE:
COMPLIES WITH 2002/96/EC

- NOTES:**
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE
1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 5VDC-24VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41062-1505	WR9QA3200XXX-N	+5.0	0 - 3.0	0 - 15
GT-41062-1806-X.X	WR9QB3000XXX-N	+6.0	0 - 3.0	0 - 18
GT-41062-1807-X.X	WR9QC2570XXX-N	+7.0	0 - 2.57	0 - 18
GT-41062-1809-X.X	WR9QD2000XXX-N	+9.0	0 - 2.0	0 - 18
GT-41062-1812-X.X	WR9QE1500XXX-N	+12.0	0 - 1.5	0 - 18
GT-41062-1815-X.X	WR9QG1200XXX-N	+15.0	0 - 1.2	0 - 18
GT-41062-1818-X.X	WR9QH1000XXX-N	+18.0	0 - 1.0	0 - 18
GT-41062-1820-X.X	WR9QZ900XXX-N	+20.0	0 - 0.9	0 - 18
GT-41062-1824-X.X	WR9Q750XXX-N	+24.0	0 - 0.75	0 - 18

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



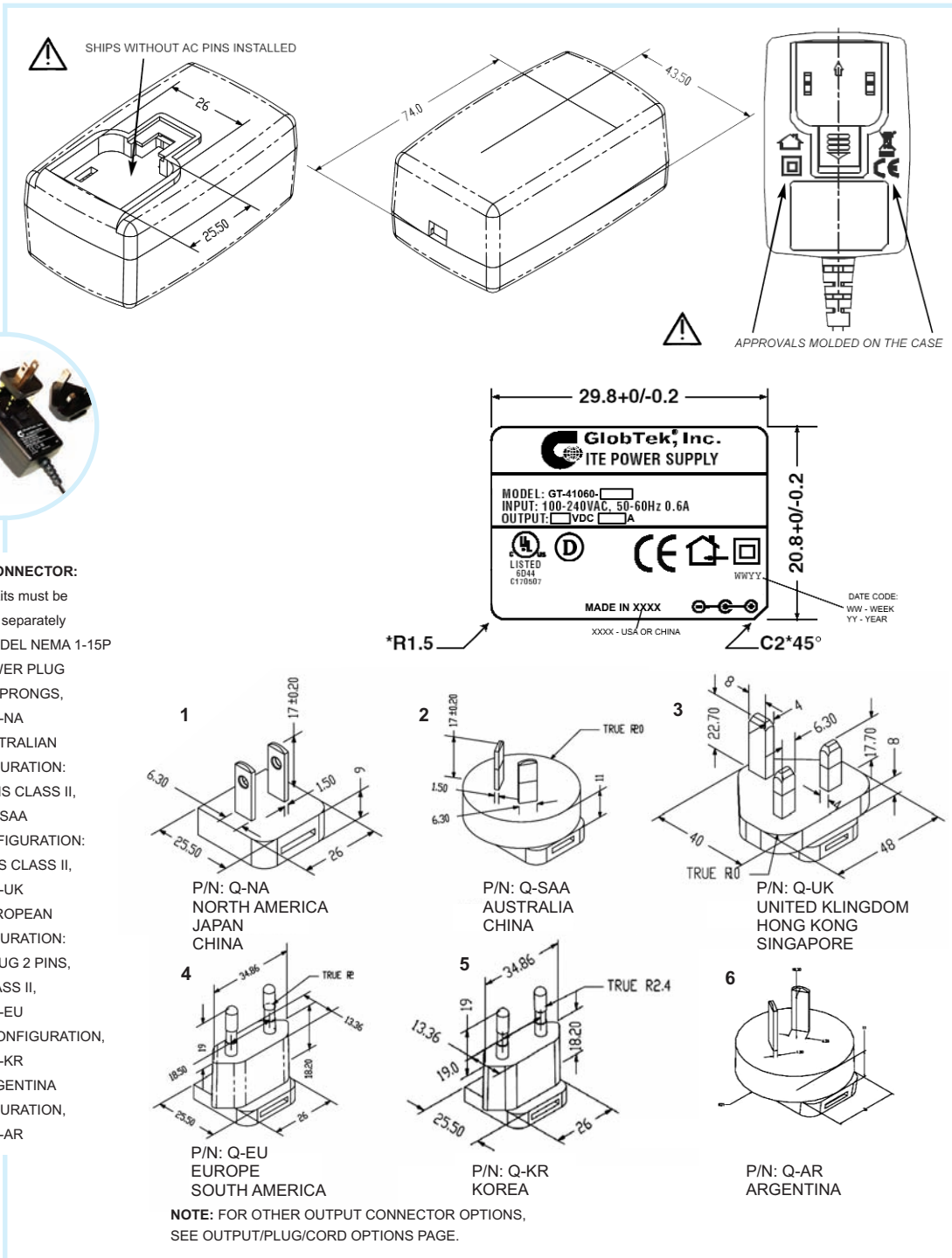
18 Watts, Wall Plug-In Switching Power Supply, N.A., EURO, UK, SAA Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 74 x 43.5 x 34 mm



INPUT CONNECTOR:

Pins or Kits must be ordered separately

1. CLASS II MODEL NEMA 1-15P
AC POWER PLUG WITH 2 PRONGS,
Q-NA
2. AUSTRALIAN CONFIGURATION:
SAA 2 PINS CLASS II,
Q-SAA
3. UK CONFIGURATION:
UK 2 PINS CLASS II,
Q-UK
4. EUROPEAN CONFIGURATION:
EUROPLUG 2 PINS,
CLASS II,
Q-EU
5. KOREAN CONFIGURATION,
Q-KR
6. ARGENTINA CONFIGURATION,
Q-AR



ISO 9001:2008
REGISTERED



**18 Watts, Switcher, Single Output Family, DeskTop and Wall
Plug-In: N.A., EURO, U.K., SAA Universal Input, ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 TO 264 VAC

INPUT CURRENT:
<0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

RATED OUTPUT POWER:
18 WATTS, MAXIMUM

OUTPUT REGULATION:
+/-5% MEASURED AT THE OUTPUT CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

HIGH FREQ. OUTPUT RIPPLE:
1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115Vac INPUT AND 40A TYP. AT 230Vac INPUT

SWITCHING FREQUENCY:
100KHZ TYPICAL, VARIES WITH LINE AND LOAD

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

PROTECTION

OVER-VOLTAGE:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVERLOAD:
CONSTANT CURRENT METHOD

SHORT CIRCUIT:
MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL
AUTORECOVER UPON REMOVAL OF SHORT

INPUT PROTECTION:
INPUT FUSING: LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
FOR CLASS II WITH FUNCTIONAL

EARTH VERSIONS:
4242Vdc FROM PRIMARY TO SECONDARY

FOR CLASS II VERSIONS:
4242Vdc FROM PRIMARY TO SECONDARY

EARTH LEAKAGE CURRENT:
< 300uA at 264Vac INPUT VOLTAGE

APPROVALS:
ITE UNITS: UL60950-1, CUL TO 22.2#60950-1, INNOVA GS TO 60950-1, CCC (T3, T3A ONLY) TO GB4943-2001, GB9254-1998, GB17625.1-2003, CE CLASS I, AS/NZ 60950, PSE TO J60950, CB REPORT, VCCI

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4.

MTBF:
GREATER THAN 200,000 HOURS AT 25C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD PER MIL-217 STANDARD

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO 80°C

NOTES:
OUTPUT VOLTAGE CAN BE CONFIGURED FROM 5V TO 24V IN 0.1V INCREMENTS

LEGEND:
G-T4: INFORMATION TECHNOLOGY EQUIPMENT (ITE) SERIES
1062: FAMILY DESIGNATION
T3A/T3/T2: DESK TOP 3PIN/2PIN
1805 TO1824: POWER
X.X: IS AN OPTION FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL SUBSTRACTING X.X VOLTS FROM STANDARD OUTPUT

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
CLASS I MODEL OUTPUT RATING			
GT-41062-1805-X.X-T3(T3A)	+ 5.0	0 - 3.60	0 -18
GT-41062-1805-X.X-T3(T3A)	+ 6.0	0 - 3.00	0 -18
GT-41062-1809-X.X-T3(T3A)	+ 9.0	0 - 2.00	0 -18
GT-41062-1812-X.X-T3(T3A)	+ 12.0	0 - 1.50	0 -18
GT-41062-1815-X.X-T3(T3A)	+ 15.0	0 - 1.20	0 -18
GT-41062-1818-X.X-T3(T3A)	+ 18.0	0 - 1.00	0 -18
GT-41062-1824-X.X-T3(T3A)	+ 24.0	0 - 0.75	0 -18
CLASS II ITE MODEL OUTPUT RATING			
GT-41062-1805-X.X-T2	+ 5.0	0 - 3.60	0 -18
GT-41062-1805-X.X-T2	+ 6.0	0 - 3.00	0 -18
GT-41062-1809-X.X-T2	+ 9.0	0 - 2.00	0 -18
GT-41062-1812-X.X-T2	+ 12.0	0 - 1.50	0 -18
GT-41062-1815-X.X-T2	+ 15.0	0 - 1.20	0 -18
GT-41062-1818-X.X-T2	+ 18.0	0 - 1.00	0 -18
GT-41062-1824-X.X-T2	+ 24.0	0 - 0.75	0 -18

ALL MODELS WITH OUTPUT VOLTAGES AVAILABLE IN 0.1V INCREMENTS FROM 5V-24V

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



18 Watts, Switcher, Single Output Family, DeskTop and Wall Plug-In: N.A., EURO, U.K., SAA Universal Input, ITE, Class I & II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



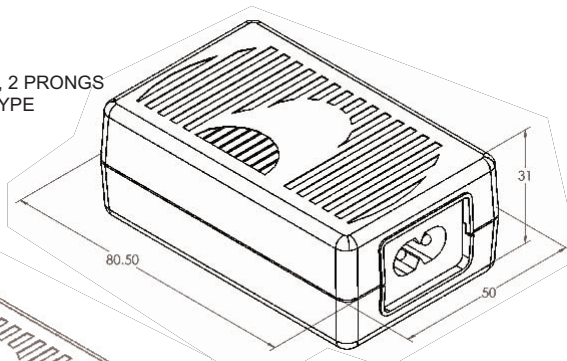
ENCLOSURE

CONFIGURATION:

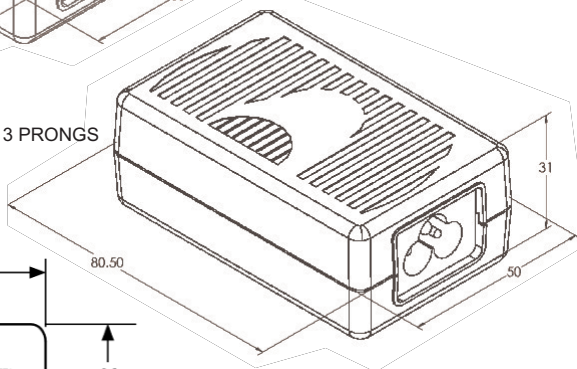
HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



INPUT PLUG (-T2):
CONFIGURATION: IEC 60320/C8, 2 PRONGS MALE RECEPTACLE, CLASS II TYPE
SIZE: 80.5 x 50 x 31 mm



INPUT PLUG (-T3):
CONFIGURATION: IEC 60320/C14, 3 PRONGS MALE RECEPTACLE, CLASS I TYPE
SIZE: 80.5 x 50 x 31 mm



INPUT PLUG (-T3A):
CONFIGURATION: IEC 60320/C6, 3 PRONGS MALE PLUG, CLASS I TYPE
SIZE: 80.5 x 50 x 31 mm

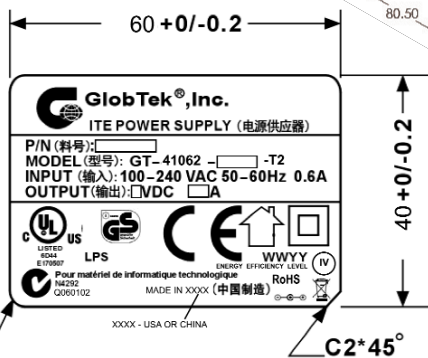
OUTPUT CONNECTOR:
STANDARD, RIGHT ANGLE FEMALE BARREL 5.5 x 2.5 x 11 mm WITH CENTER POSITIVE:
OUTPUT CORD (5.0V~5.9V):
1 CONDUCTOR + SHIELD, 18 AWG STRANDED WIRE, ROUND # 1185, COLOR BLACK, LENGTH (L) OF CORD:

1219 +150, -0 mm.

CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR.

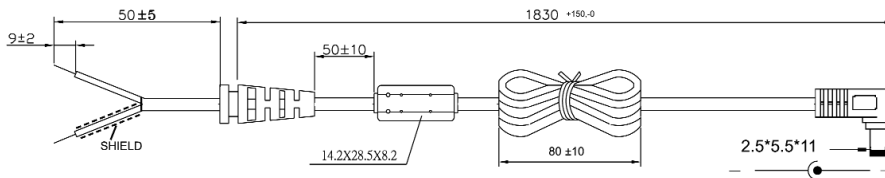
CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS. CABLE HAS MOLDED INLINE FERRITE.

OUTPUT CONNECTOR:
STANDARD, RIGHT ANGLE FEMALE BARREL 5.5 x 2.5 x 11 mm WITH CENTER POSITIVE:



3*R1.5

C2*45°



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED

GT-41080/GT-41081



**18 Watts, Switching Power Supply, Wall Plug-In
Interchangeable Blade, Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 130)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
100-240 VAC
- INPUT CURRENT:**
0.6 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE CHART BELOW
- OUTPUT CURRENT:**
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION
- OUTPUT POWER (RATED):**
18 WATTS MAX
- OUTPUT RIPPLE (PEAK TO PEAK):**
100 mV
- OUTPUT REGULATION (LINE/LOAD):**
+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE
- TURN ON/ TURN OFF OVERTHOOT:**
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SECOND, TYPICAL
- HOLD-UP TIME:**
8mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
- INRUSH CURRENT:**
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT
- SWITCHING FREQUENCY:**
65 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT
- OVER-CURRENT / SHORT CIRCUIT:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- INPUT:**
INPUT LINE FUSING

SAFETY APPROVALS:

UL60950-1, CUL TO 22.2 #60950-1, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

LEAKAGE CURRENT:
<3.5 mA AT 240 VAC INPUT VOLTAGE

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998, A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N, EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CEC TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

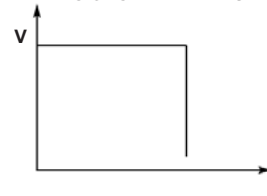
OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-10°C TO -80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41080-1817.9-X.X		+9.0	0 - 2.0	0 - 18
GT-41080-1817.9-X.X		+12.0	0 - 1.5	0 - 18
GT-41080-1817.9-X.X		+15.0	0 - 1.2	0 - 18
GGT-41080-1824-X.X		+18.0	0 - 1.0	0 - 18
GT-41080-1824-X.X		+20.0	0 - 0.9	0 - 18
GT-41080-1824-X.X		+24.0	0 - 0.75	0 - 18
GT-41081-1805		+5.0	0 - 3.0	0 - 15
GT-41081-1806		+6.0	0 - 3.0	0 - 18
GT-41081-1809		+9.0	0 - 2.0	0 - 18
GT-41081-1505		+5.0	0 - 2.6	0 - 13
GT-41081-1506		+6.0	0 - 2.5	0 - 15
GT-41081-1509		+9.0	0 - 1.7	0 - 15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



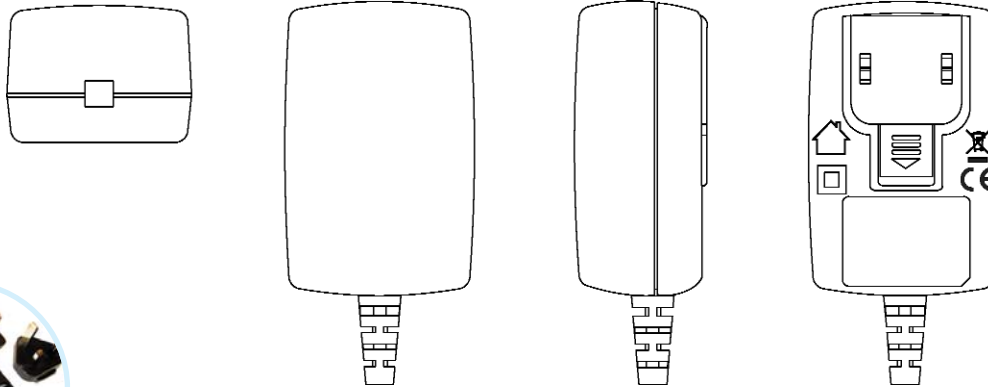
18 Watts, Switching Power Supply, Wall Plug-In Interchangeable Blade, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 130)



ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COOL GRAY PANTONE # 11C
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COOL GRAY PANTONE # 11C
SIZE: 43.5 x 74 x 35.3 mm



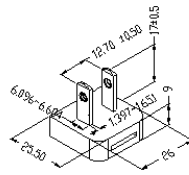
INPUT CONNECTORS:

STANDARD BLACK COLO COOL GRAY PANTONE # 11C (OPTIONAL) ADD -GY TO THE END OF THE P/N

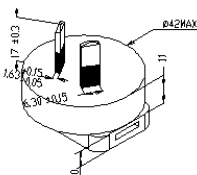
AC INPUT -

INTERCHANGEABLE BLADES
INTERCHANGEABLE BLADES OR KITS MUST BE ORDERED SEPARATELY

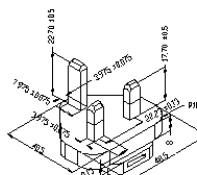
1. CLASS II MODEL NEMA 1-15P: AC POWER PLUG WITH 2 PRONGS, Q-NA(R)
2. AUSTRALIAN CONFIGURATION: 2 PINS CLASS II, Q-SAA(R)
3. UK CONFIGURATION: 2 PINS, CLASS II, Q-UK(R)
4. EUROPEAN CONFIGURATION: 2 PINS, CLASS II, Q-EU(R)
5. KOREAN CONFIGURATION: 2 PINS, CLASS II, Q-KR(R)
6. ARGENTINA CONFIGURATION: 2 PINS, CLASS II, Q-AR(R)
7. CHINA CONFIGURATION: 2 PINS, CLASS II, Q-CN(R)
8. INDIA CONFIGURATION: 2 PINS CLASS II, Q_IN(R)
9. IEC 320 INLET CONNECTOR: Q-C18(R)



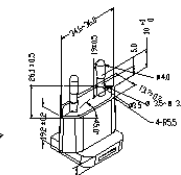
P/N Q-NA(R)
NORTH AMERICA
JAPAN



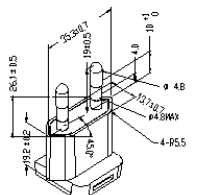
P/N Q-SAA(R)
AUSTRALIA



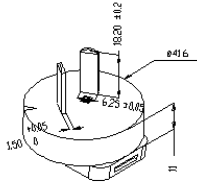
P/N Q-SAA(R)
AUSTRALIA



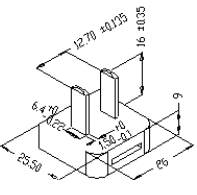
P/N Q-EU(R)
EUROPE
SOUTH AMERICA



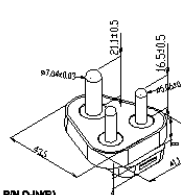
P/N Q-KR(R)
KOREA



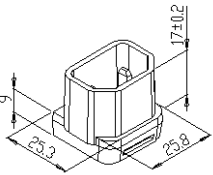
P/N Q-AR(R)
ARGENTINA



P/N Q-CN(R)
CHINA



P/N Q-IN(R)
INDIA
SOUTH AFRICA



P/N Q-C18(R)
IEC 320 INLET CONNECTOR

GlobTek® ,Inc.
ITE POWER SUPPLY (電源装置)

P/N (料号): XXXXXXXXXXXXXXXX
MODEL (型号): GT-41080-18V
INPUT (输入): 入力: 100-240V~, 50-60Hz, 0.6A, 34VA
OUTPUT (输出): 出力: 12V = 1.5A

N4292 Q060102 EFFICIENCY LEVEL V MADE IN CHINA (中国制造)

PENDING

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED

GTM41080



**Wall Plug-In Switching Power Supply, 18 Watts, 2MOPP
Interchangeable Blade, Universal Input, Medical/Household Use, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
18 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
< 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 1% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 MSEC MAX

HOLD-UP TIME:
16 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
OVER-CURRENT / SHORT CIRCUIT: HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

NO LOAD POWER CONSUMPTION:
< 1 W @ 230 V

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
ETL TO UL60601-1, UL130, CUL TO 22.2# 601, SEMKO TO EN60601-1, EN60335-1, CE CLASS II, PSE TO J60950, GOST-R, UKRAINE, CB REPORT, VCCI

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
≤ 100 MA @ 240 VAC

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE.

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41080-WWWV-X.X

WHERE:

41080: SERIES CODE
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" = CONSTANT CURRENT OPTION
WW = DENOTES RATED WATTAGE
(VV) = RATED VOLTAGE
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

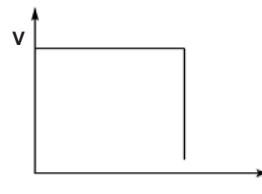
PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:
XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

"CC", CONSTANT CURRENT OPTION PERFORMANCE:



V = RATED V0
I = RATED IO
ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41080 (-or CC) 1805-X.X-W2	WR9QA3600XXX-C-HM	+5.00	0 - 3.60	0 - 18
GTM41080 (-or CC) 1806-X.X-W2	WR9QB2800XXX-C-HM	+6.00	0 - 2.80	0 - 18
GTM41080 (-or CC) 1807-X.X-W2	WR9QC2570XXX-C-HM	+7.00	0 - 2.57	0 - 18
GTM41080 (-or CC) 1809-X.X-W2	WR9QD2000XXX-C-HM	+9.00	0 - 2.00	0 - 18
GTM41080 (-or CC) 1812-X.X-W2	WR9QE1500XXX-C-HM	+12.00	0 - 1.50	0 - 18
GTM41080 (-or CC) 1815-X.X-W2	WR9QG1200XXX-C-HM	+15.00	0 - 1.20	0 - 18
GTM41080 (-or CC) 1818-X.X-W2	WR9QH1000XXX-C-HM	+18.00	0 - 1.00	0 - 18
GTM41080 (-or CC) 1820-X.X-W2	WR9QZ900XXX-C-HM	+20.00	0 - 0.90	0 - 18
GTM41080 (-or CC) 1824-X.X-W2	WR9QI750XXX-C-HM	+24.00	0 - 0.75	0 - 18
GTM41080 (-or CC) 1830-X.X-W2	WR9QR600XXX-C-HM	+30.00	0 - 0.60	0 - 18
GTM41080 (-or CC) 1836-X.X-W2	WR9QR500XXX-C-HM	+36.00	0 - 0.50	0 - 18
GTM41080 (-or CC) 1848-X.X-W2	WR9QR375XXX-C-HM	+48.00	0 - 0.375	0 - 18

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



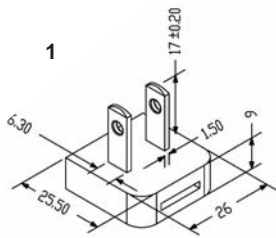
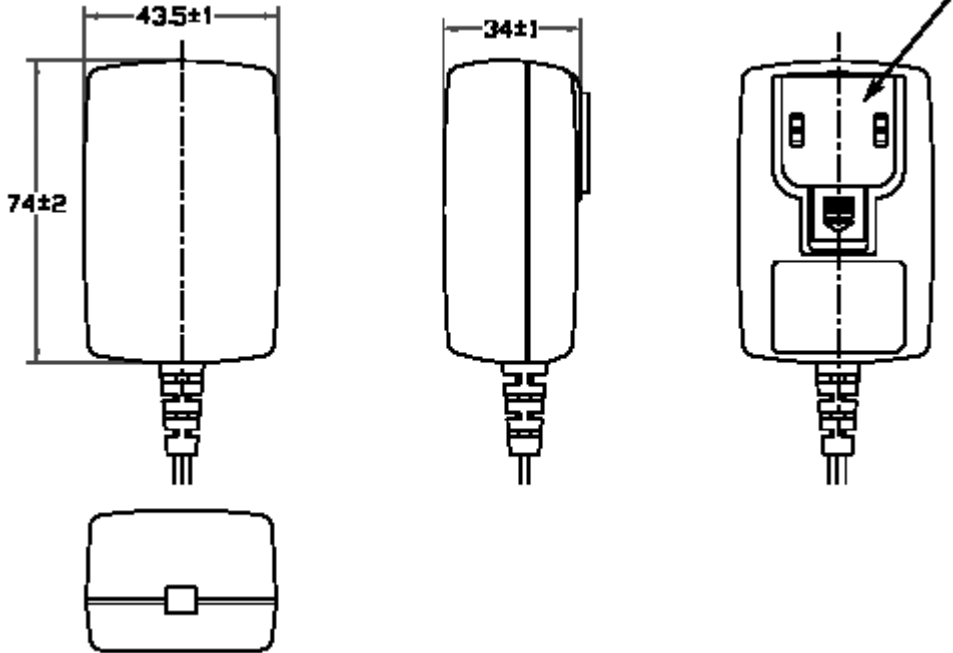
**Wall Plug-In Switching Power Supply, 18 Watts, 2MOPP
Interchangeable Blade, Universal Input, Medical/Household Use, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

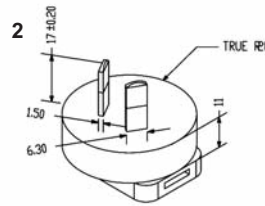


ENCLOSURE

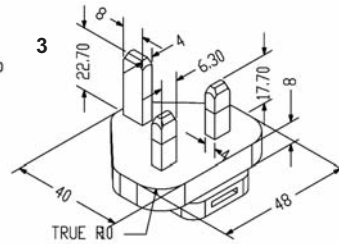
UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 74 x 43.5 x 34 ± 1 mm



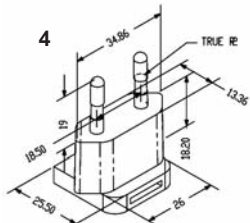
P/N: Q-NA



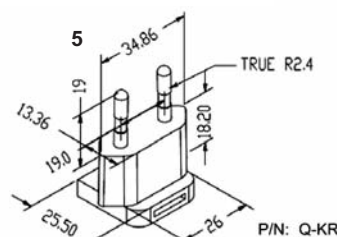
P/N: Q-SAA



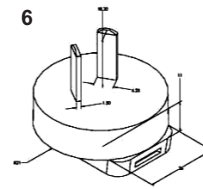
P/N: Q-UK



P/N: Q-EU



P/N: Q-KR



P/N: Q-AR

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.

- INPUT CONNECTOR:**
N.A. CONFIGURATION:
- CLASS II MODEL NEMA 1-15P AC POWER RECEPTACLE WITH 2 PRONGS
 - AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II
 - UK CONFIGURATION: UK 2 PINS CLASS II
 - EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II





ISO 9001:2008
REGISTERED



**Switching Power Supply, 18 Watts, 2MOPP
Open Frame, Universal Input, Medical/Household Use, Class I or Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
18 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
< 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 1 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 MSEC MAX

HOLD-UP TIME:
16 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
OVER-CURRENT / SHORT CIRCUIT: HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

NO LOAD POWER CONSUMPTION:
< 1 W @ 230 V

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
ETL TO UL60601-1, UL1310, CUL TO 22.2# 601, SEMKO TO EN60601-1, EN60335-1, CE CLASS I OR CLASS II, PSE TO J60950, GOST-R, UKRAINE, CB REPORT, VCCI

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
≤ 100 MA @ 240 VAC

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE.

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41080-WWWV-X.X-F

WHERE:

41080: SERIES CODE
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" = CONSTANT CURRENT OPTION
WW = DENOTES RATED WATTAGE
(VV) = RATED VOLTAGE
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR
(-F)= OPEN FRAME

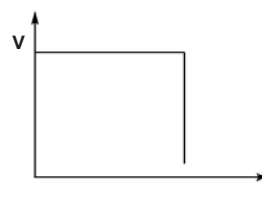
PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

"CC", CONSTANT CURRENT OPTION PERFORMANCE:



V = RATED VO
I = RATED IO
ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41080 (-or CC) 1805-X.X-F	+5.00	0 - 3.60	0 - 18
GTM41080 (-or CC) 1806-X.X-F	+6.00	0 - 2.80	0 - 18
GTM41080 (-or CC) 1807-X.X-F	+7.00	0 - 2.57	0 - 18
GTM41080 (-or CC) 1809-X.X-F	+9.00	0 - 2.00	0 - 18
GTM41080 (-or CC) 1812-X.X-F	+12.00	0 - 1.50	0 - 18
GTM41080 (-or CC) 1815-X.X-F	+15.00	0 - 1.20	0 - 18
GTM41080 (-or CC) 1818-X.X-F	+18.00	0 - 1.00	0 - 18
GTM41080 (-or CC) 1820-X.X-F	+20.00	0 - 0.90	0 - 18
GTM41080 (-or CC) 1824-X.X-F	+24.00	0 - 0.75	0 - 18
GTM41080 (-or CC) 1830-X.X-F	+30.00	0 - 0.60	0 - 18
GTM41080 (-or CC) 1836-X.X-F	+36.00	0 - 0.50	0 - 18
GTM41080 (-or CC) 1848-X.X-F	+48.00	0 - 0.375	0 - 18

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



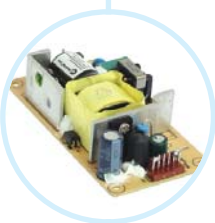
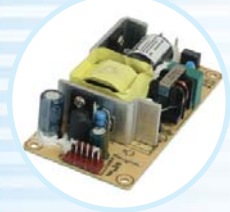
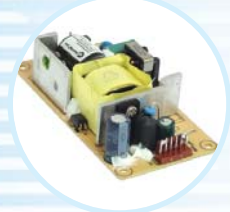
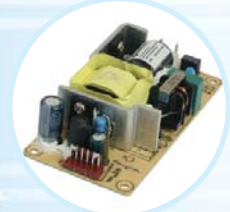
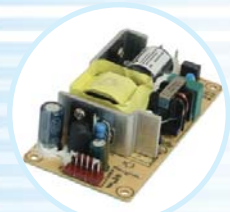
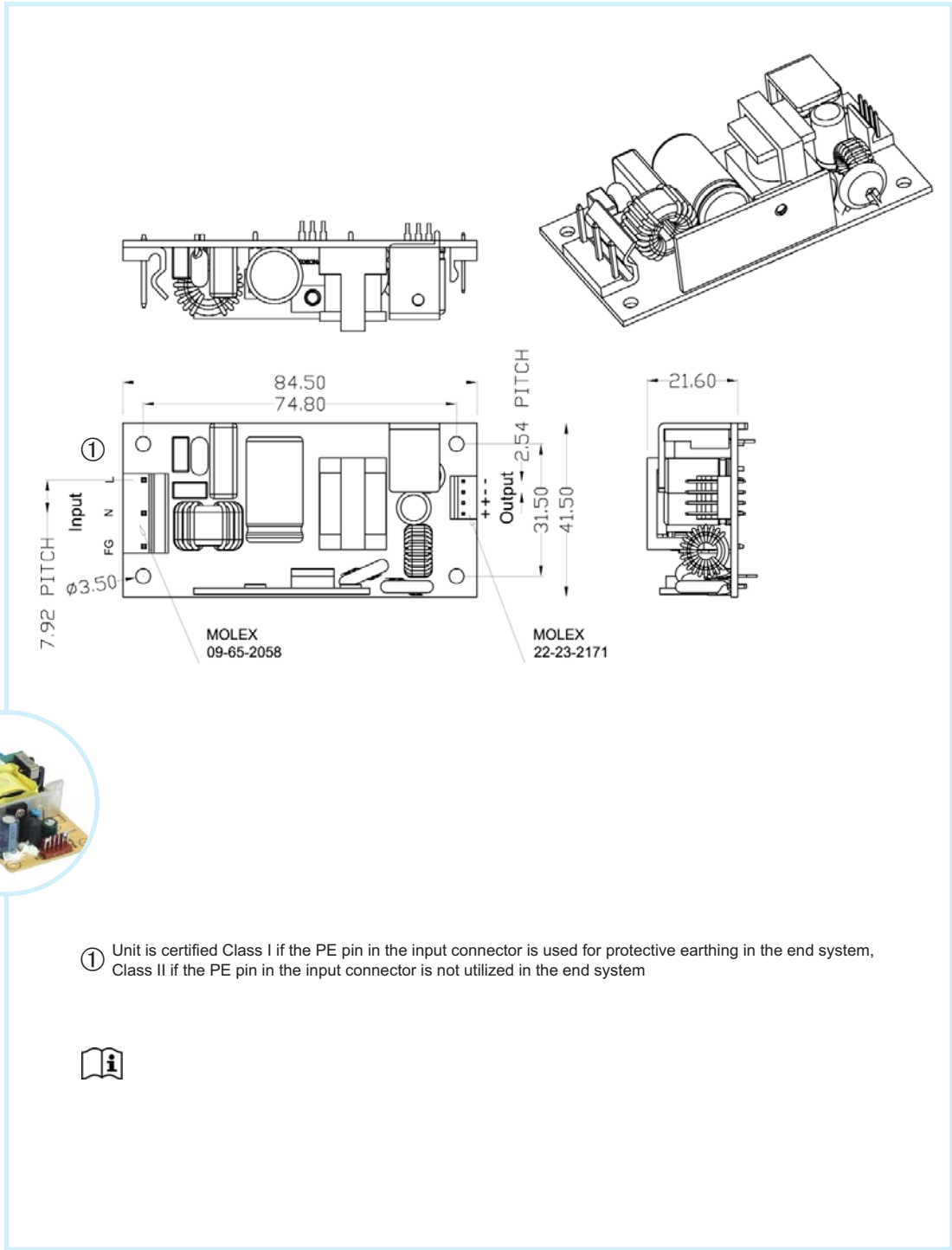
Switching Power Supply, 18 Watts, 2MOPP Open Frame, Universal Input, Medical/Household Use, Class I or Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



MECHANICAL

SIZE: 84.5 x 41.5 x 21.6





ISO 9001:2008
REGISTERED



**18 Watts, Switcher, Single Output Family, DeskTop
Universal Input, ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
100 VAC TO 240 VAC
- INPUT CURRENT:**
<0.6 A RMS MAX
- INPUT FREQUENCY:**
47 HZ - 63 HZ
- OUTPUT VOLTAGE:**
SEE CHART BELOW
- OUTPUT CURRENT:**
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION
- RATED OUTPUT POWER:**
18 WATTS, MAXIMUM
- OUTPUT LOAD REGULATION:**
+/- 5% MEASURED AT O/P CONNECTOR
- LINE VOLTAGE REGULATION:**
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT
20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN
PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE
- TURN-ON/TURN-OFF OVERSHOOT:**
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SECOND, TYPICAL
- HOLD-UP TIME:**
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD
- INRUSH CURRENT:**
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT
- SWITCHING FREQUENCY:**
65 KHz TYPICAL
- OVER-VOLTAGE:**
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT
- SHORT CIRCUIT:**
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT
- INPUT:**
INPUT LINE FUSING

- DIELECTRIC WITHSTAND VOLTAGE:**
4242 VDC FROM PRIMARY TO SECONDARY
- EARTH LEAKAGE:**
<3.5 mA AT 240 VAC INPUT VOLTAGE
- SAFETY APPROVAL:**
UL60950-1, CUL TO 22.2 2nd EDITION #60950-1, NEMKO TO
60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003,
GOST-R, CE CLASS II, C-TICK TO 55022, PSE TO J60950, CB
REPORT
- EMI:**
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI
- CE MARK:**
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-
2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N
EN61000-4-11
- C-TICK:**
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.
- EFFICIENCY:**
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO
SECTION 301 OF THE ENERGY INDEPENDENCE AND
SECURITY ACT (EISA). CECP TIER 2 (CHINA), MEPS TIER 2
(AUSTRALIA), CODE OF CONDUCT (EUROPE)
- MTBF:**
200,000 HOURS AT 25°C AMBIENT TEMPERATURE
- OPERATING TEMPERATURE:**
0°C TO 40°C AMBIENT TEMPERATURE
- HUMIDITY:**
0% TO 90% RELATIVE HUMIDITY
- STORAGE TEMPERATURE:**
-10°C TO 80°C
- RoHS:**
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006
- NOTES:**
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
CLASS I MODEL OUTPUT RATING			
GT-41082-1805-X.X-T3(T3A)	+ 5.0	0 - 3.00	0 - 18
GT-41082-1806-X.X-T3(T3A)	+ 6.0	0 - 3.00	0 - 18
GT-41082-1809-X.X-T3(T3A)	+ 9.0	0 - 2.00	0 - 18
GT-41082-1812-X.X-T3(T3A)	+ 12.0	0 - 1.50	0 - 18
GT-41082-1815-X.X-T3(T3A)	+ 15.0	0 - 1.20	0 - 18

CLASS II ITE MODEL OUTPUT RATING

GT-41082-1805-X.X-T2	+ 5.0	0 - 3.0	0 - 18
GT-41082-1806-X.X-T2	+ 6.0	0 - 3.00	0 - 18
GT-41082-1809-X.X-T2	+ 9.0	0 - 2.00	0 - 18
GT-41082-1812-X.X-T2	+ 12.0	0 - 1.50	0 - 18
GT-41082-1815-X.X-T2	+ 15.0	0 - 1.20	0 - 18

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



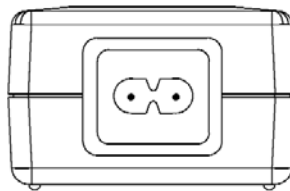
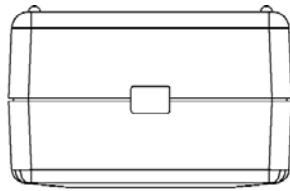
**18 Watts, Switcher, Single Output Family, DeskTop
Universal Input, ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

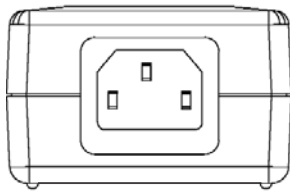


ENCLOSURE

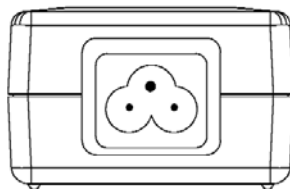
MATERIAL: 94V0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: T2, 50.0 x 80.6 x 31.1mm
AC INLET: T2, IEC 60320 / C8



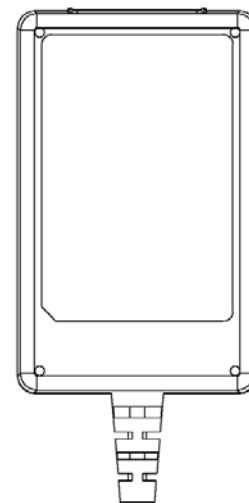
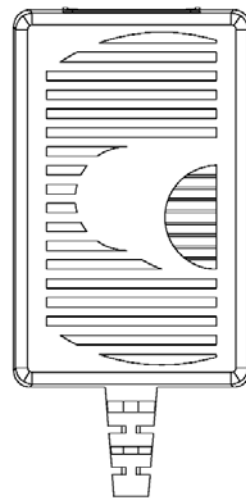
T2



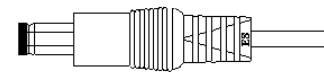
T3



T3A



OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG): 18AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



GlobTek® Inc.
Suzhou China www.globtek.com
ITE POWER SUPPLY (电源供应器)

P/N (料号): 12345678901234567890
MODEL (型号): GT-41082-18VV-X.X-T3
INPUT (输入): 100 - 240V ~, 50 - 60Hz, 0.6A
OUTPUT (输出): V = A
FOR I.T.E. USE ONLY

WWYY MADE IN CHINA (中国制造)

NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED



**0-19 Watts, Desk Top, Universal Input,
Single Output Family, ITE, Class I & II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 139)



ELECTRICAL SPECIFICATIONS:

INDOOR USE ONLY

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
19 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE, PEAK TO PEAK, TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:
±1% TYPICAL MEASURED AT FULL LOAD

TURN ON / TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115vac INPUT AND 40A TYPICAL AT 230 VAC INPUT

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

SWITCHING FREQUENCY:
100KHZ TYPICAL, VARIES WITH LINE AND LOAD

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
CONSTANT CURRENT METHOD / MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT.

OTHER PROTECTION:
INPUT FUSING; LINE FUSING

SAFETY APPROVALS:
ITE MODELS:
UL 60950, CUL TO 22.2NO.60950, TUV TO EN60950 AND cTUVus TO UL 60950 FOR CLASS II FE AND AND CLASS II; CE FOR EMC, KTL EK MARK TO 60950 (FOR GT-21089-0909T3 ~ GT-21089-1305-T3), CHINESE CCC MARK TO GB4943-2001, GB9254-1998, GB17625.1-2003 (GT-21089-T3 FROM 5~18V OUTPUT), PSE TO J60950, C-TICK, POLAND PCBC TO EN60950, DEMKO TO EN60950, ARGENTINA S-MARK, CB REPORT.

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY,
2121VDC (1500VAC) PRIMARY TO GROUND

EARTH LEAKAGE CURRENT:
< 300uA at 264Vac INPUT VOLTAGE

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
EN55011, Group 1, Class B, EN5022 Class B, EN55011, Group 1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002; EN55024 / EN60601-1-2 / IEC 61000-4-6:2001 ; EN55024 / EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 / IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024 / EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3 A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
GREATER THAN 200,000 HOURS AT 25C AMBIENT TEMPERATURE
NOMINAL LINE AND FULL LOAD PER MIL-217 STANDARD

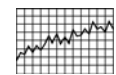
OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-10° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:
GT-2: INTERNAL CODE;
1089: FAMILY DESIGNATION;
1003 TO 1948: POWER/INPUT VOLTAGE;
T: DESKTOP;
3: CLASS I, PROTECTIVE GROUND;
2: CLASS II, DOUBLE INSULATED;

- NOTES:**
- EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 - OUTPUTS ARE AVAILABLE FROM 3.3V-48V IN 0.1V INCREMENTS
 - (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "C" FOR ELECTRICAL PERFORMANCE CURVES

**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21089-1003-T3	+3.3	0 - 2.6	0-9
GT-21089-1305-1.0-T3	+4.0	0 - 2.6	0-10
GT-21089-1305-X.X-T3	+5.0	0 - 2.6	0-13
GT-21089-1506-X.X-T3	+6.0	0 - 2.5	0-15
GT-21089-1509-2.0-T3	+7.0	0 - 2.0	0-15
GT-21089-1509-1.0-T3	+8.0	0 - 1.8	0-15
GT-21089-1509-X.X-T3	+9.0	0 - 1.7	0-15
GT-21089-1512-2.0-T3	+10.0	0 - 1.5	0-15
GT-21089-1512-1.0-T3	+11.0	0 - 1.3	0-15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**0-19 Watts, Desk Top, Universal Input,
Single Output Family, ITE, Class I & II**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 139)**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, FUNCTIONAL GROUND**

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21089-1512-X.X-T3		+12.0	0 - 1.25	0-15
GT-21089-1815-2.0-T3		+13.0	0 - 1.15	0-15
GT-21089-1815-1.2-T3		+13.8	0 - 1.09	0-15
GT-21089-1815-1.0-T3		+14.0	0 - 1.07	0-15
GT-21089-1815-X.X-T3		+15.0	0 - 1.2	0-18
GT-21089-1818-2.0-T3		+16.0	0 - 1.2	0-18
GT-21089-1818-1.0-T3		+17.0	0 - 1.0	0-18
GT-21089-1818-X.X-T3		+18.0	0 - 1.0	0-18
GT-21089-1824-5.0-T3		+19.0	0 - 0.95	0-18
GT-21089-1824-4.0-T3		+20.0	0 - 0.90	0-18
GT-21089-1824-X.X-T3		+24.0	0 - .75	0-18
GT-21089-1948-20.4-T3	(TUV/NRTL REPLACES UL/NRTL)	+27.6	0 - 0.65	0-18
GT-21089-1948-18.0-T3	(TUV/NRTL REPLACES UL/NRTL)	+30.0	0 - 0.6	0-18
GT-21089-1948-12.0-T3	(TUV/NRTL REPLACES UL/NRTL)	+36.0	0 - 0.5	0-19
GT-21089-1948-X.X-T3	(TUV/NRTL REPLACES UL/NRTL)	+48.0	0 - 0.4	0-19

**OUTPUT VOLTAGE / CURRENT:
CLASS II MODELS, DOUBLE INSULATED**

GT-21089-1003-T2		+3.3	0 - 2.6	0-9
GT-21089-1505-1.0-T2		+4.0	0 - 2.5	0-9
GT-21089-1505-X.X-T2		+5.0	0 - 2.6	0-13
GT-21089-1506-X.X-T2		+6.0	0 - 2.5	0-15
GT-21089-1509-2.0-T2		+7.0	0 - 2.0	0-15
GT-21089-1509-1.0-T2		+8.0	0 - 1.8	0-15
GT-21089-1509-X.X-T2		+9.0	0 - 1.7	0-15
GT-21089-1512-2.0-T2		+10.0	0 - 1.5	0-15
GT-21089-1512-1.0-T2		+11.0	0 - 1.3	0-15
GT-21089-1512-X.X-T2		+12.0	0 - 1.25	0-15
GT-21089-1815-2.0-T2		+13.0	0 - 1.15	0-15
GT-21089-1815-1.2-T2		+13.8	0 - 1.09	0-15
GT-21089-1815-1.0-T2		+14.0	0 - 1.07	0-15
GT-21089-1815-X.X-T2		+15.0	0 - 1.2	0-18
GT-21089-1818-2.0-T2		+16.0	0 - 1.2	0-18
GT-21089-1818-1.0-T2		+17.0	0 - 1.0	0-18
GT-21089-1818-X.X-T2		+18.0	0 - 1.0	0-18
GT-21089-1824-5.0-T2		+19.0	0 - 0.95	0-18
GT-21089-1824-4.0-T2		+20.0	0 - 0.90	0-18
GT-21089-1948-18.0-T2		+24.0	0 - .75	0-18
GT-21089-1948-20.4-T2	(TUV/NRTL REPLACES UL/NRTL)	+27.6	0 - 0.65	0-18
GT-21089-1948-18.0-T2	(TUV/NRTL REPLACES UL/NRTL)	+30.0	0 - 0.6	0-18
GT-21089-1948-12.0-T2	(TUV/NRTL REPLACES UL/NRTL)	+36.0	0 - 0.5	0-19
GT-21089-1948-X.X-T2	(TUV/NRTL REPLACES UL/NRTL)	+48.0	0 - 0.4	0-19

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED

GT-21089 SERIES-19W

0-19 Watts, Desk Top, Universal Input, Single Output Family, ITE, Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

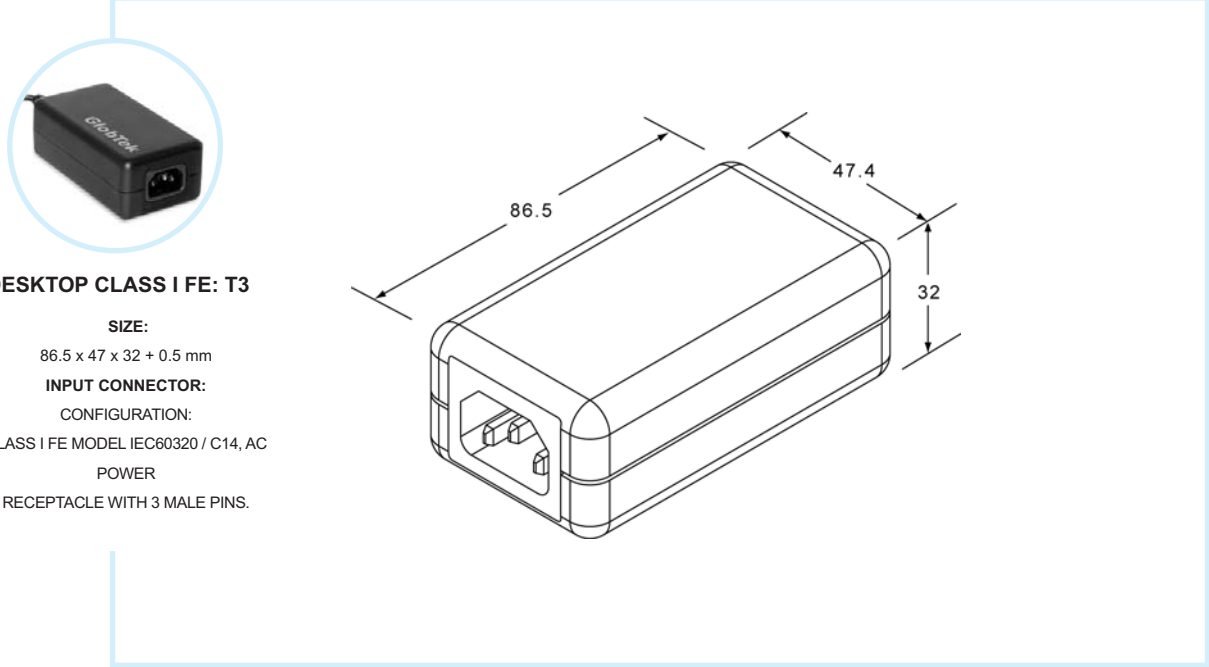


INDOOR USE ONLY



ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.



DESKTOP CLASS I FE: T3

SIZE:

86.5 x 47 x 32 + 0.5 mm

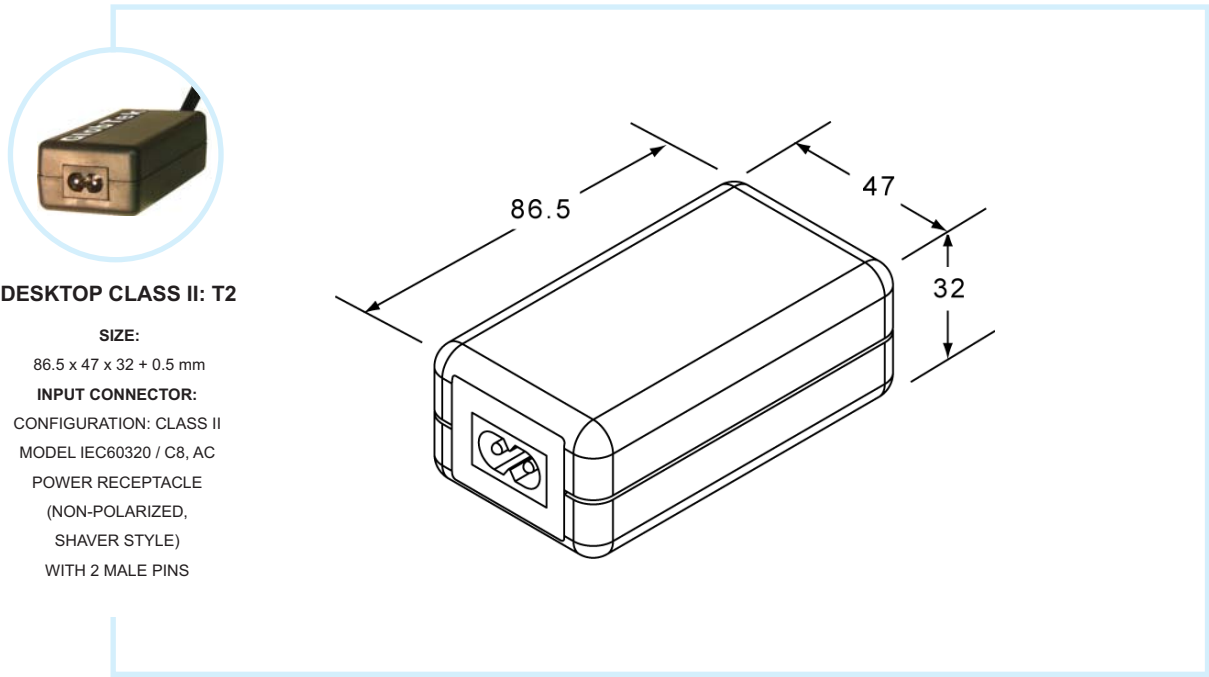
INPUT CONNECTOR:

CONFIGURATION:

CLASS I FE MODEL IEC60320 / C14, AC

POWER

RECEPTACLE WITH 3 MALE PINS.



DESKTOP CLASS II: T2

SIZE:

86.5 x 47 x 32 + 0.5 mm

INPUT CONNECTOR:

CONFIGURATION: CLASS II

MODEL IEC60320 / C8, AC

POWER RECEPTACLE

(NON-POLARIZED,

SHAVER STYLE)

WITH 2 MALE PINS

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-19 Watts, Wall Plug-In, N.A., Japan, Europe, U.K., Australia, Universal Input, Single Output Family, Medical Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
19 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYP

OUTPUT REGULATION (LINE/LOAD):
± 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 1% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
10 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A TYPICAL AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL; VARIES WITH LINE AND LOAD

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT.

OTHER PROTECTION:
INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS:
UL 60601-1, CUL TO 22.2 NO. 601, TUV EN60601, AND cTUVus TO UL 60601-1 FOR CLASS I AND CLASS II; PSE TO J60950, CE FOR EMC, CB REPORT

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC (4000 VAC) PRIMARY-SECONDARY
2121 VDC (1500 VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
< 300 µA AT 264VAC INPUT VOLTAGE

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 AND EN55011, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
EN55011, Group 1, Class B, EN5022 Class B, EN55011, Group 1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002; EN55024 / EN60601-1-2 / IEC 61000-4-6:2001 ; EN55024 / EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 / IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024 / EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3 A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE, AND NOMINAL LINE AT FULL LOAD PER MIL-217.

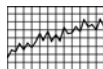
OPERATING TEMPERATURE:
0° C TO 40° C

STORAGE TEMPERATURE:
-10° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:
GT-2: INTERNAL CODE;
M: MEDICAL MODEL
1089: FAMILY DESIGNATION;
1003 TO 1948: POWER/INPUT VOLTAGE;
W: WALL PLUG IN;
3: CLASS II WITH FUNCTIONAL EARTH (3 PRONG)
2: CLASS II, DOUBLE INSULATED;
-E,U,A: PLUG CONFIGURATION: N.A.; EURO; U.K.; AUSTRALIA

- NOTES:**
- EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 - OUTPUTS ARE AVAILABLE FROM 3.3V-48V IN 0.1V INCREMENTS
 - (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "C" FOR ELECTRICAL PERFORMANCE CURVES

**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, FUNCTIONAL GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21089-1003-W3(W3U, W3A)	+3.3	0 - 2.6	0-9
GTM21089-1305-1.0-W3(W3U, W3A)	+4.0	0 - 2.6	0-10
GTM21089-1305-X.X-W3(W3U, W3A)	+5.0	0 - 2.6	0-13
GTM21089-1506-X.X-W3(W3U, W3A)	+6.0	0 - 2.5	0-15
GTM21089-1509-2.0-W3(W3U, W3A)	+7.0	0 - 2.0	0-15
GTM21089-1509-1.0-W3(W3U, W3A)	+8.0	0 - 1.8	0-15
GTM21089-1509-X.X-W3(W3U, W3A)	+9.0	0 - 1.7	0-15
GTM21089-1512-2.0-W3(W3U, W3A)	+10.0	0 - 1.5	0-15
GTM21089-1512-1.0-W3(W3U, W3A)	+11.0	0 - 1.3	0-15



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM21089 SERIES-19W



0-19 Watts, Wall Plug-In, N.A., Japan, Europe, U.K., Australia, Universal Input, Single Output Family, Medical Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21089-1512-X.X-W3(W3U, W3A)	+12.0	0 - 1.25	0-15
GTM21089-1815-2.0-W3(W3U, W3A)	+13.0	0 - 1.15	0-15
GTM21089-1815-1.2-W3(W3U, W3A)	+13.8	0 - 1.09	0-15
GTM21089-1815-1.0-W3(W3U, W3A)	+14.0	0 - 1.07	0-15
GTM21089-1815-X.X-W3(W3U, W3A)	+15.0	0 - 1.2	0-18
GTM21089-1818-2.0-W3(W3U, W3A)	+16.0	0 - 1.2	0-18
GTM21089-1818-1.0-W3(W3U, W3A)	+17.0	0 - 1.0	0-18
GTM21089-1818-X.X-W3(W3U, W3A)	+18.0	0 - 1.0	0-18
GTM21089-1824-5.0-W3(W3U, W3A)	+19.0	0 - 0.95	0-18
GTM21089-1824-4.0-W3(W3U, W3A)	+20.0	0 - 0.90	0-18
GTM21089-1824-X.X-W3(W3U, W3A)	+24.0	0 - 1.0	0-18
GTM21089-1948-20.4-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+27.6	0 - 0.65	0-18
GTM21089-1940-18.0-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+30.0	0 - 0.6	0-18
GTM21089-1948-12.0-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+36.0	0 - 0.5	0-19
GTM21089-1948-X.X-W3(W3U, W3A) (TUV/NRTL REPLACES UL/NRTL)	+48.0	0 - 0.4	0-19

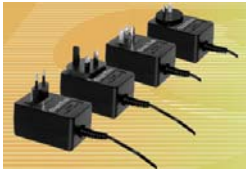
OUTPUT VOLTAGE / CURRENT: CLASS II MODELS, DOUBLE INSULATED

GTM21089-0903-W2(W2E, W2U, W2A)	+3.3	0 - 2.6	0-9
GTM21089-0905-1.0-W2(W2E, W2U, W2A)	+4.0	0 - 2.6	0-9
GTM21089-1305-X.X-W2(W2E, W2U, W2A)	+5.0	0 - 2.6	0-13
GTM21089-1506-X.X-W2(W2E, W2U, W2A)	+6.0	0 - 2.5	0-15
GTM21089-1509-2.0-W2(W2E, W2U, W2A)	+7.0	0 - 2.0	0-15
GTM21089-1509-1.0-W2(W2E, W2U, W2A)	+8.0	0 - 1.8	0-15
GTM21089-1509-X.X-W2(W2E, W2U, W2A)	+9.0	0 - 1.7	0-15
GTM21089-1512-2.0-W2(W2E, W2U, W2A)	+10.0	0 - 1.5	0-15
GTM21089-1512-1.0-W2(W2E, W2U, W2A)	+11.0	0 - 1.3	0-15
GTM21089-1512-X.X-W2(W2E, W2U, W2A)	+12.0	0 - 1.25	0-15
GTM21089-1815-2.0-W2(W2E, W2U, W2A)	+13.0	0 - 1.15	0-15
GTM21089-1815-1.2-W2(W2E, W2U, W2A)	+13.8	0 - 1.09	0-15
GTM21089-1815-1.0-W2(W2E, W2U, W2A)	+14.0	0 - 1.07	0-15
GTM21089-1815-X.X-W2(W2E, W2U, W2A)	+15.0	0 - 1.2	0-18
GTM21089-1818-2.0-W2(W2E, W2U, W2A)	+16.0	0 - 1.2	0-18
GTM21089-1818-1.0-W2(W2E, W2U, W2A)	+17.0	0 - 1.0	0-18
GTM21089-1818-X.X-W2(W2E, W2U, W2A)	+18.0	0 - 1.0	0-18
GTM21089-1824-5.0-W2(W2E, W2U, W2A)	+19.0	0 - 0.95	0-18
GTM21089-1824-4.0-W2(W2E, W2U, W2A)	+20.0	0 - 0.90	0-18
GTM21089-1824-X.X-W2(W2E, W2U, W2A)	+24.0	0 - 1.0	0-18
GTM21089-1948-20.4-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+27.6	0 - 0.65	0-18
GTM21089-1940-18.0-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+30.0	0 - 0.6	0-18
GTM21089-1948-12.0W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+36.0	0 - 0.5	0-19
GTM21089-1948-X.X-W2(W2E, W2U, W2A) (TUV/NRTL REPLACES UL/NRTL)	+48.0	0 - 0.4	0-19

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED




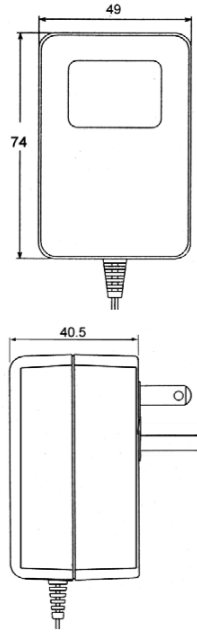
0-19 Watts, Wall Plug-In, N.A., Japan, Europe, U.K., Australia, Universal Input, Single Output Family, Medical Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY


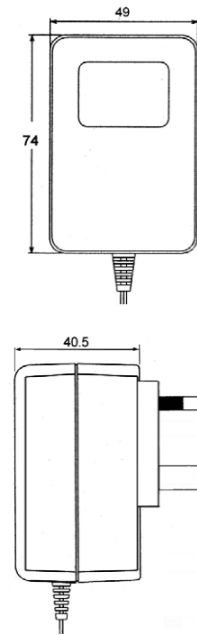
ENCLOSURES

NORTH AMERICA: W3

SIZE:
74 x 49 x 40.5 ± 0.5 mm


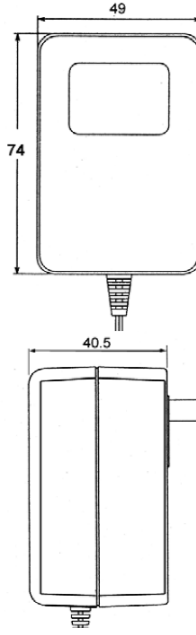
INPUT CONNECTOR:
CONFIGURATION:
NEMA 5-15 / JIS 8303 WITH
2 BLADES & GROUND PIN

UNITED KINGDOM: W3U

SIZE:
74 x 49 x 40.5 ± 0.5 mm


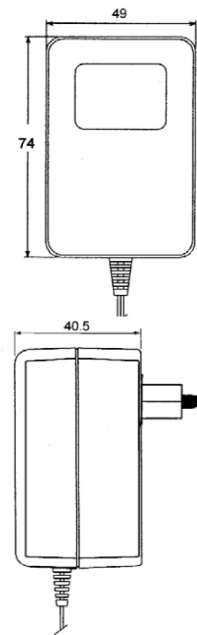
INPUT CONNECTOR:
CONFIGURATION:
BS 1363 / 3 PRONGS

**NORTH AMERICA/
JAPAN: W2**

SIZE:
74 x 49 x 40.5 ± 0.5 mm

INPUT CONNECTOR:
CONFIGURATION:
NEMA 1-15 / JIS 8303
CLASS II
WITH 2 BLADES

EUROPE: W2E

SIZE:
74 x 49 x 40.5 ± 0.5 mm

INPUT CONNECTOR:
CONFIGURATION:
EURO PLUG
CEE7/16, CLASS II



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-19 Watts, DeskTop Universal Input, Single Output
Family, Medical Class I & II, IEC/EN 60601-1 3rd Edition**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW

OUTPUT POWER (RATED):
19 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYP

OUTPUT REGULATION (LINE/LOAD):
± 5% FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 1% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
5% MAX 500uS MAX RECOVERY TIME FOR 25%
STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
10 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A TYPICAL AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY

OTHER PROTECTION:
INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS:
MEDICAL MODELS:
CB CERTIFICATE: IEC 60601- 1:2005 (3RD ED.)
CB REPORT: IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007)
3RD EDITION AND/OR EN 60601-1:2006 + A11:2011.
2 X MOOP ISOLATION (MEANS OF OPERATOR PROTECTION)
SIQ MARK CERTIFICATE: EN 60601-1 :2006 + ALL :2011
UL 60601-1, CUL TO 22.2 NO. 601, TUV EN60601, AND
cTUVus TO UL 60601 FOR CLASS I AND CLASS II;
CE FOR EMC, PSE TO J60950, PSE TO J60950



DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC (4000 VAC) PRIMARY-SECONDARY
2121 VDC (1500 VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
< 100uA at 264Vac INPUT VOLTAGE

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 AND EN55011, CLASS B AND FCC
PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD,
BOTH CONDUCTED AND RADIATED

CE MARK:
EN55011, Group 1, Class B, EN5022 Class B, EN55011, Group
1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002;
EN55024 / EN60601-1-2 / IEC 61000-4-6:2001 ; EN55024 /
EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 /
IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-
4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024
/ EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3
A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-
2:2001 / EN 61000-3-2:2001.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE, AND NOMINAL LINE AT FULL LOAD
PER MIL-217.

OPERATING TEMPERATURE:
0° C TO 40° C

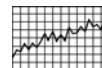
STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:
GT-2: INTERNAL CODE;
M: MEDICAL MODEL
1089: FAMILY DESIGNATION;
1003 TO 1948: POWER/INPUT VOLTAGE;
T: DESKTOP;
3: CLASS II WITH FUNCTIONAL EARTH (3 PRONGS)
2: CLASS II, DOUBLE INSULATED;

NOTES:
1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S
DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS
NOT EXCEEDED.
2. OUTPUTS ARE AVAILABLE FROM 3.3V-48V IN 0.1V
INCREMENTS
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X
VOLTS FROM STANDARD OUTPUT VOLTAGE.

**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS**



SEE APPENDIX "C" FOR ELECTRICAL
PERFORMANCE CURVES

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21089-1003-T3	+3.3	0 - 2.6	0-9
GTM21089-1305-1.0-T3	+4.0	0 - 2.6	0-10
GTM21089-1305-X.X-T3	+5.0	0 - 2.6	0-13
GTM21089-1506-X.X-T3	+6.0	0 - 2.5	0-15
GTM21089-1509-2.0-T3	+7.0	0 - 2.0	0-15
GTM21089-1509-1.0-T3	+8.0	0 - 1.8	0-15
GTM21089-1509-X.X-T3	+9.0	0 - 1.7	0-15
GTM21089-1512-2.0-T3	+10.0	0 - 1.5	0-15
GTM21089-1512-1.0-T3	+11.0	0 - 1.3	0-15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-19 Watts, DeskTop Universal Input, Single Output Family, Medical Class I & II, IEC/EN 60601-1 3rd Edition

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, FUNCTIONAL GROUND

Table with 4 columns: MODEL NUMBER, OUTPUT VOLTAGE (VDC), OUTPUT CURRENT (A), RATED OUTPUT POWER (W). Lists various model numbers and their specifications.

OUTPUT VOLTAGE / CURRENT:
CLASS II MODELS, DOUBLE INSULATED

Table with 4 columns: MODEL NUMBER, OUTPUT VOLTAGE (VDC), OUTPUT CURRENT (A), RATED OUTPUT POWER (W). Lists various model numbers and their specifications.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM21089 SERIES-19W



0-19 Watts, DeskTop Universal Input, Single Output Family, Medical Class I & II, IEC/EN 60601-1 3rd Edition

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

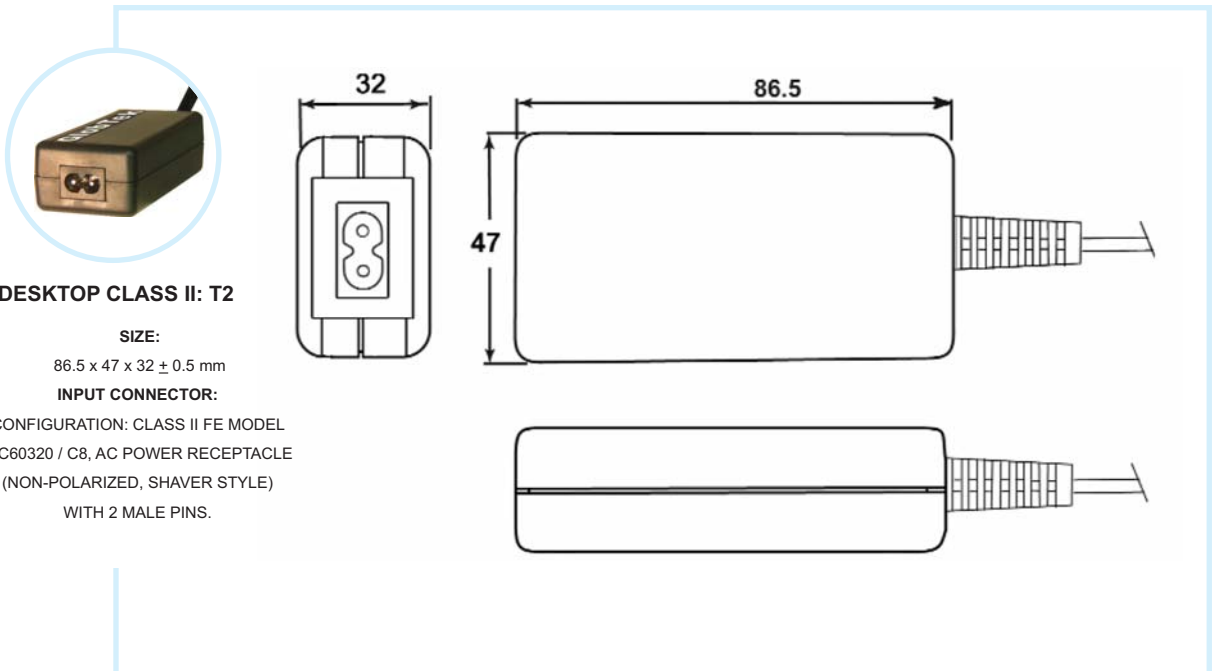
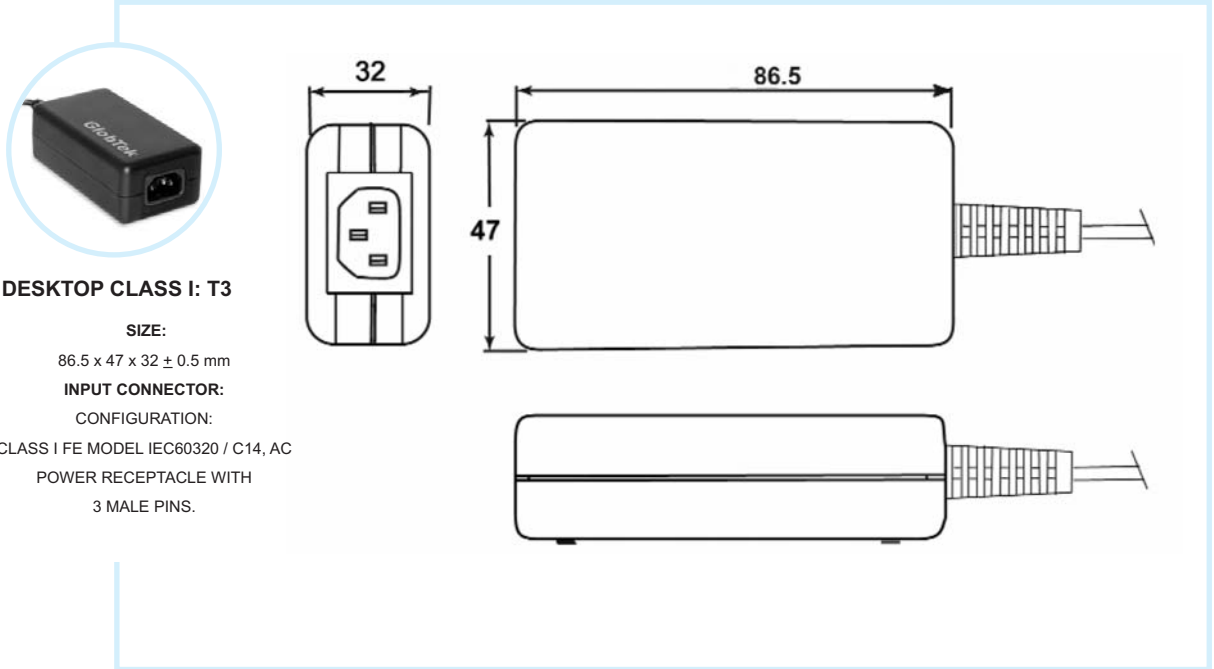


INDOOR USE ONLY



ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**0-19 Watts, Switchmode, Single Output, Family (1.7"x3.3")
Open Frame & PCB Mount, Universal Input, ITE, Class I & II**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 148)**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE:**

90 VAC TO 264 VAC

INPUT CURRENT:

< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

19 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% OF OUTPUT VOLTAGE, PEAK TO PEAK, TYPICAL

OUTPUT REGULATION (LINE/LOAD):

± 5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:

+/- 1% TYPICAL MEASURED AT FULL LOAD

REMOTE SENSING (OPTION):

PROVIDES REGULATION WITHIN + 1% OF NOMINAL VOLTAGE OF MAIN OUTPUT AT LOAD LEVEL. FOR 3.3V SINGLE OUTPUT, REMOTE IS REQUIRED.

TURN ON/ TURN OFF OVERTHOOT:

5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

10ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:

30A TYPICAL AT 115Vac INPUT AND 40A TYPICAL AT 230Vac INPUT

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100KHZ TYPICAL, VARIES WITH LINE AND LOAD

OVER-VOLTAGE PROTECTION:

OUTPUT VOLTAGE PROTECTED BY CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:

MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT.

OTHER PROTECTION:

INPUT FUSING; LINE FUSING

SAFETY APPROVALS:

UR TO UL 60950, C-UR TO 22.2 # 60950, TUV TO EN 60950, CE CLASS I & II

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC (4000 VAC) PRIMARY-SECONDARY;

2121 VDC (1500 VAC) PRIMARY- GROUND

EARTH LEAKAGE CURRENT:

LESS THAN 250 uA @ 254 VAC

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

MTBF:

GREATER THAN 200,000 HOURS AT 25° C AMBIENT TEMPERATURE

NOMINAL LINE AND FULL LOAD PER MIL-217 STANDARD

OPERATING TEMPERATURE:

0° C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:

GT-2: INTERNAL CODE;

-: ITE MODEL, UR 60950

1096: FAMILY DESIGNATION, 10-19W OPEN FRAME

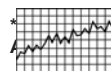
1003 TO 1948: OUTPUT POWER / OUTPUT VOLTAGE

F: OPEN FRAME OR B: PCB MOUNTED

-: UNITS ENDING WITH "W" ARE CLASS II UNITS, UNITS ENDING WITHOUT "W" ARE CLASS I UNITS.

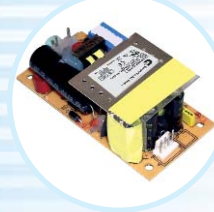
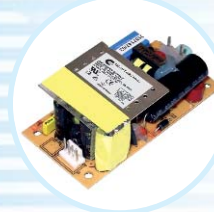
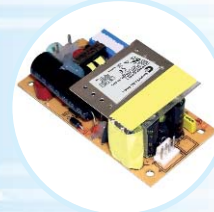
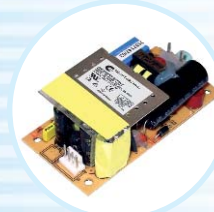
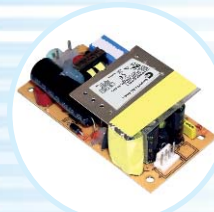
NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT ARE AVAILABLE FROM 3.3V-48V IN 0.1V INCREMENTS
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

V TO 48V AVAILABLE ONLY WITH THV AND CB
S. PERFORMANCE CURVES**OUTPUT VOLTAGE / CURRENT:****CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21096-1003-F(B)(W)	+3.3	0 - 2.6	0-9
GT-21096-1505-1.0-F(B)(W)	+4.0	0 - 2.6	0-10
GT-21096-1505-X.X-F(B)(W)	+5.0	0 - 2.6	0-13
GT-21096-1506-X.X-F(B)(W)	+6.0	0 - 2.5	0-15
GT-21096-1509-2.0-F(B)(W)	+7.0	0 - 2.0	0-15
GT-21096-1509-1.0-F(B)(W)	+8.0	0 - 1.8	0-15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED

GT-21096 SERIES-19W



0-19 Watts, Switchmode, Single Output, Family (1.7"x3.3") Open Frame & PCB Mount, Universal Input, ITE, Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21096-1509-X.X-F(B)	+9.0	0 - 1.7	0-15
GT-21096-1512-2.0-F(B)	+10.0	0 - 1.5	0-15
GT-21096-1512-1.0-F(B)	+11.0	0 - 1.3	0-15
GT-21096-1512-X.X-F(B)	+12.0	0 - 1.25	0-15
GT-21096-1815-2.0-T3-F(B)	+13.0	0 - 1.15	0-15
GT-21096-1815-1.2-F(B)	+13.8	0 - 1.09	0-15
GT-21096-1815-1.0-F(B)	+14.0	0 - 1.07	0-15
GT-21096-1815-X.X-F(B))	+15.0	0 - 1.2	0-18
GT-21096-1818-2.0-F(B))	+16.0	0 - 1.2	0-18
GT-21096-1818-1.0-F(B)	+17.0	0 - 1.0	0-18
GT-21096-1818-X.X-F(B)	+18.0	0 - 1.0	0-18
GT-21096-1824-5.0-F(B)	+19.0	0 - 0.95	0-18
GT-21096-1824-4.0-F(B)	+20.0	0 - 0.90	0-18
GT-21096-1824-X.X-F(B)	+24.0	0 - .75	0-18
GT-21096-1948-20.4-F(B)	(TUV/NRTL REPLACES UL/NRTL) +27.6	0 - 0.65	0-18
GT-21096-1940-18.0-F(B)	(TUV/NRTL REPLACES UL/NRTL) +30.0	0 - 0.6	0-18
GT-21096-1948-12.0-F(B)	(TUV/NRTL REPLACES UL/NRTL) +36.0	0 - 0.5	0-19
GT-21096-1948-X.X-F(B)	(TUV/NRTL REPLACES UL/NRTL) +48.0	0 - 0.4	0-19

**OUTPUT VOLTAGE / CURRENT:
CLASS II MODELS, DOUBLE INSULATED**

GT-21096-1003-F(B)W	+3.3	0 - 2.6	0-9
GT-21096-1505-1.0-F(B)W	+4.0	0 - 2.6	0-9
GT-21096-1505-X.X-F(B)W	+5.0	0 - 2.6	0-13
GT-21096-1506-X.X-F(B)W	+6.0	0 - 2.5	0-15
GT-21096-1509-2.0-F(B)W	+7.0	0 - 2.0	0-15
GT-21096-1509-1.0-F(B)W	+8.0	0 - 1.8	0-15
GT-21096-1509-X.X-F(B)W	+9.0	0 - 1.7	0-15
GT-21096-1512-2.0-F(B)W	+10.0	0 - 1.5	0-15
GT-21096-1512-1.0-F(B)W	+11.0	0 - 1.3	0-15
GT-21096-1512-X.X-F(B)W	+12.0	0 - 1.25	0-15
GT-21096-1815-2.0-T3-F(B)W	+13.0	0 - 1.15	0-15
GT-21096-1815-1.2-F(B)W	+13.8	0 - 1.09	0-15
GT-21096-1815-1.0-F(B)W	+14.0	0 - 1.07	0-15
GT-21096-1815-X.X-F(B)W	+15.0	0 - 1.2	0-18
GT-21096-1818-2.0-F(B)W	+16.0	0 - 1.2	0-18
GT-21096-1818-1.0-F(B)W	+17.0	0 - 1.0	0-18
GT-21096-1818-X.X-F(B)W	+18.0	0 - 1.0	0-18
GT-21096-1824-5.0-F(B)W	+19.0	0 - 0.95	0-18
GT-21096-1824-4.0-F(B)W	+20.0	0 - 0.90	0-18
GT-21096-1824-X.X-F(B)W	+24.0	0 - .75	0-18
GT-21096-1948-20.4-F(B)W	(TUV/NRTL REPLACES UL/NRTL) +27.6	0 - 0.65	0-18
GT-21096-1940-18.0-F(B)W	(TUV/NRTL REPLACES UL/NRTL) +30.0	0 - 0.6	0-18
GT-21096-1948-12.0-F(B)W	(TUV/NRTL REPLACES UL/NRTL) +36.0	0 - 0.5	0-19
GT-21096-1948-X.X-F(B)W	(TUV/NRTL REPLACES UL/NRTL) +48.0	0 - 0.4	0-19

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-19 Watts, Switchmode, Single Output, Family (1.7"x3.3") Open Frame & PCB Mount, Universal Input, ITE, Class I & II

Part Number Ordering System (See Page 456) Output Plug/Cord Options (See Page 425)



MECHANICAL SPECIFICATION

ALL DIMENSIONS ARE IN MM

INPUT CONNECTOR:

STRAIGHT SQUARE PIN LOCKING HEADERS, WITH .312(7.92) BETWEEN CONDUCTORS, .045 (1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-65-2058 OR EQUIVALENT (5 CIRCUITS, WITH 2 PINS REMOVED). HEADER MATES WITH MOLEX NO. 5196-N, 5265-N HOUSINGS OR EQUIVALENT BRAND.

OUTPUT CONNECTOR:

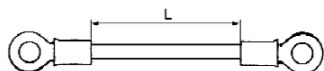
4 PIN STRAIGHT SQUARE PIN FRICTION LOCK HEADER, 0.100"(2.54 mm) BETWEEN CONDUCTORS, 0.025"(0.64 mm) SQUARE PINS, TIN PLATED, UL 94V-0 RATED, NYLON ; MOLEX: 22-28-0040 OR EQUIVALENT. HEADER MATCH WITH MOLEX # MOL22-01-2047 CONNECTOR OR EQUIVALENT.



IMPORTANT INSTALLATION NOTES:

FOR PROPER INSULATION AND GROUNDING RELIABILITY, FOLLOW EITHER OPTIONS BELOW

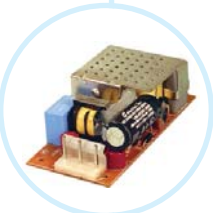
OPTION 1: USE NYLON 4-40 SCREWS AND NYLON STAND-OFF FOR ALL MOUNTING HOLES AND ADD JUMPER WIRE OPTION SHOWN BELOW FOR EARTH CONNECTION BETWEEN MOUNTING HOLES 4 AND 3.



RING TERMINAL, AMP P/N: 8-34142-5 AWG 18 STRANDED WIRE, GREEN, 100 mm LENGTH

OPTION 2: USE METALLIC 4-40 SCREWS AND METALLIC STAND-OFF FOR HOLES 3 AND 4 AND USE NYLON 4-40 SCREWS AND NYLON STAND-OFF FOR HOLES 1 AND 2.

OPTION 2 IS ONLY APPLICABLE IF SYSTEM CHASSIS WHERE THE POWER SUPPLY IS MOUNTED IS MADE OUT OF METAL.



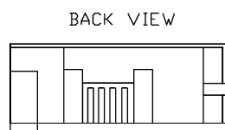
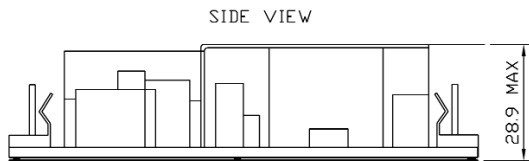
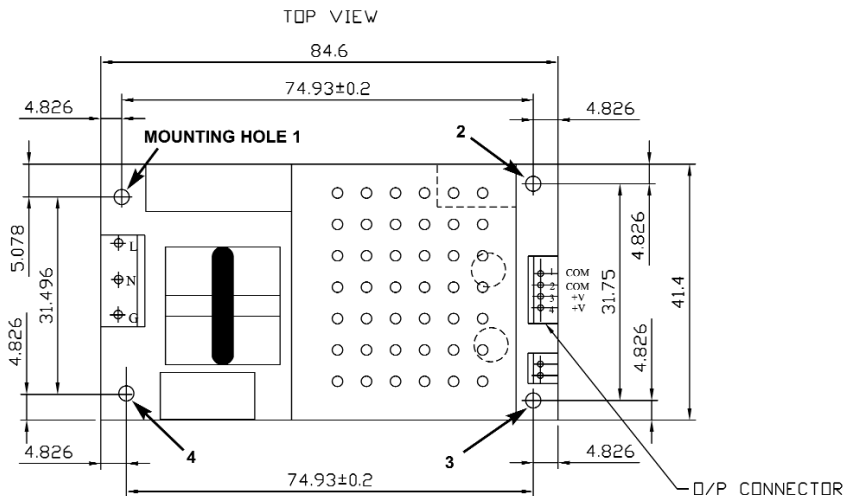
CLASS I OR II INPUT CONFIGURATION:

OPEN FRAME STRAIGHT SQUARE PIN LOCKING HEADERS, WITH .312(7.92) BETWEEN CONDUCTORS, .045 (1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-65-2038 (3 CIRCUITS, WITH 1 PIN REMOVED FOR CLASS II).

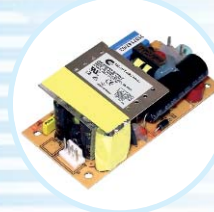
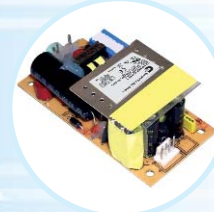
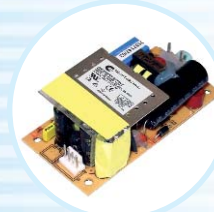
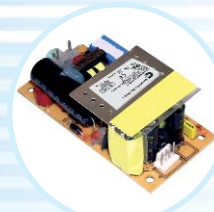
HEADER MATES WITH MOLEX NO. 2139 CONNECTOR OR EQUIVALENTS.

PCB MOUNT:

STRAIGHT SQUARE PIN NON-LOCKING HEADER, WITH .312 (7.92) BETWEEN CONDUCTORS, .045(1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-67-4031 (3 CIRCUITS, WITH 1 PIN REMOVED OR CLASS II), SYSTEM BOARD SOLDERED.



POWER SUPPLY PCB



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-19 Watts, Switchmode, Single Output, Family (1.7"x3.3")
Open Frame & PCB Mount, Universal Input, Medical, Class I & II**



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY



ALL MODELS UNDER THIS SERIES ARE CERTIFIED TO BE IN COMPLIANCE WITH ALL THE APPLICABLE REQUIREMENTS OF UL60601-1 2ND EDITION, CSA 22.2 NO.601.1-M90 AND EN 60601-1:A11:2011. IEC 60601-1:2005 3RD EDITION GLOBTEK'S MEDICAL POWER SUPPLIES ARE DESIGNED TO BE USED IN APPLICATIONS THAT DO NOT CONNECT THE OUTPUT TO PATIENT CIRCUITS DIRECTLY. THE POWER SUPPLY CAN BE USED IN SYSTEM WITH PATIENT APPLIED PARTS ONLY WHEN APPROPRIATE SYSTEM LEVEL ISOLATION IS PROVIDED BY THE END SYSTEM.

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW

OUTPUT POWER (RATED):
19 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE, PEAK TO PEAK, TYPICAL

OUTPUT REGULATION:
± 5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

REMOTE SENSING (OPTION):
PROVIDES REGULATION WITHIN + 1% OF NOMINAL VOLTAGE OF MAIN OUTPUT AT LOAD LEVEL. FOR 3.3V SINGLE OUTPUT, REMOTE SENSING IS REQUIRED.

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115Vac INPUT AND 40A TYPICAL AT 230Vac INPUT

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100KHZ TYPICAL, VARIES WITH LINE AND LOAD

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE PROTECTED BY CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT.

OTHER PROTECTION:
INPUT FUSING; LINE AND NEUTRAL FUSING

SAFETY APPROVALS:
MEDICAL MODELS: UR TO UL 60601-1, C-UR TO 22.2 # 601, TUV TO EN 60601, CE CLASS I & II
CB CERTIFICATE: IEC 60601- 1:2005 (3RD ED.)
CB REPORT: IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) 3RD EDITION AND/OR EN 60601-1:2006 + A11:2011.

2 X MOOP ISOLATION (MEANS OF OPERATOR PROTECTION)
SIQ MARK CERTIFICATE: EN 60601-1 :2006 + A11 :2011

DIELECTRIC WITHSTAND VOLTAGE:
5656 VAC PRIMARY-SECONDARY;
2121 VAC PRIMARY- GROUND

EARTH LEAKAGE CURRENT:
LESS THAN 250 uA @ 264 VAC

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

MTBF:
GREATER THAN 200,000 HOURS AT 25° C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD PER MIL-217 STANDARD

OPERATING TEMPERATURE:
0° C TO 40° C AMBIENT TEMPERATURE

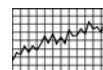
STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:
GTM2: INTERNAL CODE;
M: MEDICAL MODEL, UL 60601-1
1096: FAMILY DESIGNATION, 10-19W OPEN FRAME
1003 TO 1948: OUTPUT POWER / OUTPUT VOLTAGE
F: OPEN FRAME OR B: PCB MOUNTED
-: UNITS ENDING WITH "W" ARE CLASS II UNITS, UNITS ENDING WITHOUT "W" ARE CLASS I UNITS.

- NOTES:**
1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 2. SINGLE OUTPUT ARE AVAILABLE FROM 3.3V-48V IN 0.1V INCREMENTS
 3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

*FROM 24.1 V TO 48 V, AVAILABLE ONLY WITH TUV AND CB APPROVALS.



SEE APPENDIX "C" FOR ELECTRICAL PERFORMANCE CURVES

**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21096-1003-F(B)	+3.3	0 - 2.6	0-9
GTM21096-1505-1.0-F(B)	+4.0	0 - 2.6	0-10
GTM21096-1508-X.X-F(B)	+5.0	0 - 2.6	0-13
GTM21096-1506-X.X-F(B)	+6.0	0 - 2.5	0-15
GTM21096-1509-2.0-F(B)	+7.0	0 - 2.0	0-15
GTM21096-1509-1.0-F(B)	+8.0	0 - 1.8	0-15

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-19 Watts, Switchmode, Single Output, Family (1.7"x3.3")
Open Frame & PCB Mount, Universal Input, Medical, Class I & II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

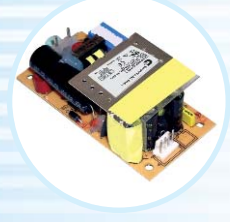
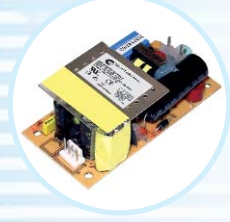
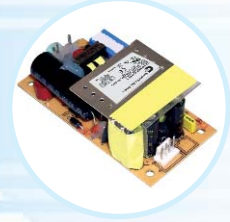
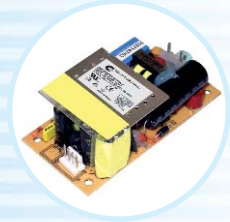
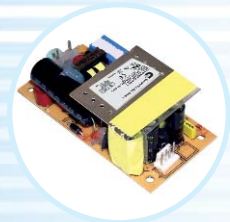
**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21096-1509-X.X-F(B)		+9.0	0 - 1.7	0-15
GTM21096-1512-2.0-X.X-F(B)		+10.0	0 - 1.5	0-15
GTM21096-1512-1.0-X.X-F(B)		+11.0	0 - 1.3	0-15
GTM21096-1512-X.X-F(B)		+12.0	0 - 1.25	0-15
GTM21096-1815-2.0-X.X-F(B)		+13.0	0 - 1.4	0-18
GTM21096-1815-1.2-X.X-F(B)		+13.8	0 - 1.3	0-18
GTM21096-1815-1.0-X.X-F(B)		+14.0	0 - 1.2	0-18
GTM21096-1815-X.X-F(B)		+15.0	0 - 1.2	0-18
GTM21096-1818-2.0-X.X-F(B)		+16.0	0 - 1.2	0-18
GTM21096-1818-1.0-X.X-F(B)		+17.0	0 - 1.0	0-18
GTM21096-1818-X.X-F(B)		+18.0	0 - 1.0	0-18
GTM21096-1824-5.0-X.X-F(B)		+19.0	0 - 1.15	0-15
GTM21096-1824-4.0-X.X-F(B)		+20.0	0 - 1.09	0-15
GTM21096-1824-X.X-F(B)		+24.0	0 - 1.07	0-15
GTM21089-1948-20.4-X.X-F(B)	(C-TUV-US ONLY)	+27.6	0 - 0.65	0-18
GTM21096-1940-18.0-X.X-F(B)	(C-TUV-US ONLY)	+30.0	0 - 0.6	0-18
GTM21096-1948-12.0-X.X-F(B)	(C-TUV-US ONLY)	+36.0	0 - 0.5	0-19
GTM21096-1948-X.X-F(B)	(C-TUV-US ONLY)	+48.0	0 - 0.4	0-19

**OUTPUT VOLTAGE / CURRENT:
CLASS II MODELS, DOUBLE INSULATED**

GTM21096-1003-X.X-F(B)W		+3.3	0 - 2.6	0-9
GTM21096-1509-1.0-X.X-F(B)W		+4.0	0 - 2.6	0-9
GTM21096-1509-X.X-F(B)W		+5.0	0 - 2.6	0-13
GTM21096-1506-X.X-F(B)W		+6.0	0 - 2.5	0-15
GTM21096-1509-2.0-X.X-F(B)W		+7.0	0 - 2.0	0-15
GTM21096-1509-1.0-X.X-F(B)W		+8.0	0 - 1.8	0-15
GTM21096-1509-X.X-F(B)W		+9.0	0 - 1.7	0-15
GTM21089-1512-2.0-X.X-F(B)W		+10.0	0 - 1.5	0-15
GTM21089-1512-1.0-X.X-F(B)W		+11.0	0 - 1.3	0-15
GTM21096-1512-X.X-X.X-F(B)W		+12.0	0 - 1.25	0-15
GTM21096-1815-2.0-X.X-F(B)W		+13.0	0 - 1.15	0-15
GTM21096-1815-1.2-X.X-F(B)W		+13.8	0 - 1.09	0-15
GTM21096-1815-1.0-X.X-F(B)W		+14.0	0 - 1.07	0-15
GTM21096-1815-X.X-F(B)W		+15.0	0 - 1.2	0-18
GTM21096-1818-2.0-X.X-F(B)W		+16.0	0 - 1.2	0-18
GTM21096-1818-1.0-X.X-F(B)W		+17.0	0 - 1.0	0-18
GTM21096-1818-X.X-F(B)W		+18.0	0 - 1.0	0-18
GTM21096-1824-5.0-X.X-F(B)W		+19.0	0 - 0.95	0-18
GTM21096-1824-4.0-X.X-F(B)W		+20.0	0 - 0.90	0-18
GTM21096-1824-X.X-F(B)W		+24.0	0 - 1.0	0-18
GTM21096-1948-20.4-X.X-F(B)W	(C-TUV-US ONLY)	+27.6	0 - 0.65	0-18
GTM21096-1940-18.0-X.X-F(B)W	(C-TUV-US ONLY)	+30.0	0 - 0.6	0-18
GTM21096-1948-12.0-X.X-F(B)W	(C-TUV-US ONLY)	+36.0	0 - 0.5	0-19
GTM21096-1948-X.X-F(B)W	(C-TUV-US ONLY)	+48.0	0 - 0.4	0-19

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



**0-19 Watts, Switchmode, Single Output, Family (1.7"x3.3")
Open Frame & PCB Mount, Universal Input, Medical, Class I & II**



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



MECHANICAL SPECIFICATION

ALL DIMENSIONS ARE IN MM

INPUT CONNECTOR:

STRAIGHT SQUARE PIN LOCKING HEADERS, WITH .312(7.92) BETWEEN CONDUCTORS, .045 (1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-65-2058 OR EQUIVALENT (5 CIRCUITS, WITH 2 PINS REMOVED). HEADER MATES WITH MOLEX NO. 5196-N, 5265-N HOUSINGS OR EQUIVALENT BRAND.

OUTPUT CONNECTOR:

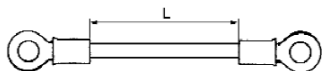
4 PIN STRAIGHT SQUARE PIN FRICTION LOCK HEADER, 0.100"(2.54 mm) BETWEEN CONDUCTORS, 0.025"(0.64 mm) SQUARE PINS, TIN PLATED, UL 94V-0 RATED, NYLON ; MOLEX: 22-28-0040 OR EQUIVALENT. HEADER MATCH WITH MOLEX # MOL22-01-2047 CONNECTOR OR EQUIVALENT.



IMPORTANT INSTALLATION NOTES:

FOR PROPER INSULATION AND GROUNDING RELIABILITY, FOLLOW EITHER OPTIONS BELOW

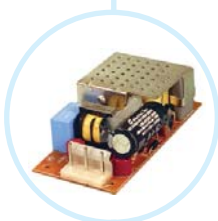
OPTION 1: USE NYLON 4-40 SCREWS AND NYLON STAND-OFF FOR ALL MOUNTING HOLES AND ADD JUMPER WIRE OPTION SHOWN BELOW FOR EARTH CONNECTION BETWEEN MOUNTING HOLES 4 AND 3.



RING TERMINAL, AMP P/N: 8-34142-5 AWG 18 STRANDED WIRE, GREEN, 100 mm LENGTH

OPTION 2. USE METALLIC 4-40 SCREWS AND METALLIC STAND-OFF FOR HOLES 3 AND 4 AND USE NYLON 4-40 SCREWS AND NYLON STAND-OFF FOR HOLES 1 AND 2.

OPTION 2 IS ONLY APPLICABLE IF SYSTEM CHASSIS WHERE THE POWER SUPPLY IS MOUNTED IS MADE OUT OF METAL.

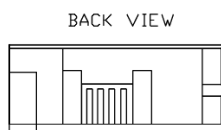
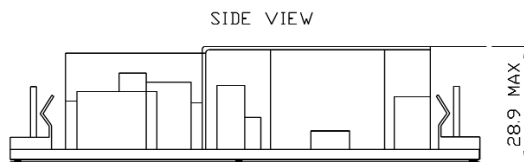
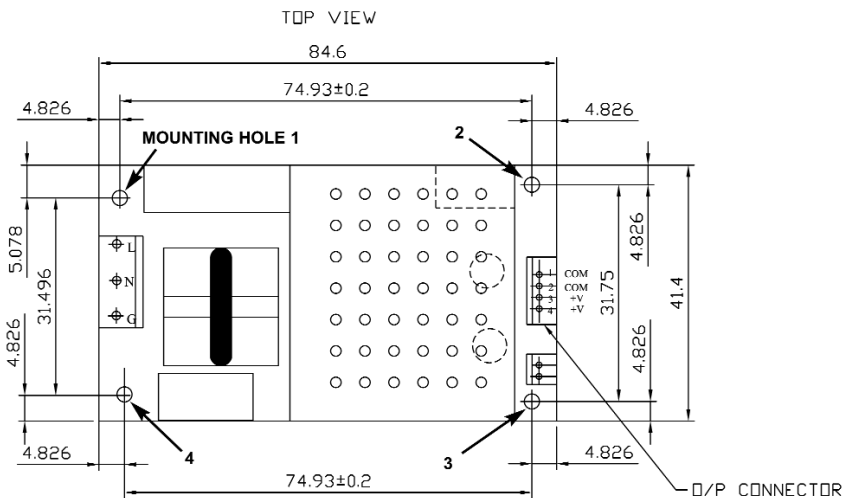


CLASS I OR II INPUT CONFIGURATION:

OPEN FRAME STRAIGHT SQUARE PIN LOCKING HEADERS, WITH .312(7.92) BETWEEN CONDUCTORS, .045 (1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-65-2038 (3 CIRCUITS, WITH 1 PIN REMOVED FOR CLASS II). HEADER MATES WITH MOLEX NO. 2139 CONNECTOR OR EQUIVALENTS.

PCB MOUNT:

STRAIGHT SQUARE PIN NON-LOCKING HEADER, WITH .312 (7.92) BETWEEN CONDUCTORS, .045(1.14) SQUARE PINS, TIN PLATED UL 94V-0 RATED NYLON HOUSING, MOLEX: 09-67-4031 (3 CIRCUITS, WITH 1 PIN REMOVED OR CLASS II), SYSTEM BOARD SOLDERED.



POWER SUPPLY PCB

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**0-20 Watts, Desktop Universal Input, ITE
Dual Output Switchmode Supply**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 1.0 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT POWER (RATED):
15 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, +5% FOR SECOND AND
± 10% FOR THIRD OUTPUT (10% MIN. LOAD ON MAIN OUTPUT)

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500 μS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE FOR
MAIN OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
1.1 - 1.3 IO HICCUP WITH AUTO RECOVERY

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:UL 60950 / 1950, CUL T 22.2 # 234, 950, TUV TO EN 60950,
CE CLASS I, PSE TO J60950**DIELECTRIC WITHSTAND VOLTAGE:**

1500VAC PRIMARY-SECONDARY;1500 VAC PRIMARY- GROUND

LEAKAGE CURRENT:

3.5 mA MAX

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:COMPLIES WITH EN55022, CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED**CE MARK:**TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3 AND
EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3,
EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11
LEVEL 4, UNIT IS ELIGIBLE FOR CE MARK**MTBF:**SHALL BE 200,000 HOURS OR GREATER AT 25°C AMBIENT
TEMPERATURE**OPERATING TEMPERATURE:**

0° C TO 40° C

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-4202D-2A	+ 5	2.5	0 - 20
	+ 12	0.5	
GT-4202D-2	+ 5	2.5	0 - 20
	+ 12	0.8	
GT-4202D-1A	+ 5	1.5	0 - 20
	+ 12	1.5	

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-4202D SERIES-20W



0-20 Watts, Desktop Universal Input, ITE Dual Output Switchmode Supply

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

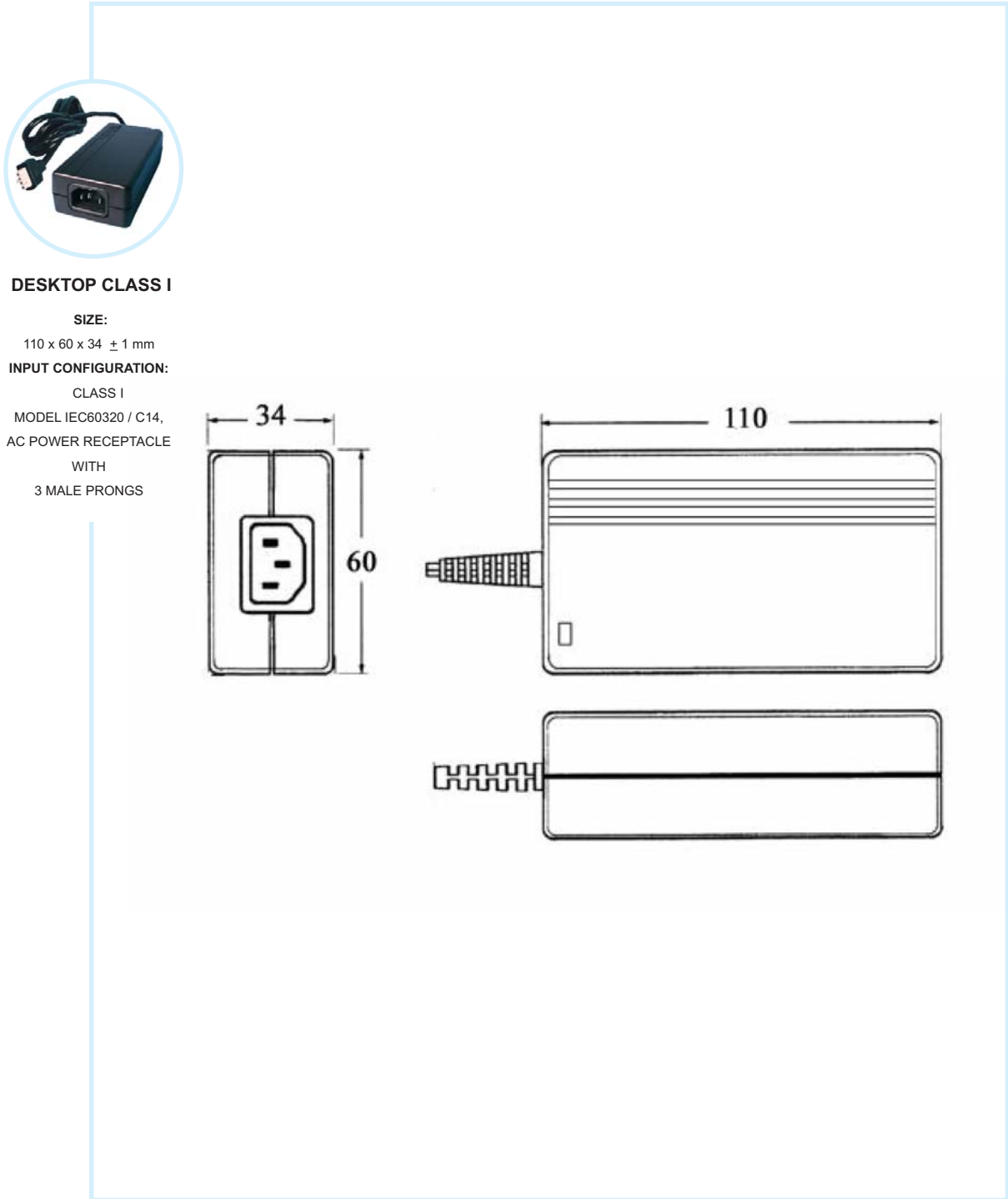


 INDOOR USE ONLY



ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.



DESKTOP CLASS I

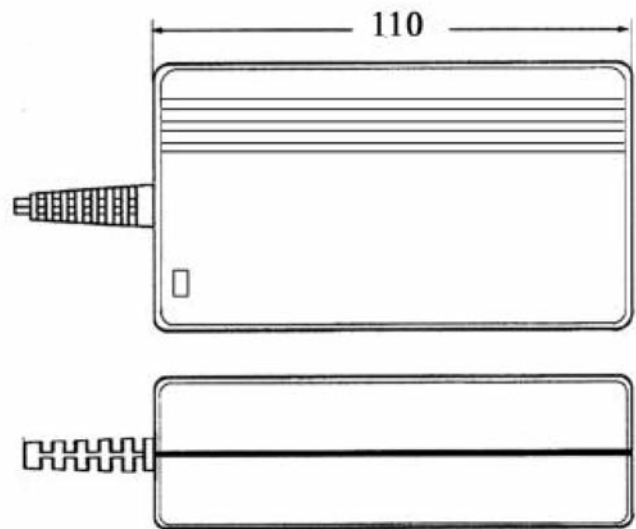
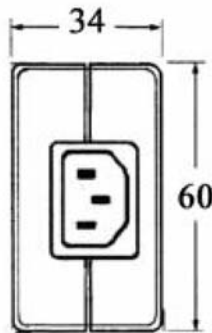
SIZE:

110 x 60 x 34 ± 1 mm

INPUT CONFIGURATION:

CLASS I

MODEL IEC60320 / C14,
AC POWER RECEPTACLE
WITH
3 MALE PRONGS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**0-20 Watts, Desktop Universal Input, ITE
Triple Output Switchmode Supply**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 1.0 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
15 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, +5% FOR SECOND AND
± 10% FOR THIRD OUTPUT (10% MIN. LOAD ON MAIN OUTPUT)

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500 μ S MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE FOR
MAIN OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
1.1 - 1.3 IO HICCUP WITH AUTO RECOVERY

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:
UL 60950, PSE TO J60950, CUL TO 22.2 # 234, 950, TUV TO EN
60950, CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
3.5 mA MAX

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3 AND
EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3,
EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11
LEVEL 4, UNIT IS ELIGIBLE FOR CE MARK

MTBF:
SHALL BE 200,000 HOURS OR GREATER AT 25°C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:
0° C TO 40° C

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-4203D-1A	+ 5	2.0	0 - 20
	+ 12	0.2	0 - 20
	- 12	0.2	0 - 20
GT-4203D-1	+ 5	2.0	0 - 20
	+ 12	1.0	0 - 20
	- 12	0.2	0 - 20

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-4203D SERIES-20W



0-20 Watts, Desktop Universal Input, ITE Triple Output Switchmode Supply

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, COLOR BLACK



DESKTOP CLASS I

SIZE:

110 x 60 x 34 ± 1 mm

INPUT CONNECTOR:

CONFIGURATION:

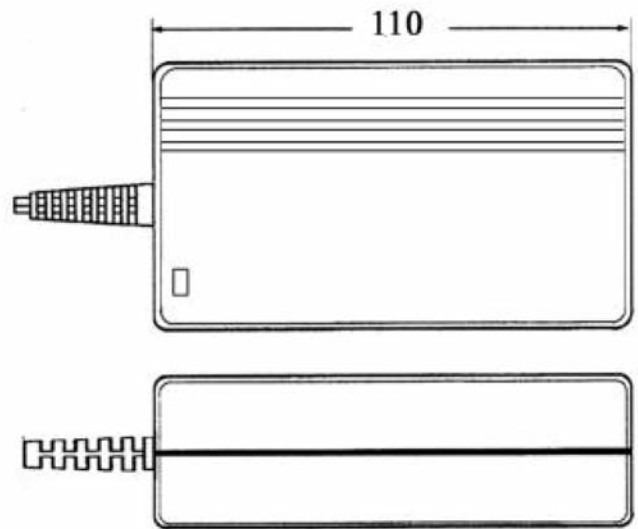
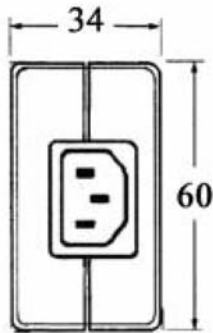
CLASS I

MODEL IEC60320 / C14,

AC POWER RECEPTACLE

WITH

3 MALE PRONGS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



Low-Profile Wall Plug-In, 20 Watt Single Output, VDC@ 3A, Switching Power Supply: N.A., Universal Input, ITE, Class II, EnergyStar

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90 VAC TO 264 VAC
- INPUT CURRENT:**
< 0.7A RMS AT 90 VAC INPUT
- INPUT FREQUENCY:**
47 HZ - 63 HZ
- OUTPUT CURRENT:**
SEE OUTPUT RATING BELOW, NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
20 WATTS MAX
- OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):**
+/-1% OR 50 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.
- OUTPUT REGULATION (LINE/LOAD):**
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
+ 2 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERSHOOT:**
± 5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD
- TURN-ON DELAY:**
1 SEC TYPICAL
- HOLD-UP TIME:**
5 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- EFFICIENCY AVERAGE:**
76 % TYPICAL AT NOMINAL LINE
- NO LOAD POWER CONSUMPTION:**
COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA)
- OUTPUT INDICATOR:**
GREEN LED FOR OUTPUT PRESENT(ONLY FOR 9.5V TO 14.0 DC MODELS)
- SWITCHING FREQUENCY:**
65 KHZ TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT
- OVER-CURRENT/SHORT CIRCUIT:**
PROTECTED, UNIT WILL AUTO-RECOVER UPON REMOVAL OF FAULT

- OTHER PROTECTION:**
INPUT FUSING
- SAFETY APPROVALS:**
UL60950-1:2003, 1-st ED., CUL TO 22.2 # 60950-1:2003,1-st ED., CE CLASS II
- DIELECTRIC WITHSTAND VOLTAGE:**
4242VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY-GROUND
- LEAKAGE CURRENT:**
< 0.25 mAAT NOMINAL AC INPUT VOLTAGE AND FREQUENCY
- EMI:**
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED
- CE MARK:**
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11
- MTBF:**
200,000 HOURS AT 25°C AMBIENT TEMPERATURE
- OPERATING TEMPERATURE:**
0°C TO 40° C
- STORAGE TEMPERATURE:**
20°C TO 85° C
- HUMIDITY:**
0% TO 90% RELATIVE HUMIDITY, OPERATING
- ROHS:**
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

- NOTES:**
1. -: ITE MODEL
 2. EACH OUTPUT CURRENT AND POWER CAN VARY WITHIN ITS DESIGNATION RANGE AS LONG AS THE MAXIMUM CURRENT AND OUTPUT POWER ARE NOT EXCEEDED.
 3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3V THROUGH 14V AND 18V THROUGH 24V IN 0.1V INCREMENTS
 4. -X.X: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL (EXAMPLE: 12 VDC MODEL = GT-81041-2014-2.0-W2).
 5. -W2: STANDARD US WALL PLUG-IN MODEL WITH NEMA 1-15P BLADE CONFIGURATION.
 6. L: OPTIONAL LED (AVAILABLE ONLY FOR 9.5 TO 14.0 V US MODELS)

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81041-2007.5-4.5-W2 (W2A, W2U, W2E, W2K)	+3.00	0 - 3.00	0 - 9
GT-81041-2007.5-2.5-W2 (W2A, W2U, W2E, W2K)	+5.00	0 - 3.00	0 - 15
GT-81041-2007.5-1.5-W2 (W2A, W2U, W2E, W2K)	+6.00	0 - 2.50	0 - 15
GT-81041-2007.5-W2 (W2A, W2U, W2E, W2K)	+7.50	0 - 2.0	0 - 15
GT-81041-2009.4-4-W2 (W2A, W2U, W2E, W2K)	+9.00	0 - 1.60	0 - 14
GT-81041-2014-2-W2 (W2A, W2U, W2E, W2K)	+12.00	0 - 1.70	0 - 20
GT-81041-2014-0.5-W2 (W2A, W2U, W2E, W2K)	+13.50	0 - 1.50	0 - 20
GT-81041-2024-6-W2 (W2A, W2U, W2E, W2K)	+18.00	0 - 1.13	0 - 20
GT-81041-2024-W2 (W2A, W2U, W2E, W2K)	+24.00	0 - 0.85	0 - 20

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED

GT-81041-YYZZ-X.X-W2



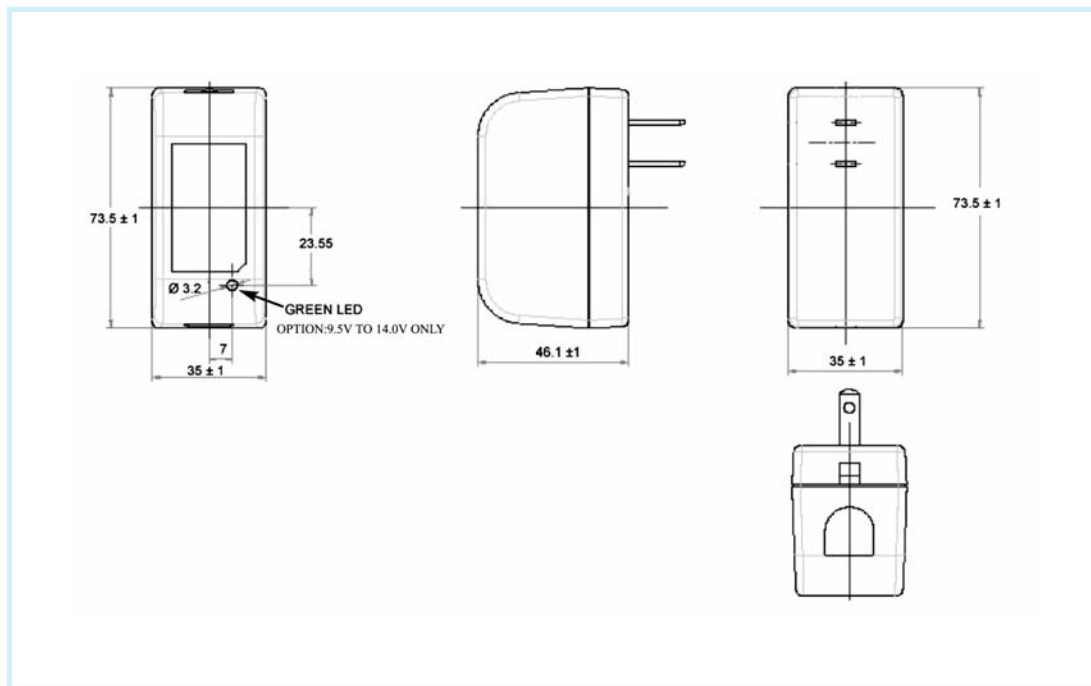
**Low-Profile Wall Plug-In, 20 Watt Single Output, VDC@ 3A,
Switching Power Supply: N.A., Universal Input, ITE, Class II, EnergyStar**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

WALL PLUG-IN CLASS II, UPPER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK



LABEL:
MATERIAL: .007 (0.18) THICK FLAT THERMAL TRANSFER, IMPRINTABLE, BLACK POLYESTER SHEET WITH SILVER WHITE TEXT.

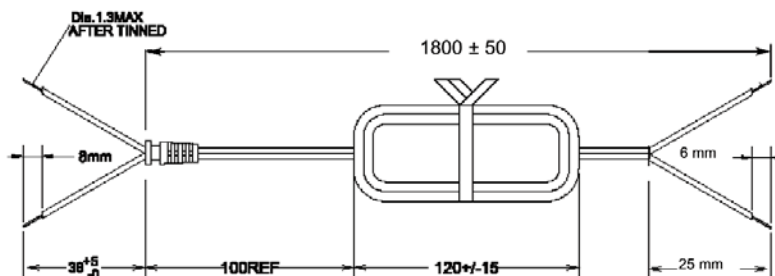
MANUFACTURER:
STEVEN LABEL, MATERIAL I.D. NO. 3302-33, UL FILE NO. MH12821(N), UL MATERIAL DESIGNATION FILE NO. GW332RL. OPTIONAL LABEL MATERIAL CAN BE SUBSTITUTED PROVIDING MATERIAL IS UL LISTED AND COMPLIES WITH APPLICABLE SAFETY REQUIREMENTS.

PACKING:
MATERIAL:
CORRUGATED FIBERBOARD, FLUTE 0.8 (2.0) THICK, DOUBLE WALL CONSTRUCTION.

EXTERNAL FINISH:
WHITE, COATED WITH GLOSS FINISH (AQUEOUS OR VARNISH) STYLE: TUCK SIDES WITH LOCKING TABS ON BOTH SIDES OF BOX. NO PRINTING ON THE OUTSIDE OF BOX.



XXXX - USA OR CHINA



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**20 Watt Wall Plug-In, Switching Power Supply,
Universal Input, ITE, Class II, Energy Star, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.7 AMP RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW
VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 500µs TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
5mS MINIMUM AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<0.25 mA AT NOMINAL VAC INPUT VOLTAGE AND FREQUENCY

APPROVALS

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 2nd Edition; N-MARK TO EN60950-1 2nd Edition
CB REPORT
CE CLASS II
PSE TO J60950

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V
COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81087-2007.5-2.5-W2	5.0	0 - 3.0	0 - 15
GT-81087-2007.5-W2	7.5	0 - 3.0	0 - 15
GT-81087-2012-W2	12.0	0 - 2.0	0 - 20.4
GT-81087-2018-W2	18.0	0 - 1.36	0 - 20.4

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-81087-20VV-X.X-W2



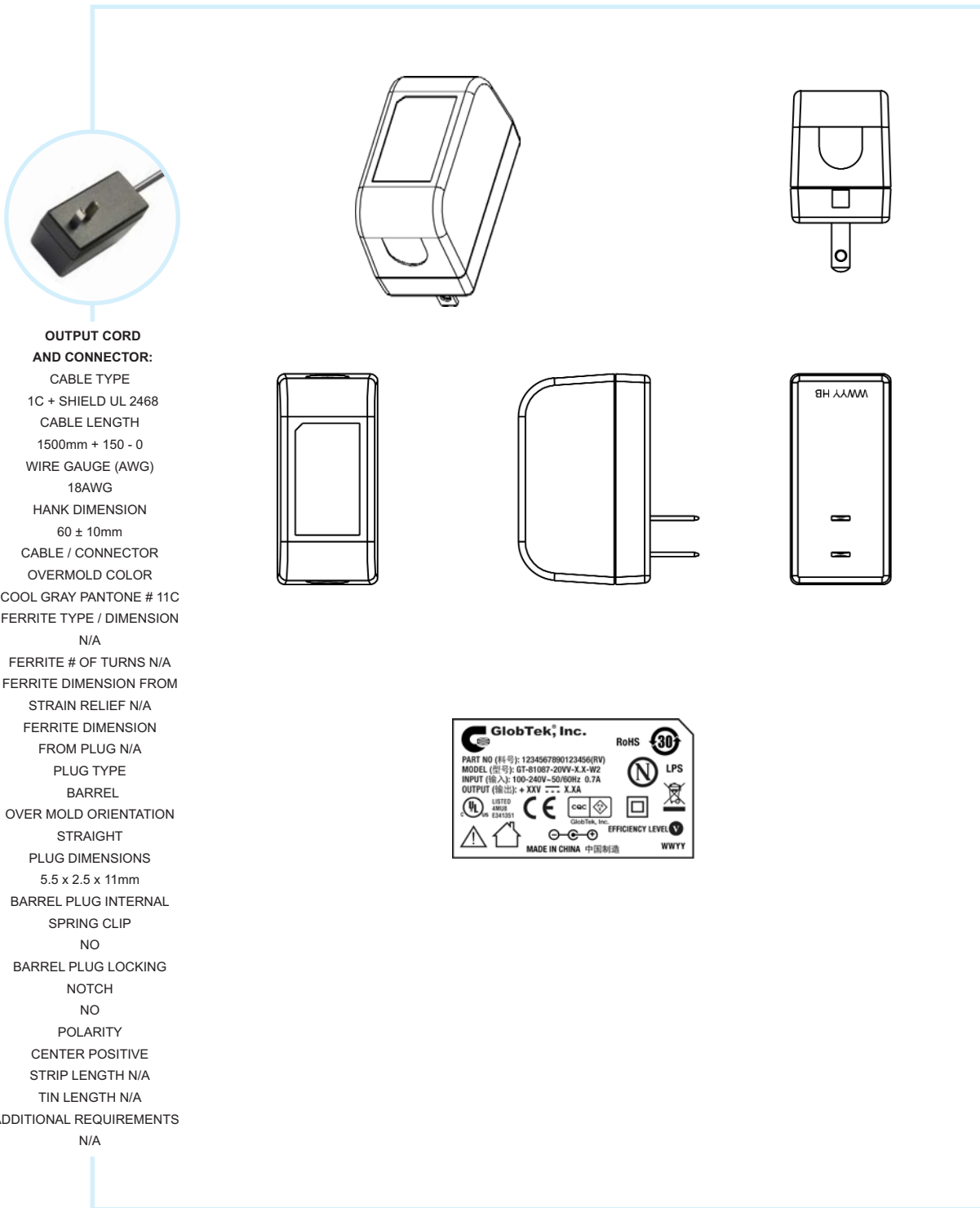
**20 Watt Wall Plug-In, Switching Power Supply,
Universal Input, ITE, Class II, Energy Star, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE:

LOWER HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 73.5 x 46.0 x 35.0mm +/- 1.0



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**20 Watt Wall Plug-In, Switching Power Supply,
Universal Input, ITE, Class II, Energy Star, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.7 AMP RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW
VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 500µs TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
5mS MINIMUM AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<0.25 mA AT NOMINAL VAC INPUT VOLTAGE AND FREQUENCY

APPROVALS

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 2nd Edition; N-MARK TO EN60950-1 2nd Edition
CB REPORT
CE CLASS II
PSE TO J60950

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V
COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81087-2007.5-2.5-W2E	5.0	0 - 3.0	0 - 15
GT-81087-2007.5-W2E	7.5	0 - 3.0	0 - 15
GT-81087-2012-W2E	12.0	0 - 2.0	0 - 20.4
GT-81087-2018-W2E	18.0	0 - 1.36	0 - 20.4

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-81087-20VV-X.X-W2E



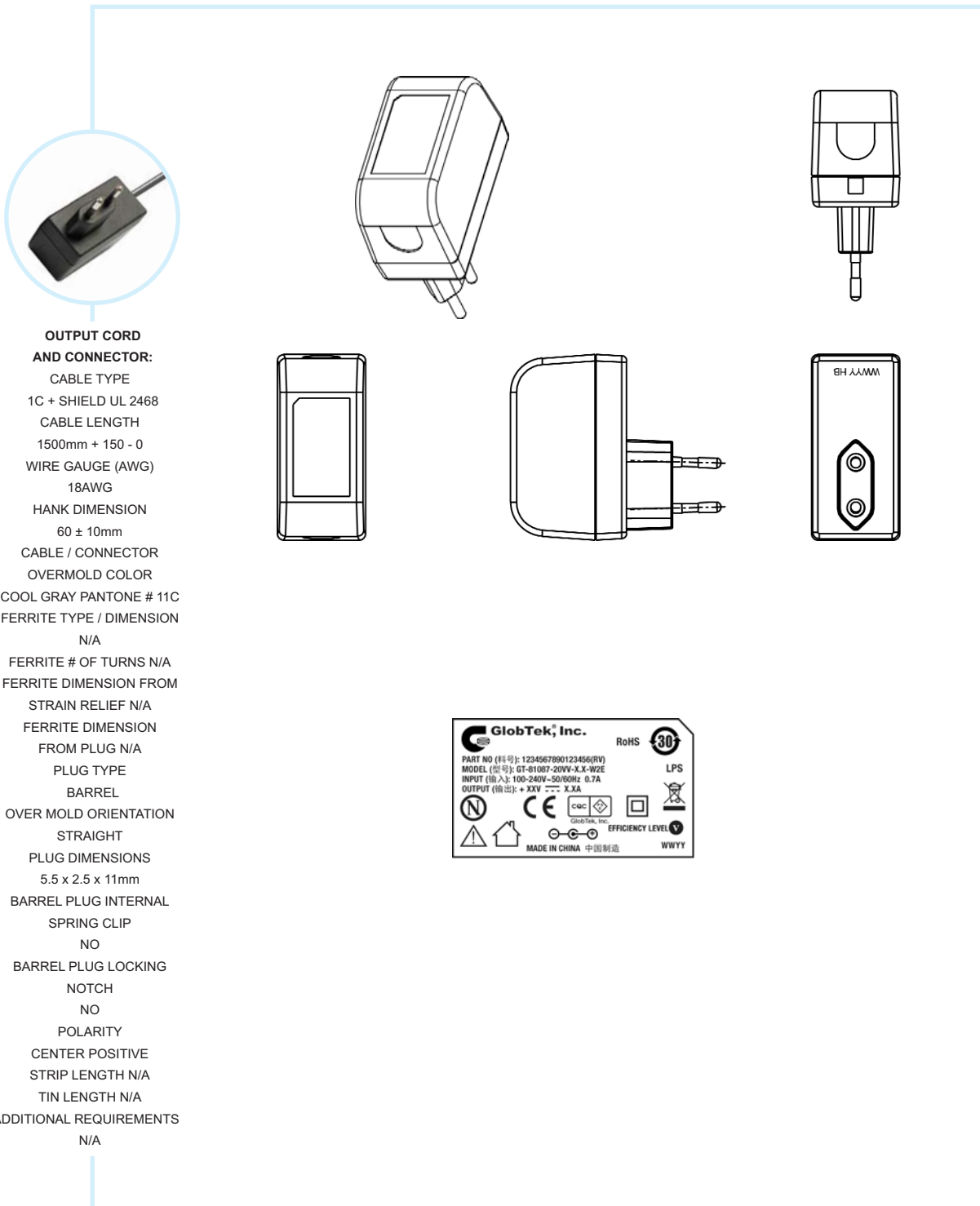
**20 Watt Wall Plug-In, Switching Power Supply,
Universal Input, ITE, Class II, Energy Star, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE:

LOWER HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 73.5 x 46.0 x 35.0mm +/- 1.0



**OUTPUT CORD
AND CONNECTOR:**

- CABLE TYPE
1C + SHIELD UL 2468
- CABLE LENGTH
1500mm + 150 - 0
- WIRE GAUGE (AWG)
18AWG
- HANK DIMENSION
60 ± 10mm
- CABLE / CONNECTOR
OVERMOLD COLOR
COOL GRAY PANTONE # 11C
- FERRITE TYPE / DIMENSION
N/A
- FERRITE # OF TURNS N/A
- FERRITE DIMENSION FROM
STRAIN RELIEF N/A
- FERRITE DIMENSION
FROM PLUG N/A
- PLUG TYPE
BARREL
- OVER MOLD ORIENTATION
STRAIGHT
- PLUG DIMENSIONS
5.5 x 2.5 x 11mm
- BARREL PLUG INTERNAL
SPRING CLIP
NO
- BARREL PLUG LOCKING
NOTCH
NO
- POLARITY
CENTER POSITIVE
- STRIP LENGTH N/A
- TIN LENGTH N/A
- ADDITIONAL REQUIREMENTS
N/A



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**20 Watt Wall Plug-In, Switching Power Supply,
Universal Input, ITE, Class II, Energy Star, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.7 AMP RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW

VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 2% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 500µS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
5mS MINIMUM AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<0.25 mA AT NOMINAL VAC INPUT VOLTAGE AND FREQUENCY

APPROVALS

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 2nd Edition; N-MARK TO EN60950-1 2nd Edition
CB REPORT
CE CLASS II
PSE TO J60950

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V
COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81087-2007.5-2.5-W2EU	5.0	0 - 3.0	0 - 15
GT-81087-2007.5-W2EU	7.5	0 - 3.0	0 - 15
GT-81087-2012-W2EU	12.0	0 - 2.0	0 - 20.4
GT-81087-2018-W2EU	18.0	0 - 1.36	0 - 20.4

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-81087-20VV-X.X-W2EU



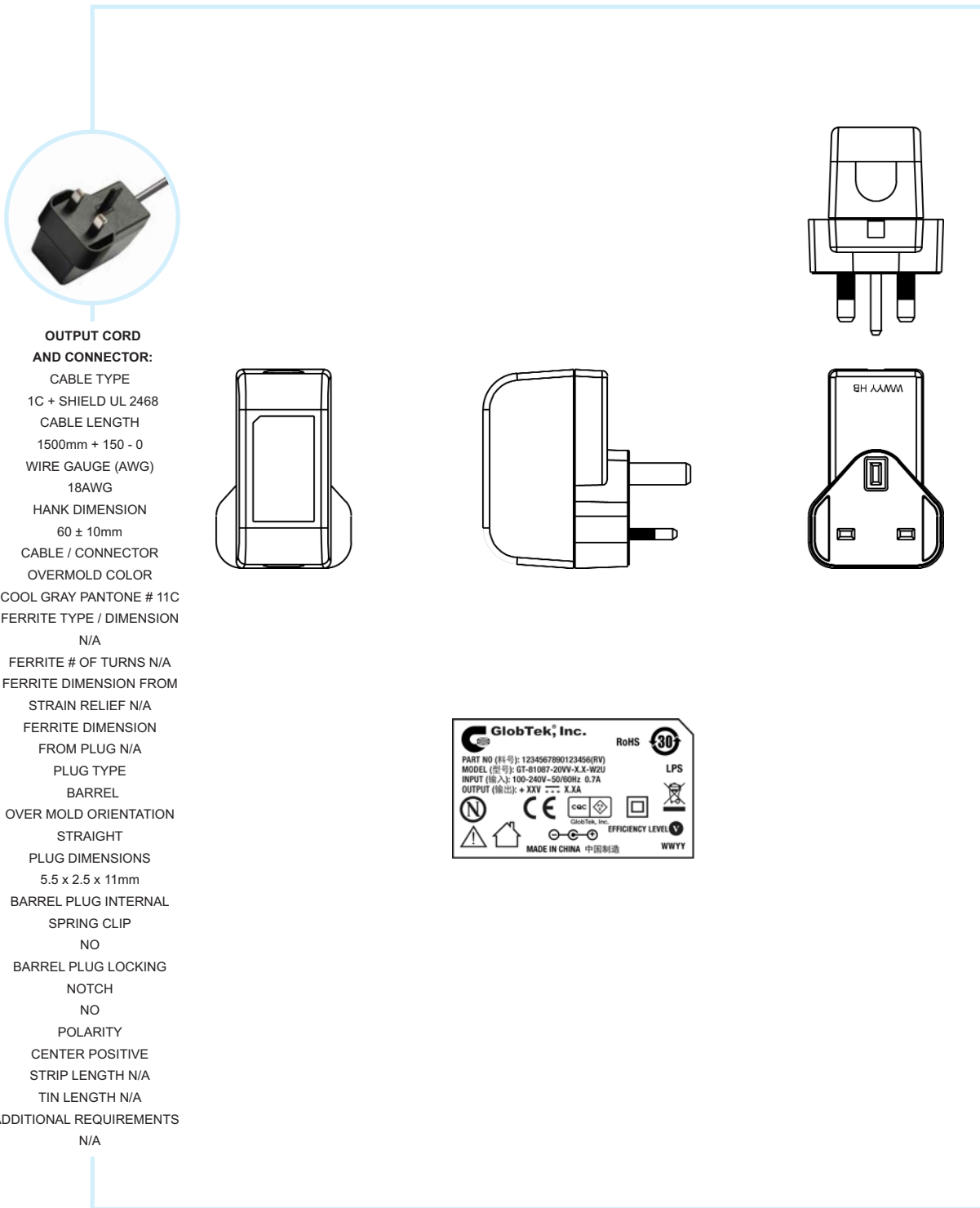
**20 Watt Wall Plug-In, Switching Power Supply,
Universal Input, ITE, Class II, Energy Star, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE:

LOWER HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 73.5 x 46.0 x 35.0mm +/- 1.0



**OUTPUT CORD
AND CONNECTOR:**

- CABLE TYPE
1C + SHIELD UL 2468
- CABLE LENGTH
1500mm + 150 - 0
- WIRE GAUGE (AWG)
18AWG
- HANK DIMENSION
60 ± 10mm
- CABLE / CONNECTOR
OVERMOLD COLOR
COOL GRAY PANTONE # 11C
- FERRITE TYPE / DIMENSION
N/A
- FERRITE # OF TURNS N/A
- FERRITE DIMENSION FROM
STRAIN RELIEF N/A
- FERRITE DIMENSION
FROM PLUG N/A
- PLUG TYPE
BARREL
- OVER MOLD ORIENTATION
STRAIGHT
- PLUG DIMENSIONS
5.5 x 2.5 x 11mm
- BARREL PLUG INTERNAL
SPRING CLIP
NO
- BARREL PLUG LOCKING
NOTCH
NO
- POLARITY
CENTER POSITIVE
- STRIP LENGTH N/A
- TIN LENGTH N/A
- ADDITIONAL REQUIREMENTS
N/A



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

**0-20 Watts, DC/DC Desktop Switchmode Power Supply,
Single Output Family 11-16 VDC Input, ITE, Class II**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE:**

11-16 VDC

INPUT CURRENT:

< 2.7A (R.M.S.)

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

23 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

4% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD

INRUSH CURRENT:

20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS (PENDING):

ITE MODEL: UL60950, CUL TO 22.2 # 950, TUV GS EN60950
EMI: COMPLIES WITH EN55022, CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-
4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4.

MTBF:GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE**OPERATING TEMPERATURE:**

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

WEIGHT:

165 g

MODEL NUMBER CODE:

GT-2: INTERNAL CODE; D: ITE MODELDC INPUT
1088: FAMILY ENCLOSURE DESIGNATION;
L(M,H): I/P VOLTAGE (NOM.): L:12V(10~15VDC);
M:24V(18~36VDC); H:48V(36~72VDC)
0803 TO 2010: O/P POWER/VOLTAGE

NOTES:

1. -: ITE MODEL OR (M): MEDICAL MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATION RANGE., AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
4. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:**CLASS II MODELS, DOUBLE INSULATED, T2**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD21088L-0803-T2	+ 3.30	0 - 2.50	0 - 9
GTD21088L-1105-T2	+ 5.0	0 - 2.20	0 - 11
GTD21088L-1505-T2	+ 5.0	0 - 3.0	0 - 15
GTD21088L-1806-T2	+ 6.0	0 - 3.0	0 - 18
GTD21088L-1207-T2	+ 7.50	0 - 1.50	0 - 12
GTD21088L-1907-T2	+ 7.50	0 - 2.50	0 - 19
GTD21088L-2309-T2	+ 9.0	0 - 2.50	0 - 23
GTD21088L-2010-T2	+ 10.0	0 - 2.0	0 - 20

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



**0-20 Watts, DC/DC Desktop Switchmode Power Supply,
Single Output Family 11-16 VDC Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE: DESKTOP, DUAL CORD

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK



SIZE:

57 x 48 x 26 + 1mm

INPUT CONNECTOR:

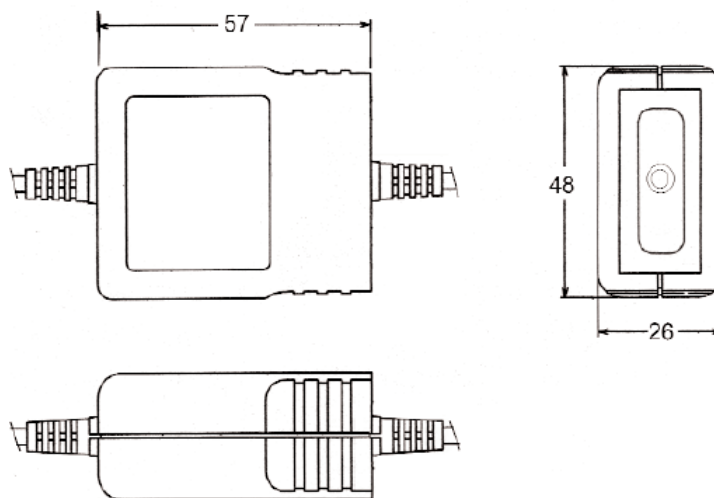
2 CONDUCTOR, 18AWG STRANDED
WIRE, FLAT UL VW-1 RATED UL
2464 CORD TYPE, COLOR BLACK ,

LENGTH OF CORD:

1830 + 50mm.

CORD IS MEASURED FROM THE
HOUSING TO THE END OF
OVERMOLD OF THE CONNECTOR.

CABLE MARKED WITH WIRE
GAUGE, AND ALL APPLICABLE
RATING AND SAFETY APPROVALS.



INPUT CONNECTOR:

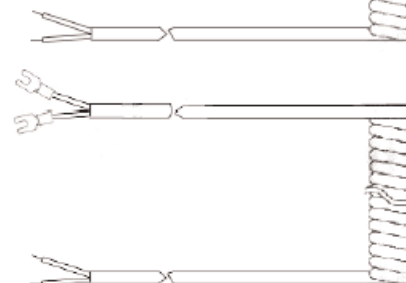
OPTION # 1:

CAR MALE CIGARETTE LIGHTER DC
POWER PLUG (+,-) TIP POSITIVE WITH
5A/125V SLO-BLO FUSE



OPTION # 2:

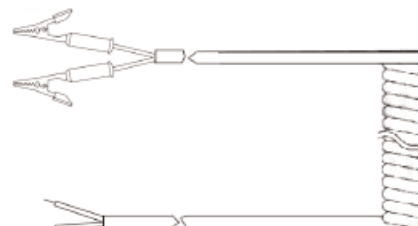
SPADE TONGUE TERMINAL 0.25" FAST
ON SOFT INSULATION TYPE



INPUT CONNECTOR:

OPTION # 3:

ALLIGATOR CLIPS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



Wall Outlet USB Receptacle, 20 Watts Total, 5 Watts (5VDC@1A Per Port) (Total of 4 Ports Universal Input, ITE, Class II)

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

100-240 VAC

INPUT CURRENT:

0.2 A RMS MAX

INPUT FREQUENCY:

47 - 63 HZ

OUTPUT VOLTAGE:

5 VDC

OUTPUT CURRENT:

1.0 A PER PORT, 4.0 A TOTAL FOR 4 PORTS NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):

5 WATTS MAX PER PORT, 20 WATTS TOTAL POWER

OUTPUT RIPPLE (PEAK TO PEAK):

1% OR 50 MV WHICHEVER IS GREATER. MEASURED AT 20 MHZ BANDWIDTH WITH 0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 10 MF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

OUTPUT LOAD REGULATION:

+2% OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE

LINE REGULATION:

+1% OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR

TURN ON/ TURN OFF OVERSHOOT:

± 5% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

3000 MSEC MAX

HOLD-UP TIME:

8 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

30 A MAX AT COLD START 115 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:

66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

OVER-CURRENT / SHORT CIRCUIT:

PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

OTHER PROTECTION:

INPUT LINE FUSING

SAFETY APPROVALS (PENDING):

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:

0.25 MA

EMI:

PENDING

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3, EN60601-1-2 2001, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11.

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-10°C TO 70° C

HUMIDITY:

10% TO 90% RELATIVE HUMIDITY

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91129-2005-USB	+5.0	0 - 1.0 PER PORT	0 - 5.0 PER PORT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

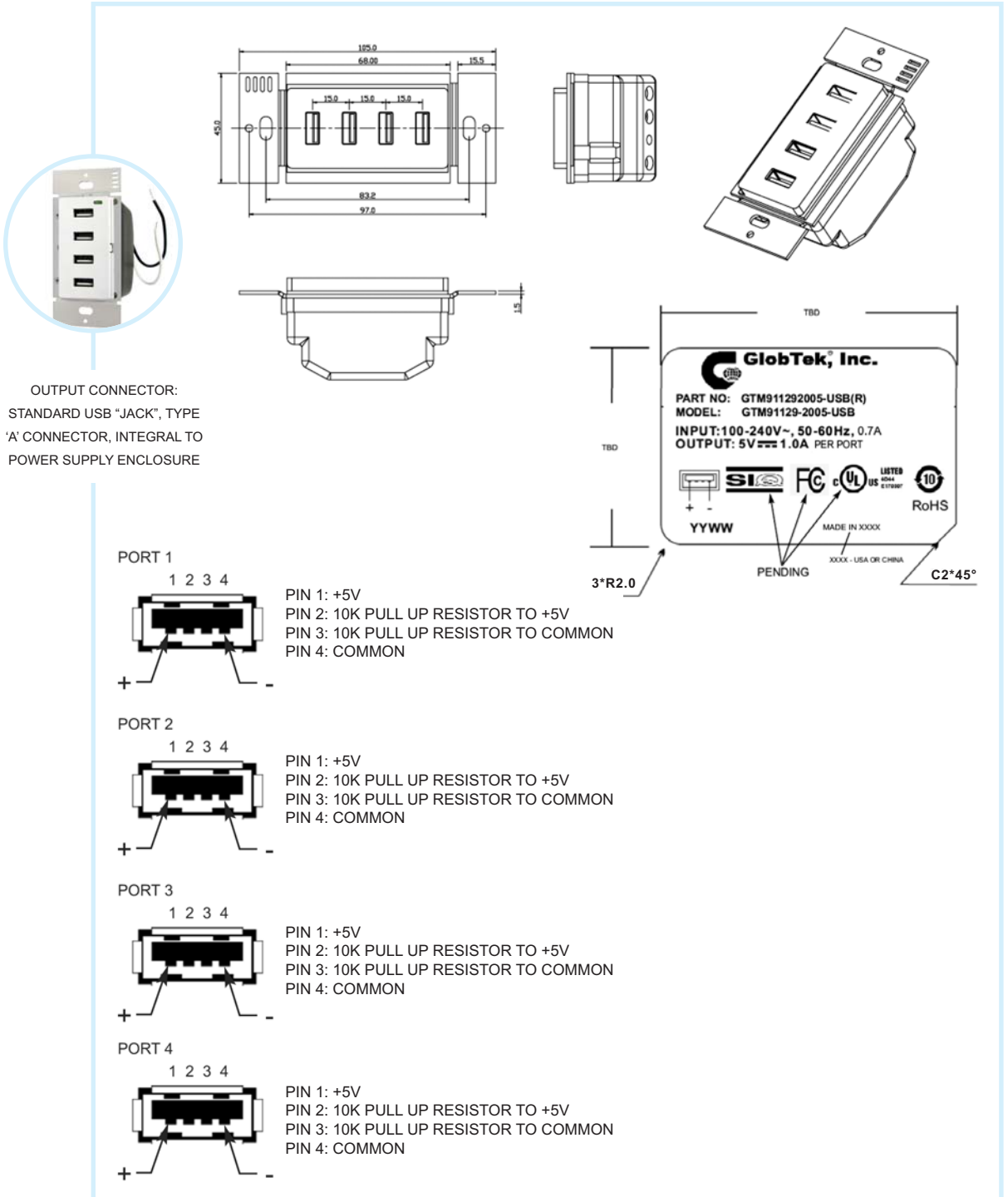
**Wall Outlet USB Receptacle, 20 Watts Total, 5 Watts (5VDC@1A Per Port)
(Total of 4 Ports Universal Input, ITE, Class II)**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

DIMENSIONS: 105.0 x 45.0 mm



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



In-Line Switching Power Supply, 20 Watts, Universal Input, Potted with Wire Harness, with Terminal Blocks or with Pins

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
0.6 AMP RMS MAX

INPUT FREQUENCY:
47-63 HZ

OUTPUT VOLTAGE:
XXX VDC

OUTPUT CURRENT:
X.X A, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
20 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 5% MAX AT FULL LOAD

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 50 MV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHZ BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERTHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
8MS MIN AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
40 A MAX AT COLD START 120 VAC, 80A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED BY ZENER DIODE ACROSS THE OUTPUT

SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY UPON REMOVAL OF FAULT

INPUT:
INPUT FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:
≤100 µA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL(PENDING):
EN60335, EN60950, UL1310,UL60601-1

EMI (PENDING):
COMPLIES WITH EN55011 AND EN55022 CLASS B AND FCC PART 15 CLASS B, WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 50° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

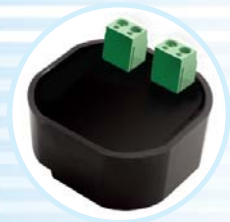
IP RATING:
IP65

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM93021-2005-P2/T2/D2	PR9xA4000YYYCHM(RVB)	+5.00	0 - 4.00	0 - 20
GTM93021-2006-P2/T2/D2	PR9xB3333YYYCHM(RVB)	+6.00	0 - 3.33	0 - 20
GTM93021-2007-P2/T2/D2	PR9xC2666YYYCHM(RVB)	+7.50	0 - 2.67	0 - 20
GTM93021-2009-P2/T2/D2	PR9xD2222YYYCHM(RVB)	+9.00	0 - 2.22	0 - 20
GTM93021-2012-P2/T2/D2	PR9xE1666YYYCHM(RVB)	+12.00	0 - 1.67	0 - 20
GTM93021-2015-P2/T2/D2	PR9xG1333YYYCHM(RVB)	+15.00	0 - 1.33	0 - 20
GTM93021-2018-P2/T2/D2	PR9xH1111YYYCHM(RVB)	+18.00	0 - 1.11	0 - 20
GTM93021-2020-P2/T2/D2	PR9xZ1000YYYCHM(RVB)	+20.00	0 - 1.00	0 - 20
GTM93021-2024-P2/T2/D2	PR9xI833YYYCHM(RVB)	+24.00	0 - 0.83	0 - 20
GTM93021-2030-P2/T2/D2	PR9xR670YYYCHM(RVB)	+30.00	0 - 0.67	0 - 20
GTM93021-2036-P2/T2/D2	PR9xY560YYYCHM(RVB)	+36.00	0 - 0.56	0 - 20
GTM93021-2048-P2/T2/D2	PR9xX420YYYCHM(RVB)	+48.00	0 - 0.42	0 - 20

Model Number Suffix:
P2=Flying Leads
T2=Terminal Blocks
T2=PCB Mount

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008 REGISTERED

GTM93021-WWVV-X.X-P



In-Line Switching Power Supply, 20 Watts, Universal Input, Potted with Wire Harness, with Terminal Blocks or with Pins

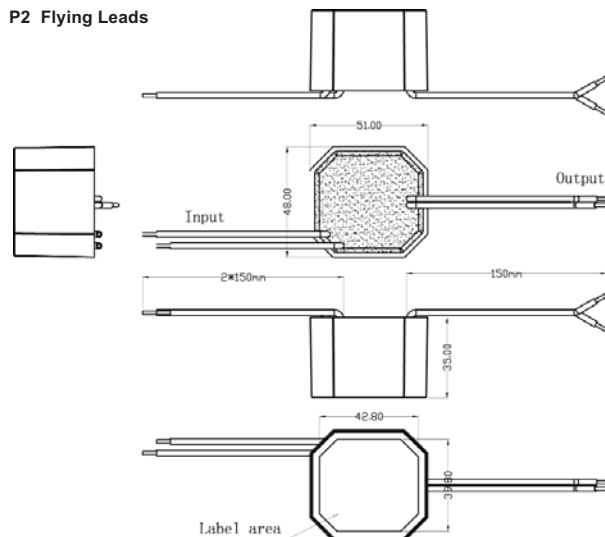
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

MATERIAL: PC+ABS
COLOR: BLACK
DIMENSIONS: 51.00 x 48.00 x 35.00 mm, DESIGNED TO FIT IN A STANDARD EUROPEAN WALL RECEPTACLE BOX (Hohlwanddose) PER VDE0606

P2 Flying Leads



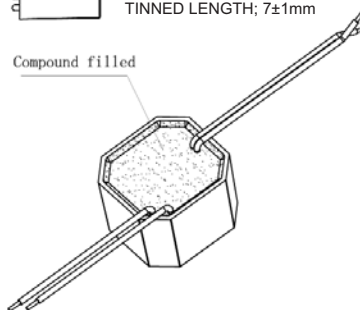
INPUT CORD:

CABLE COLOR: BROWN/BLUE
CABLE LENGTH: 185±5mm
WIRE GAUGE: 18 AWG
STRIP LENGTH: N/A
TINNED LENGTH: 7±1mm

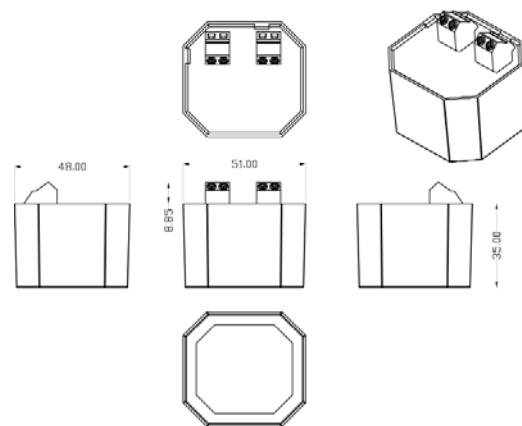
OUTPUT CORD:

CABLE TYPE: UL2468
CABLE COLOR: RED/BLACK
CABLE LENGTH: 185±5mm
WIRE GAUGE: 18 AWG
STRIP LENGTH: N/A
TINNED LENGTH: 7±1mm

Compound filled



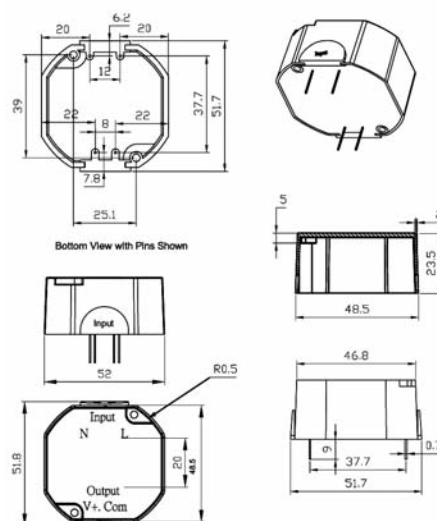
T2 Terminal Blocks



PCB Mount

INPUT CONNECTION:
SOLDER PINS FOR LINE & NEUTRAL, 0.64mm SQUARE PINS, 10mm LONG, 12mm CENTER TO CENTER SPACING BETWEEN PINS

OUTPUT CONNECTION:
SOLDER PINS FOR V+ AND COM, 0.64mm SQUARE PINS, 10mm LONG, 8mm CENTER TO CENTER SPACING BETWEEN PINS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**0-23 Watts, Open Frame, Universal Input, ITE, Dual Output,
Switchmode Power Supply**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:**INPUT VOLTAGE:**

90 VAC TO 264 VAC

INPUT CURRENT:

≤ 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

± 3.3 VDC @ 6.0A; +5VDC@0.5A

OUTPUT POWER (RATED):

22.3 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% OF OUTPUT VOLTAGE TYPICAL

OUTPUT REGULATION (LINE/LOAD):

+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

4% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

16 m SEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

CONSTANT CURRENT AT 110% TO 130% OF NOMINAL LOAD

SHORT CIRCUIT:

MOMENTARY OUTPUT SHORT CIRCUIT PROTECTED

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

UR TO UL 60950, C-UR TO 22.2 # 950 CLASS II W/FUNCTIONAL GROUND, CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:

5656 VAC PRIMARY-SECONDARY; 2121 VAC, PRIMARY- GROUND

LEAKAGE CURRENT:

≤ 3.5 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 , CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25° C AMBIENT TEMP.

OPERATING TEMPERATURE:

0° C TO 40° C

STORAGE TEMPERATURE:

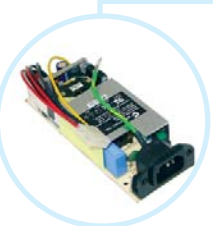
-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	DUAL OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-22038	+5.0	4.46	0 - 23
	+3.3	6.76	

MECHANICAL DRAWINGS**CONFIGURATION:** OPEN FRAME SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN.**OUTPUT HARNESS:** CONDUCTOR, 24 AWG STRANDED WIRE, FLAT UL 1007 CORD TYPE, COLOR BLACK, LENGTH OF CORD: 1830 + 50 mm. CORD IS MEASURED FROM THE PCB TO THE END OF THE CONNECTOR. CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.**OUTPUT CONNECTOR:** FEMALE 3.96 mm PITCH, MOLEX 3961, 6 CIRCUIT, OR EQUIVALENT.**SIZE:**

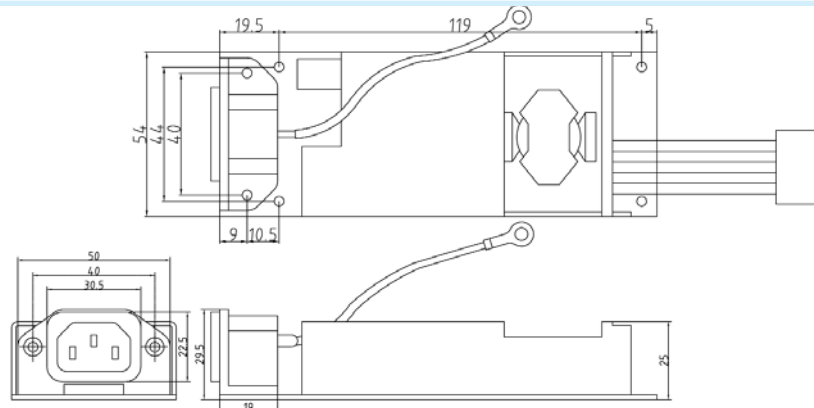
143 x 54 x 26 ± 1 mm

INPUT CONNECTOR:

IEC 60320 / C14, 3 PIN MALE,

PANEL MOUNT

RECEPTACLE



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-41130-20VV-X.X-W2, W2E, W2U



**24 Watts, Switching Power Supply, Wall Plug-In,
Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

100 VAC TO 240 VAC

INPUT CURRENT:

< 0.8A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

OUTPUT POWER (RATED):

24 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT
20 MHz BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN
PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR
AT NOMINAL LINE

OUTPUT LOAD REGULATION:

+5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:

+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

TURN ON/TURN OFF OVERSHOOT:

5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR
25% STEP LOAD

TURN-ON DELAY:

1 SECOND, TYPICAL

HOLD-UP TIME:

8mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:

30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT

SWITCHING FREQUENCY:

65 KHZ TYPICAL

OVER-VOLTAGE:

PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:

PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF
FAULT

INPUT:

INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:

<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVALS:

UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO
60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003,
GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING) , C-TICK
TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15
CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998_A1:2000,
EN610003-2, E610003-3 INCLUDING EN61204-3:2000,
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5,
EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SEC-
TION 301 OF THE ENERGY INDEPENDENCE AND SECURITY
ACT (EISA) CEC TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA),
CODE OF CONDUCT (EUROPE)

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY, OPERATING

STORAGE TEMPERATURE:

10°C TO 80° C

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41130-2012-2.0-W2	+10.00	0 - 2.00	0 - 20
GT-41130-2012-W2	+12.00	0 - 2.00	0 - 24
GT-41130-2024-9.0-W2	+15.00	0 - 1.60	0 - 24
GT-41130-2024-8.0-W2	+16.00	0 - 1.50	0 - 24
GT-41130-2024-W2	+24.00	0 - 1.00	0 - 24

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

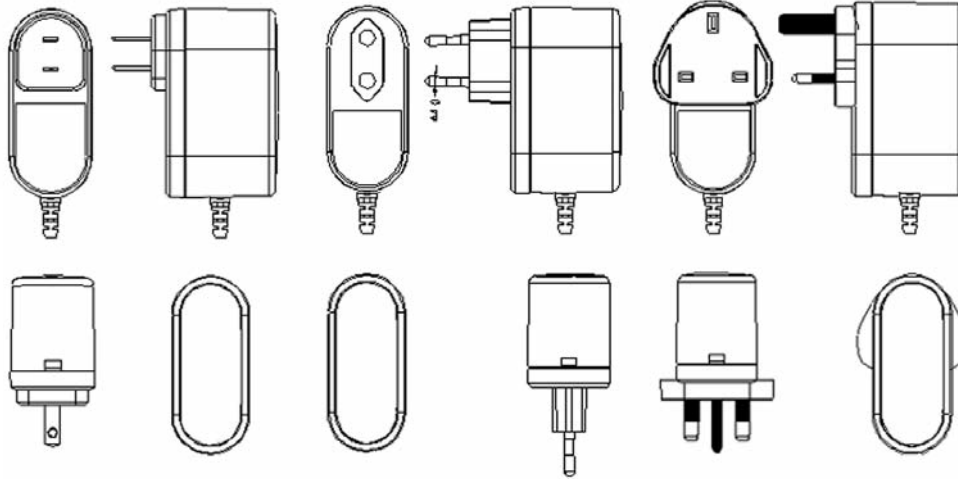


24 Watts, Switching Power Supply, Wall Plug-In, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: W2U, 35 x 80 x 47.6mm
AC INLET: W2, NEMA 1-15 WITH 2 BLADES, W2E, CEE7/16 AC POWER PLUG WITH 2 PRONGS, W2U, UK BS 1363/ 3 PRONGS

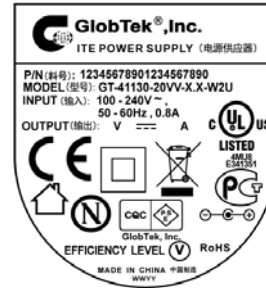


OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG):
18AWG
HANK DIMENSION:
70 ± 10mm

CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY
PANTONE # 11C
FERRITE TYPE / DIMENSION:
N/A

FERRITE # OF TURNS:
N/A
FERRITE DIMENSION FROM STRAIN RELIEF:
N/A
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL OVER MOLD
ORIENTATION:
STRAIGHT

PLUG DIMENSIONS:
5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY:
CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED

GT-41130-20VV-X.X-T2, T3, T3A



**20-24 Watts, Desktop Switching Power Supply,
Universal Input ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
<0.8 A RMS MAX

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
10-24 VDC

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

RATED OUTPUT POWER:
24 WATTS, MAXIMUM

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT
20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN
PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE

TURN-ON/TURN-OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 1st EDITION, NEMKO TO
60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003,
GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO
55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-
2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N
EN61000-4-11

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO
SECTION 301 OF THE ENERGY INDEPENDENCE AND
SECURITY ACT (EISA). CECP TIER 2 (CHINA), MEPS TIER 2
(AUSTRALIA), CODE OF CONDUCT (EUROPE)

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO 80°C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41130-2012-2.0-T2	+ 10.0	0 - 2.00	0 - 20
GT-41130-2012-T2	+ 12.0	0 - 2.00	0 - 24
GT-41130-2024-9.0-T2	+ 15.0	0 - 1.60	0 - 24
GT-41130-2024-8.0-T2	+ 16.0	0 - 1.50	0 - 24
GT-41130-2024-T2	+ 24.0	0 - 1.00	0 - 24
GT-41130-2012-2.0-T3	+ 10.0	0 - 2.00	0 - 20
GT-41130-2012-T3	+ 12.0	0 - 2.00	0 - 24
GT-41130-2024-9.0-T3	+ 15.0	0 - 1.60	0 - 24
GT-41130-2024-8.0-T3	+ 16.0	0 - 1.50	0 - 24
GT-41130-2024-T3	+ 24.0	0 - 1.00	0 - 24
GT-41130-2012-2.0-T3A	+ 10.0	0 - 2.00	0 - 20
GT-41130-2012-T3A	+ 12.0	0 - 2.00	0 - 24
GT-41130-2024-9.0-T3A	+ 15.0	0 - 1.60	0 - 24
GT-41130-2024-8.0-T3A	+ 16.0	0 - 1.50	0 - 24
GT-41130-2024-T3A	+ 24.0	0 - 1.00	0 - 24

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



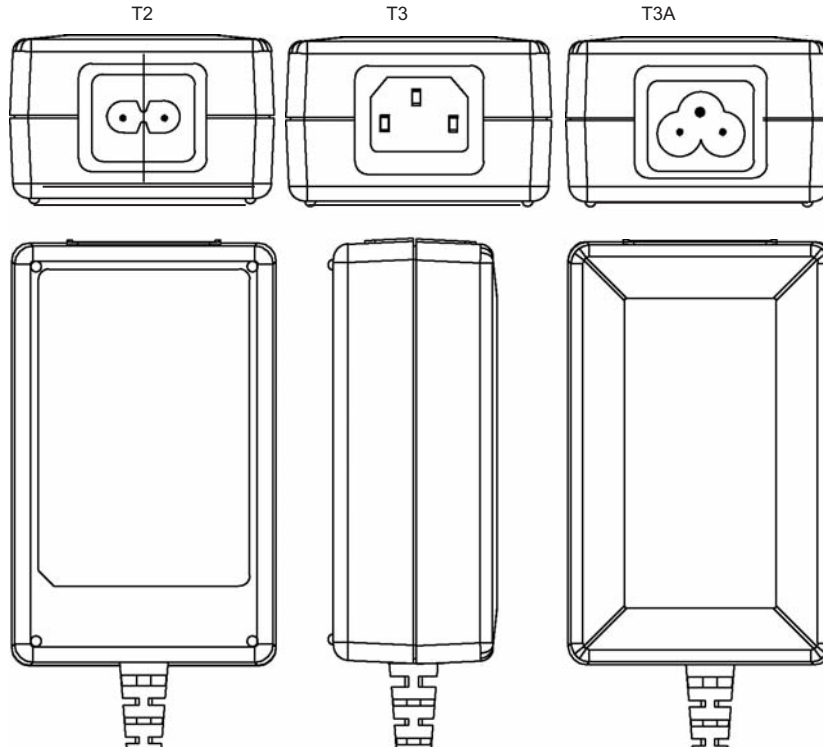
20-24 Watts, Desktop Switching Power Supply, Universal Input ITE, Class I & II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

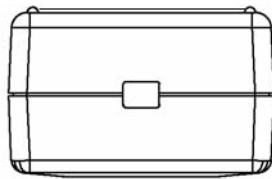


ENCLOSURE

MATERIAL: 94V0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: T2, T3, T3A, 50.0 x 80.6 x 31mm
AC INLET: IEC 60320 / T2, C8, T3, C14, T3A, C6



OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG): 18AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



PENDING

GlobTek[®], Inc.
ITE POWER SUPPLY (电源供应器)

P/N (料号): TR9KU2000LCP-N(RVB)
MODEL (型号): GT-41130-2012-2.0-T2
INPUT (输入): 100 - 240V ~
50 - 60Hz, 0.8A
OUTPUT (输出): 10V --- 2.0A
FOR I.T.E. USE ONLY

EFFICIENCY LEVEL V
RoHS
MADE IN CHINA 中国制造

NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED



**24 Watts, Switchmode Power Supply, Single Output,
Family, Input, ITE, 11-32VDC**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

11-32 VDC

INPUT CURRENT:

<2 A (R.M.S.) MAX

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

24 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

± 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY
TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

ITE MODEL: UL60950, CUL TO 22.2# 950, TUV TI EN60950, CE
CLASS I & II

DIELECTRIC WITHSTAND VOLTAGE:

3000VAC PRIMARY-SECONDARY;
1500 VAC PRIMARY-GROUND

LEAKAGE CURRENT:

< 0.25 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B WHEN TESTED WITH A RESISTIVE LOAD, BOT
CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-
4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT
IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER CODE:

GT-2: INTERNAL CODE;
D: ITE MODEL DC INPUT
1148: FAMILY ENCLOSURE
DESIGNATION;
1005 TO 2424: O/P POWER/VOLTAGE

NOTES:

1. EACH OUTPUT CURRENT CAN VARY WITHIN ITS
DESIGNATION RANGE., AS LONG AS THE OUTPUT
POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO
48V IN 0.1V INCREMENTS.
3. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X.
VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

CLASS II MODELS, DOUBLE INSULATED, T2

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD21148-1005	+ 5.0	0 -2.0	10
GTD21148-1505	+ 5.0	0 -3.0	15
GTD21148-1507	+ 7.50	0 -2.0	15
GTD21148-2412	+ 12.0	0 -2.0	24
GTD21148-2416	+ 16.0	0 -1.5	24
GTD21148-2418	+ 18.0	0 -1.33	24
GTD21148-2424	+ 24.0	0 -1.0	24

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



24 Watts, Switchmode Power Supply, Single Output, Family, Input, ITE, 11-32VDC

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE: DESKTOP, DUAL CORD

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK



SIZE:

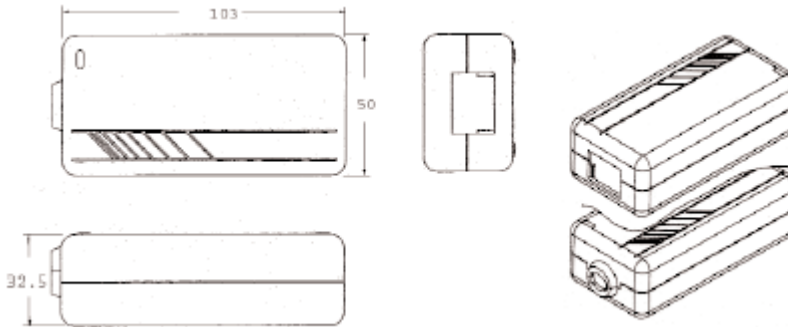
CLASS II MODELS:
103 X 50 X 32.5 + 1 mm

INPUT CONNECTOR:

CONDUCTOR, 18AWG (OR 20 AWG)
STRANDED WIRE, FLAT SPT-1 OR
UL2468 CORD TYPE, COLOR BLACK,
LENGTH OF THE CORD:
1830 +100,-0 mm.

CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR.

CABLE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.



INPUT CONNECTOR:

OPTION # 1:

CAR MALE CIGARETTE LIGHTER DC POWER PLUG (+,-) TIP POSITIVE WITH 5A/125V SLO-BLO FUSE

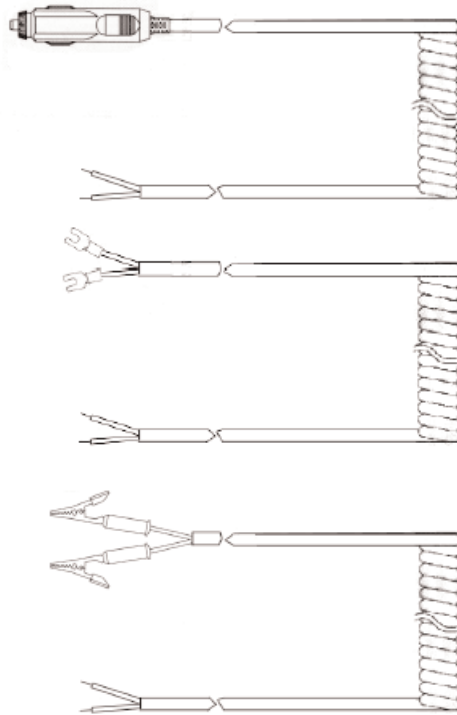
OPTION # 2:

SPADE TONGUE TERMINAL 0.25" FAST ON SOFT INSULATION TYPE

INPUT CONNECTOR:

OPTION # 3:

ALLIGATOR CLIPS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**25 Watts, Switchmode Power Supply, Single Output
Enclosed, Universal Input**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

85 VAC TO 264 VAC

INPUT CURRENT:

0.35A @ 230V

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

25 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

50 mV (P-P) FOR 5V,
100 mV (P-P) FOR ALL OTHER OUTPUTS

ADJUSTABILITY:

+10, -5% OUTPUT

OUTPUT REGULATION (LINE):

± 5 % FOR OUTPUT

LOAD REGULATION (LINE):

5V MODEL +/-1%, ± 0.5% FOR ALL OTHER OUTPUTS

TURN ON/ TURN OFF OVERTHOOT:

4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

10 mSEC MIN AT NOMINAL INPUT 115 VAC AND FULL LOAD

INRUSH CURRENT:

15 A MAX AT COLD START FOR N.A. (30A FOR EURO)

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 115% ~ 135% OF NOMINAL VOLTAGE
FOR MAIN OUTPUT

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

UL1012, UL 60950 / 1950, CUL TO 22.2 # 234, 950,
TUV TO EN 60950, CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC (3000VAC) PRIMARY-SECONDARY;
2121VDC (1500 VAC) PRIMARY- GROUND

LEAKAGE CURRENT:

≤ 0.75 mA @ 240 VAC

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022, 1 CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3 AND
EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3,
EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11
LEVEL 4, UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25° C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0° C TO 45° C, DERATE LINEARY TO 60% OUTPUT POWER
AT 60°C

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

WEIGHT:

0.37 kg REF

VIBRATION:

10-500 Hz 2G 10 MIN/ CYCLE (PERIOD = 60 MINUTES,
EACH AXIS)

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

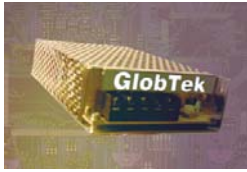
OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-25-5	+5 +/-2%	5	0 - 25
GT-25-12	+12 +/-1%	2.1	0 - 25
GT-25-15	+15 +/-1%	1.7	0 - 25
GT-25-24	+24 +/-1%	1.1	0 - 25

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



25 Watts, Switchmode Power Supply, Single Output, Enclosed, Universal Input

Part Number Ordering System (See Page 456) Output Plug/Cord Options (See Page 425)



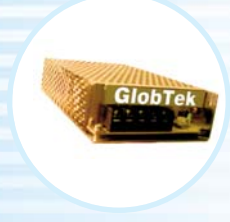
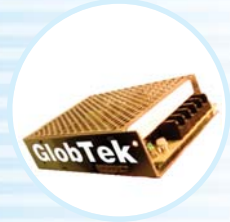
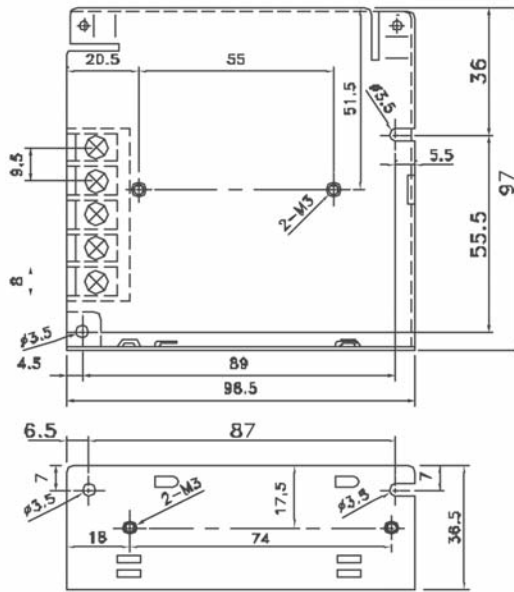
ENCLOSURE

CONFIGURATION:

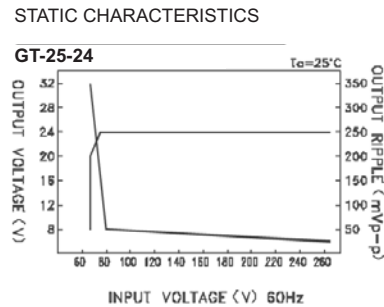
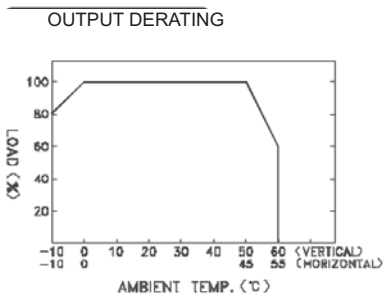
ENCLOSED SWITCHING POWER SUPPLY, AL. ALLOY 3003 OR EQUIVALENT, GOLD IRRIDITE, CHEM. TREATED FINISH., CHASSIS: "U" CHANNEL, WITH (5) MOUNTING METRIC INSERT M3, AS SHOWN BELOW: (2) BOTTOM; (3) RIGHT SIDE. COVER: "L" SHAPE WITH HOLES SCREENED PATTERN FOR NATURAL CONVECTION COOLING THERMAL TRANSFER.



INPUT / OUTPUT: CONNECTOR: STRAIGHT MOUNT BARRIER STRIP, 5 POSITIONS, 9.5 MM PITCH FOR LUG/TERMINALS INPUT/OUTPUT HARNESS CONNECTIONS



CHARTS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-41060



**Wall Plug-In Switching Power Supply, 25 Watts,
Interchangeable Blade, Universal Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 182)



184ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
25 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
< 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 1 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 MSEC MAX

HOLD-UP TIME:
16 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
OVER-CURRENT / SHORT CIRCUIT: HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

NO LOAD POWER CONSUMPTION:
< 1 W @ 230 V

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
UL60950-1, CUL TO 22.2# 950, DEMKO TO EN60950-1, C-TICK, AS/NZ 60950, CE CLASS II, PSE TO J60950, CB REPORT, VCCI

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.25 MA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE.

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41060-WWWV-X.X

WHERE:

41060: SERIES CODE
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" = CONSTANT CURRENT OPTION
WW = DENOTES RATED WATTAGE
(VV) = RATED VOLTAGE
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

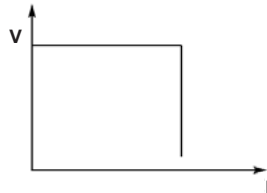
PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:
XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

"CC", CONSTANT CURRENT OPTION PERFORMANCE:



V = RATED VO
I = RATED IO
ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41060 (-or CC) 1003-X.X	WR9QQ2600XXX-N	+3.00	0 - 2.60	0 - 8.6
GT-41060 (-or CC) 1505-X.X	WR9QA3000XXX-N	+5.00	0 - 3.00	0 - 15
GT-41060 (-or CC) 1706-X.X	WR9QB2800XXX-N	+6.00	0 - 2.80	0 - 18
GT-41060 (-or CC) 1807-X.X	WR9QC2570XXX-N	+7.00	0 - 2.57	0 - 18
GT-41060 (-or CC) 1809-X.X	WR9QD2000XXX-N	+9.00	0 - 2.00	0 - 18
GT-41060 (-or CC) 2512-X.X	WR9QE2080XXX-N	+12.00	0 - 2.08	0 - 25
GT-41060 (-or CC) 2515-X.X	WR9QG1670XXX-N	+15.00	0 - 1.67	0 - 25
GT-41060 (-or CC) 2518-X.X	WR9QH1400XXX-N	+18.00	0 - 1.40	0 - 25
GT-41060 (-or CC) 2520-X.X	WR9QZ1250XXX-N	+20.00	0 - 1.25	0 - 25
GT-41060 (-or CC) 2524-X.X	WR9QI040XXX-N	+24.00	0 - 1.04	0 - 25
GT-41060 (-or CC) 2530-X.X	WR9QR833XXX-N	+30.00	0 - 0.833	0 - 25

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



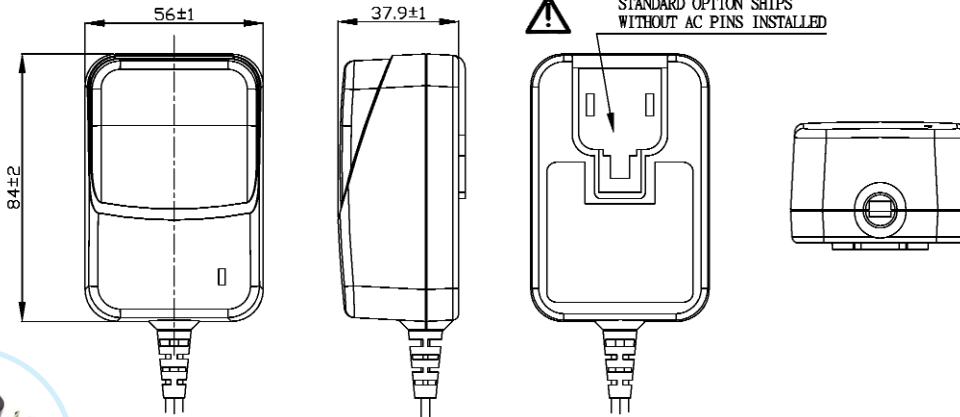
Wall Plug-In Switching Power Supply, 25 Watts, Interchangeable Blade, Universal Input, ITE, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 182)

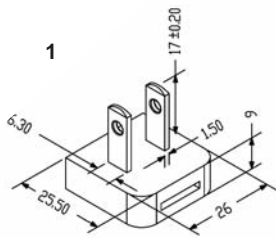
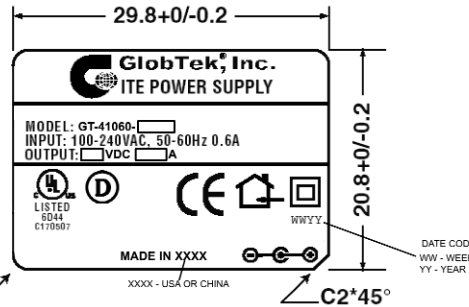


ENCLOSURE

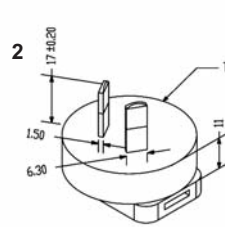
UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 84 x 56 x 37.9 ± 1 mm



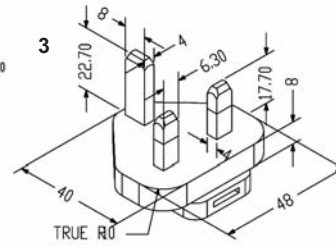
- INPUT CONNECTOR:**
CONFIGURATION:
1. CLASS II MODEL NEMA 1-15P AC POWER RECEPTACLE WITH 2 PRONGS
 2. AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II
 3. UK CONFIGURATION: UK 2 PINS CLASS II
 4. EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II
 5. KOREAN CONFIGURATION: 2 PINS, CLASS II
 6. ARGENTINA CONFIGURATION: 2 PINS, CLASS II



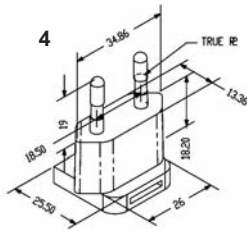
P/N: Q-NA



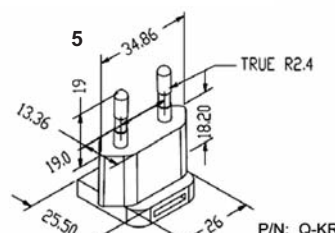
P/N: Q-SAA



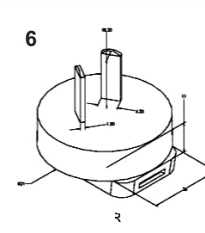
P/N: Q-UK



P/N: Q-EU



P/N: Q-KR



P/N: Q-AR

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED

GT-41060-FW



**Open Frame Switching Power Supply, 25 Watts,
Universal Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 184)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
25 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
< 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 1 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX
COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

NO LOAD POWER CONSUMPTION:
< 1 W @ 230 V

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
UL60601-1-3, CUL TO 22.2# 601, DEMKO TO EN60601,
CE CLASS II, PSE TO J60950, CB REPORT, VCCI

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.25 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2 ,
EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE, OPERATING TEMPERATURE: 0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41060-WWWV-X.X

WHERE:

41060: SERIES CODE
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" =
CONSTANT CURRENT OPTION
WW = DENOTES RATED WATTAGE
(VV) = RATED VOLTAGE
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

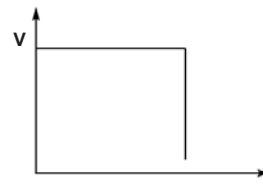
PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:
XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

"CC", CONSTANT CURRENT OPTION PERFORMANCE:



V = RATED VO

I = RATED IO

ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41060(-or CC)1003-X.Y-FW		+3.00	0 - 2.60	0 - 8.6
GT-41060 (-or CC) 1505-X.Y-FW		+5.00	0 - 3.00	0 - 15
GT-41060 (-or CC) 1706-X.Y-FW		+6.00	0 - 2.80	0 - 18
GT-41060 (-or CC) 1807-X.Y-FW		+7.00	0 - 2.57	0 - 18
GT-41060 (-or CC) 1809-X.Y-FW		+9.00	0 - 2.00	0 - 18
GT-41060 (-or CC) 2512-X.Y-FW		+12.00	0 - 2.08	0 - 25
GT-41060 (-or CC) 2515-X.Y-FW		+15.00	0 - 1.67	0 - 25
GT-41060 (-or CC) 2518-X.Y-FW		+18.00	0 - 1.40	0 - 25
GT-41060 (-or CC) 2520-X.Y-FW		+20.00	0 - 1.25	0 - 25
GT-41060 (-or CC) 2524-X.Y-FW		+24.00	0 - 1.04	0 - 25
GT-41060 (- or CC) 2530-X.Y-FW		+30.00	0 - 0.833	0 - 25

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



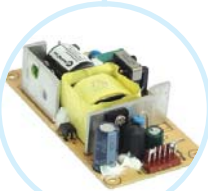
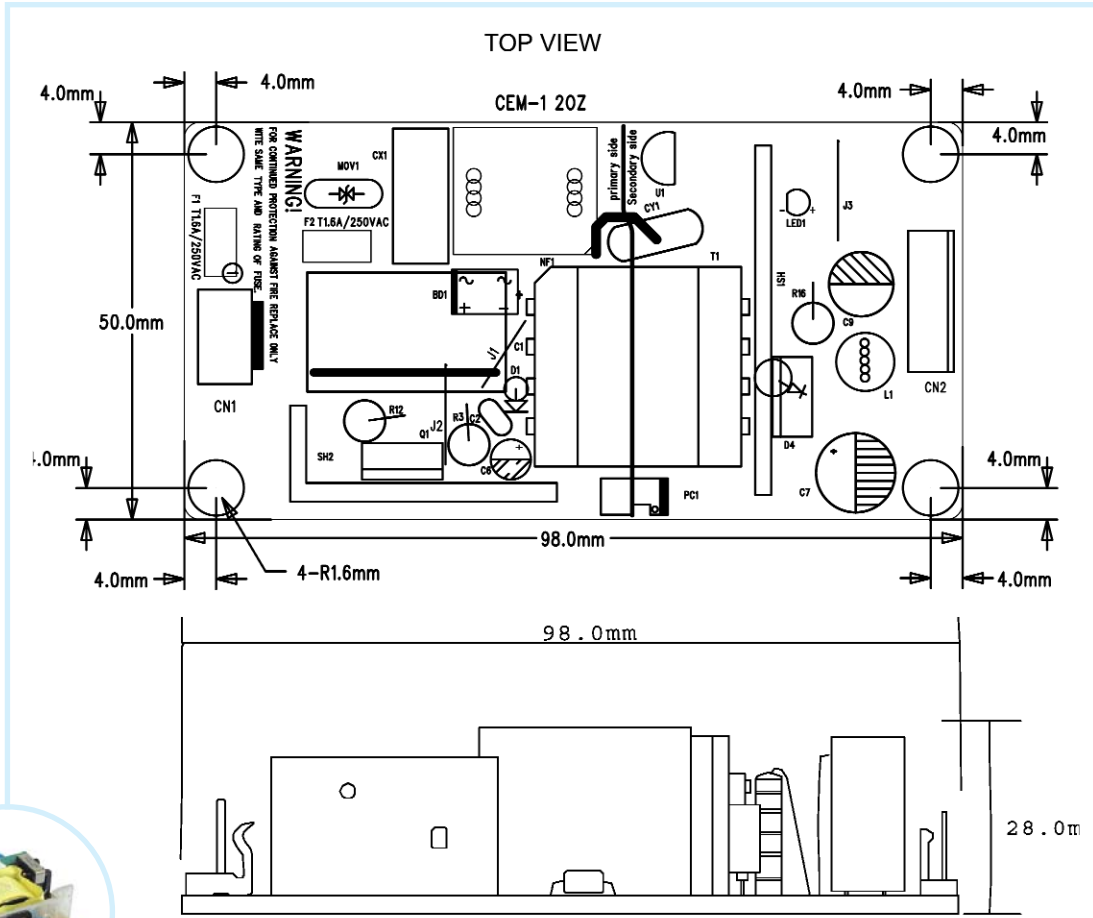
**Open Frame Switching Power Supply, 25 Watts,
Universal Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 184)



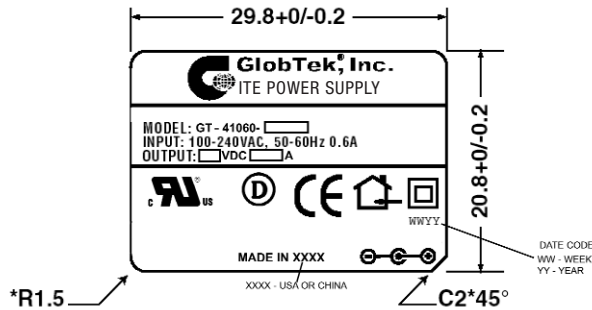
MECHANICAL

SIZE: 98 x 50 x 28 ± 0.5 mm

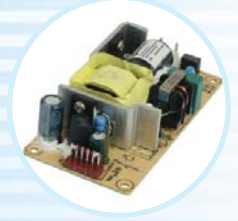
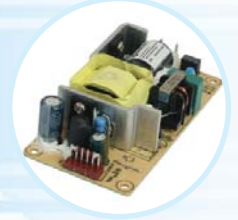
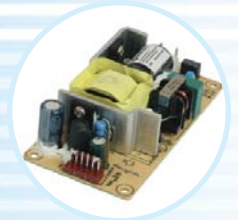


INPUT CONNECTOR:
MOLEX 09-65-2038
OR EQUIVALENT,
3 CIRCUITS WITH
2 PIN REMOVED

OUTPUT CONNECTOR:
MOLEX 22-28-0040
OR EQUIVALENT,
6 CIRCUITS
CONNECTOR



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED

GTM41060



**Wall Plug-In Switching Power Supply, 25 Watts,
Interchangeable Blade, Universal Input, Medical, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
25 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
< 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 1 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500US MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 MSEC MAX

HOLD-UP TIME:
16 MSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
OVER-CURRENT / SHORT CIRCUIT: HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

NO LOAD POWER CONSUMPTION:
< 1 W @ 230 V

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
UL60601-1, CUL TO 22.2# 601, DEMKO TO EN60601,
CE CLASS II, PSE TO J60950, CB REPORT, VCCI

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.25 MA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE.

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41060-WWVV-X.X

WHERE:

41060: SERIES CODE
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" = CONSTANT CURRENT OPTION
WW = DENOTES RATED WATTAGE
(VV) = RATED VOLTAGE
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

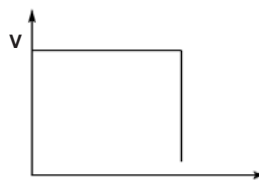
PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:
XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-.Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

"CC", CONSTANT CURRENT OPTION PERFORMANCE:



V = RATED VO

I = RATED IO

ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41060 (-or CC) 1003-X.X-W2	WR9QQ2600XXX-N-MED	+3.00	0 - 2.60	0 - 8.6
GTM41060 (-or CC) 1505-X.X-W2	WR9QA3000XXX-N-MED	+5.00	0 - 3.00	0 - 15
GTM41060 (-or CC) 1706-X.X-W2	WR9QB2800XXX-N-MED	+6.00	0 - 2.80	0 - 18
GTM41060 (-or CC) 1807-X.X-W2	WR9QC2570XXX-N-MED	+7.00	0 - 2.57	0 - 18
GTM41060 (-or CC) 1809-X.X-W2	WR9QD2000XXX-N-MED	+9.00	0 - 2.00	0 - 18
GTM41060 (-or CC) 2512-X.X-W2	WR9QE2080XXX-N-MED	+12.00	0 - 2.08	0 - 25
GTM41060 (-or CC) 2515-X.X-W2	WR9QG1670XXX-N-MED	+15.00	0 - 1.67	0 - 25
GTM41060 (-or CC) 2518-X.X-W2	WR9QH1400XXX-N-MED	+18.00	0 - 1.40	0 - 25
GTM41060 (-or CC) 2520-X.X-W2	WR9QZ1250XXX-N-MED	+20.00	0 - 1.25	0 - 25
GTM41060 (-or CC) 2524-X.X-W2	WR9QI040XXX-N-MED	+24.00	0 - 1.04	0 - 25
GTM41060 (-or CC) 2530-X.X-W2	WR9QR833XXX-N-MED	+30.00	0 - 0.833	0 - 25

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



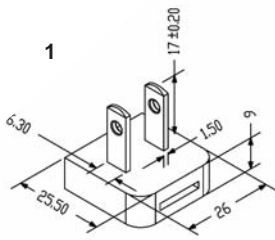
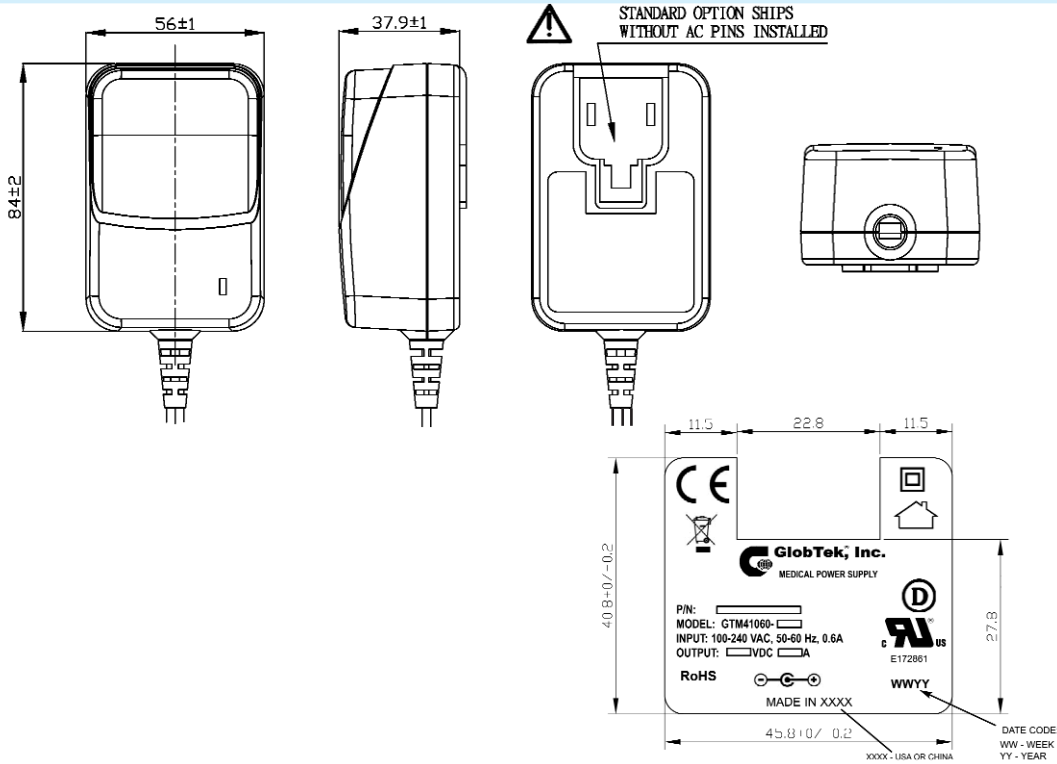
Wall Plug-In Switching Power Supply, 25 Watts, Interchangeable Blade, Universal Input, Medical, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

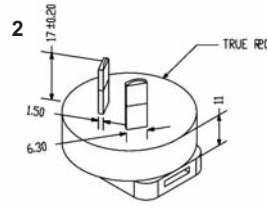


ENCLOSURE

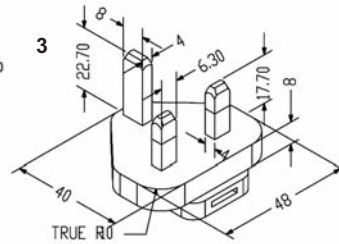
UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 84 x 56 x 37.9 ± 1 mm



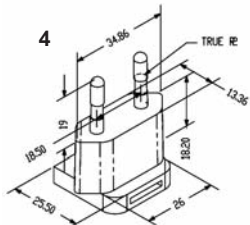
P/N: Q-NA



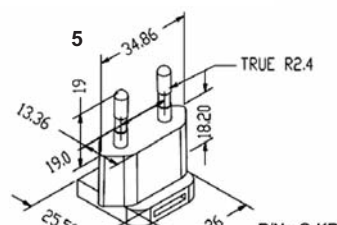
P/N: Q-SAA



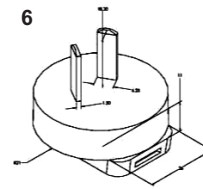
P/N: Q-UK



P/N: Q-EU



P/N: Q-KR



P/N: Q-AR

- INPUT CONNECTOR:**
N.A. CONFIGURATION:
1. CLASS II MODEL NEMA 1-15P AC POWER RECEPTACLE WITH 2 PRONGS
2. AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II
3. UK CONFIGURATION: UK 2 PINS CLASS II
4. EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**Open Frame Switching Power Supply, 25 Watts,
Universal Input, Medical, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 0.6 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
25 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
< 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 1 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX
COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

NO LOAD POWER CONSUMPTION:
< 1 W @ 230 V

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
UL60601-1-3, CUL TO 22.2# 601, DEMKO TO EN60601,
CE CLASS II, PSE TO J60950, CB REPORT, VCCI

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.25 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2,
EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE, OPERATING TEMPERATURE: 0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

MODEL NUMBER DESCRIPTION:

MODEL GT-41060-WWWV-X.X

WHERE:

41060: SERIES CODE
(- OR CC): "-" = CONSTANT VOLTAGE MODEL, "CC" =
CONSTANT CURRENT OPTION
WW = DENOTES RATED WATTAGE
(VV) = RATED VOLTAGE
(X.X) = DENOTES VOLTAGE DIFFERENTIATOR

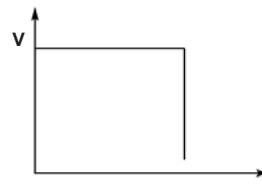
PART NUMBER DESIGNATION:

SEE P/N SYSTEM FOR EXPLANATION:
XXX - DESIGNATION OUTPUT CORD + PLUG OPTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT MAY VARY FROM 3VDC-30VDC IN 0.1V INCREMENTS
3. (-Y.Y) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM LISTED RATINGS. SUBTRACT Y.Y FROM RATED VOLTAGE.

"CC", CONSTANT CURRENT OPTION PERFORMANCE:



V = RATED VO

I = RATED IO

ACTUAL DATA TO BE PROVIDED ON PRODUCT SPEC.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM41060 (-or CC) 1003-X.Y-FW	+3.00	0 - 2.60	0 - 8.6
GTM41060 (-or CC) 1505-X.Y-FW	+5.00	0 - 3.00	0 - 15
GTM41060 (-or CC) 1706-X.Y-FW	+6.00	0 - 2.80	0 - 18
GTM41060 (-or CC) 1807-X.Y-FW	+7.00	0 - 2.57	0 - 18
GTM41060 (-or CC) 1809-X.Y-FW	+9.00	0 - 2.00	0 - 18
GTM41060 (-or CC) 2512-X.Y-FW	+12.00	0 - 2.08	0 - 25
GTM41060 (-or CC) 2515-X.Y-FW	+15.00	0 - 1.67	0 - 25
GTM41060 (-or CC) 2518-X.Y-FW	+18.00	0 - 1.40	0 - 25
GTM41060 (-or CC) 2520-X.Y-FW	+20.00	0 - 1.25	0 - 25
GTM41060 (-or CC) 2524-X.Y-FW	+24.00	0 - 1.04	0 - 25
GTM41060 (-or CC) 2530-X.Y-FW	+30.00	0 - 0.833	0 - 25

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



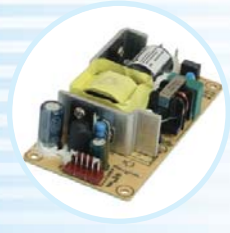
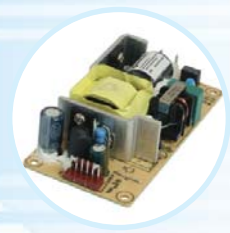
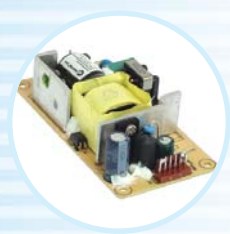
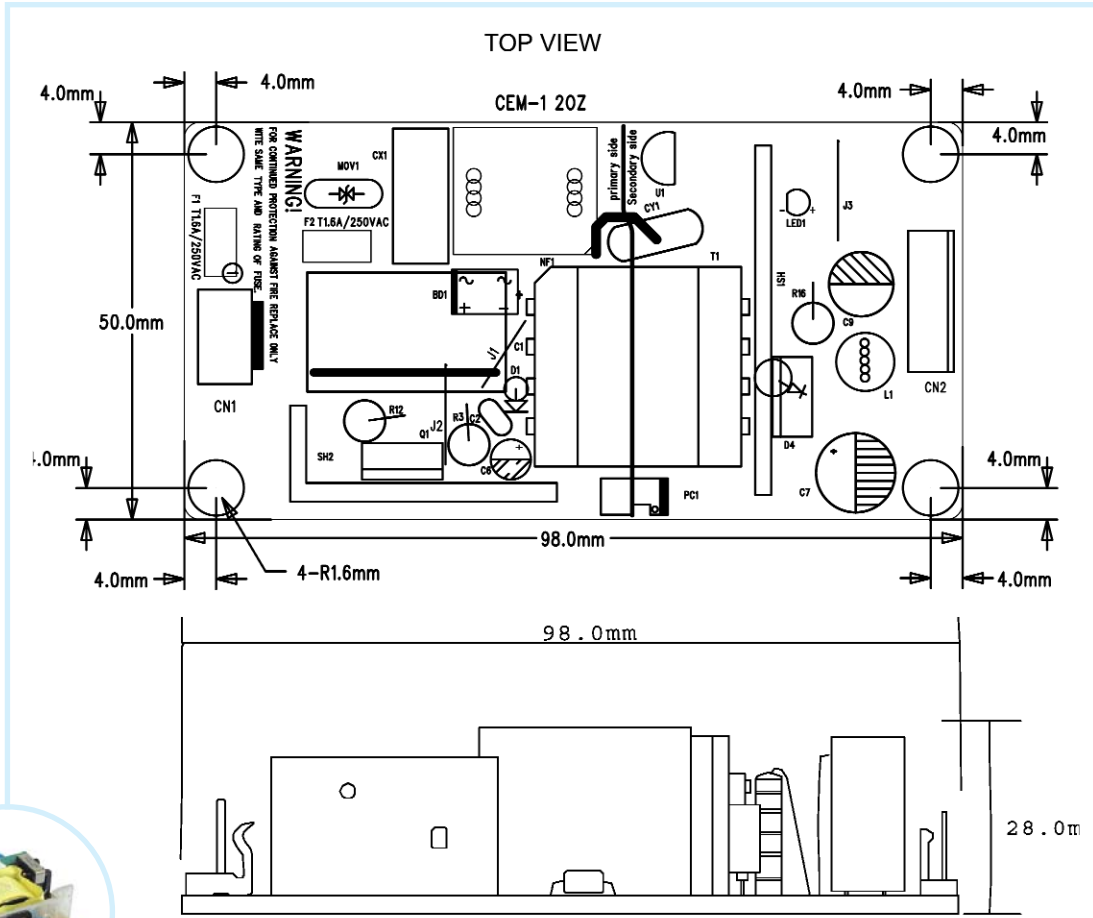
Open Frame Switching Power Supply, 25 Watts, Universal Input, Medical, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



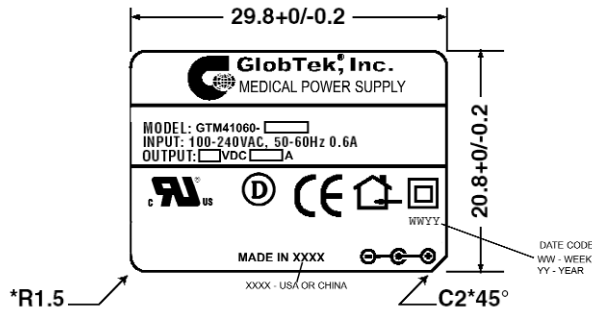
MECHANICAL

SIZE: 98 x 50 x 28 ± 0.5 mm

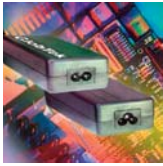


INPUT CONNECTOR:
MOLEX 09-65-2038
OR EQUIVALENT,
3 CIRCUITS WITH
2 PIN REMOVED

OUTPUT CONNECTOR:
MOLEX 22-28-0040
OR EQUIVALENT,
6 CIRCUITS
CONNECTOR



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.

ISO 9001:2008
REGISTERED**0-30 Watts, Desktop Power Supply, Single Output,
Family, Input, ITE, Class I & II**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE:**

90 VAC TO 264 VAC

INPUT CURRENT:

< 0.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

30 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% OF OUTPUT VOLTAGE TYPICAL

OUTPUT REGULATION (LINE/LOAD):

+/- 5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:

+/- 1% TYPICAL MEASURED AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25%
STEP LOAD**TURN-ON DELAY:**

1 SEC TYPICAL

HOLD-UP TIME:

10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:30A TYPICAL AT 115Vac INPUT AND 40A TYPICAL AT
230Vac INPUT**EFFICIENCY:**

75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

SWITCHING FREQUENCY:

100KHZ TYPICAL, VARIES WITH LINE AND LOAD

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:MOMENTARY SHORT CIRCUIT PROTECTED, OUTPUT WILL
AUTORECOVER UPON REMOVAL OF SHORT**OTHER PROTECTION:**

INPUT FUSING; LINE FUSING

SAFETY APPROVALS:ITE MODEL: UL60950, CUL TO 22.2# 950, NEMKO, GS, SEMKO,
FIMKO, DEMKO TO EN60950, CCC MARK TO GB4943-2001,
GB9254-1998, GB17625.1-2003 (GT-21089-T3 FROM 5-18V
OUTPUT), PSE TO J60950, C-TICK, POLAND PCBC TO
EN60950, DEMKO TO EN60950, ARGENTINA S-MARK TO en
60950, CB REPORT, CE CLASS I & II**DIELECTRIC WITHSTAND VOLTAGE:**

4242VDC FROM PRIMARY TO SECONDARY

LEAKAGE CURRENT:

< 300uA AT 264Vac INPUT VOLTAGE

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED
AND RADIATED EMI**CE MARK:**TESTED TO COMPLY WITH EN61000-3-2 EN61000-3 AND
EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11 LEVEL 4.**MTBF:**GREATER THAN 200,000 HOURS AT 25C AMBIENT TEMP.
NOMINAL LINE AND FULL LOAD PER MIL-217 STANDARD**OPERATING TEMPERATURE:**OPERATING TEMPERATURE: 0°C TO 40°C AMBIENT
TEMPERATURE**STORAGE TEMPERATURE:**

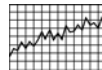
-10°C TO 80°C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 5V UP TO 24V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

SEE APPENDIX "D" FOR ELECTRICAL
PERFORMANCE CURVES**OUTPUT VOLTAGE / CURRENT:**

CLASS II MODELS, DOUBLE INSULATED, T2

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21148-2005-T2	+ 5.0	0 - 4.0	0 - 20
GT-21148-2506-X.X-T2	+ 6.0	0 - 4.2	0 - 25
GT-21148-2709-2.0-T2	+ 7.0	0 - 3.7	0 - 26
GT-21148-2709-1.0-T2	+ 8.0	0 - 3.25	0 - 26
GT-21148-2709-X.X-T2	+ 9.0	0 - 3.0	0 - 27
GT-21148-3012-2.0-T2	+ 10.0	0 - 3.0	0 - 30
GT-21148-3012-1.0-T2	+ 11.0	0 - 2.7	0 - 30
GT-21148-3012-X.X-T2	+ 12.0	0 - 2.5	0 - 30
GT-21148-3015-2.0-T2	+ 13.0	0 - 2.3	0 - 30
GT-21148-3015-1.2-T2	+ 13.8	0 - 2.1	0 - 30
GT-21148-3015-1.0-T2	+ 14.0	0 - 2.1	0 - 30
GT-21148-3015-X.X-T2	+ 15.0	0 - 2.0	0 - 30
GT-21148-3018-2.0-T2	+ 16.0	0 - 1.9	0 - 30
GT-21148-3018-1.0-T2	+ 17.0	0 - 1.8	0 - 30
GT-21148-3018-X.X-T2	+ 18.0	0 - 1.7	0 - 30
GT-21148-3024-5.0-T2	+ 19.0	0 - 1.6	0 - 30
GT-21148-3024-4.0-T2	+ 20.0	0 - 1.5	0 - 30
GT-21148-3024-X.X-T2	+ 24.0	0 - 1.25	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008 REGISTERED

GT-21148 SERIES-30W



0-30 Watts, Desktop Power Supply, Single Output, Family, Input, ITE, Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



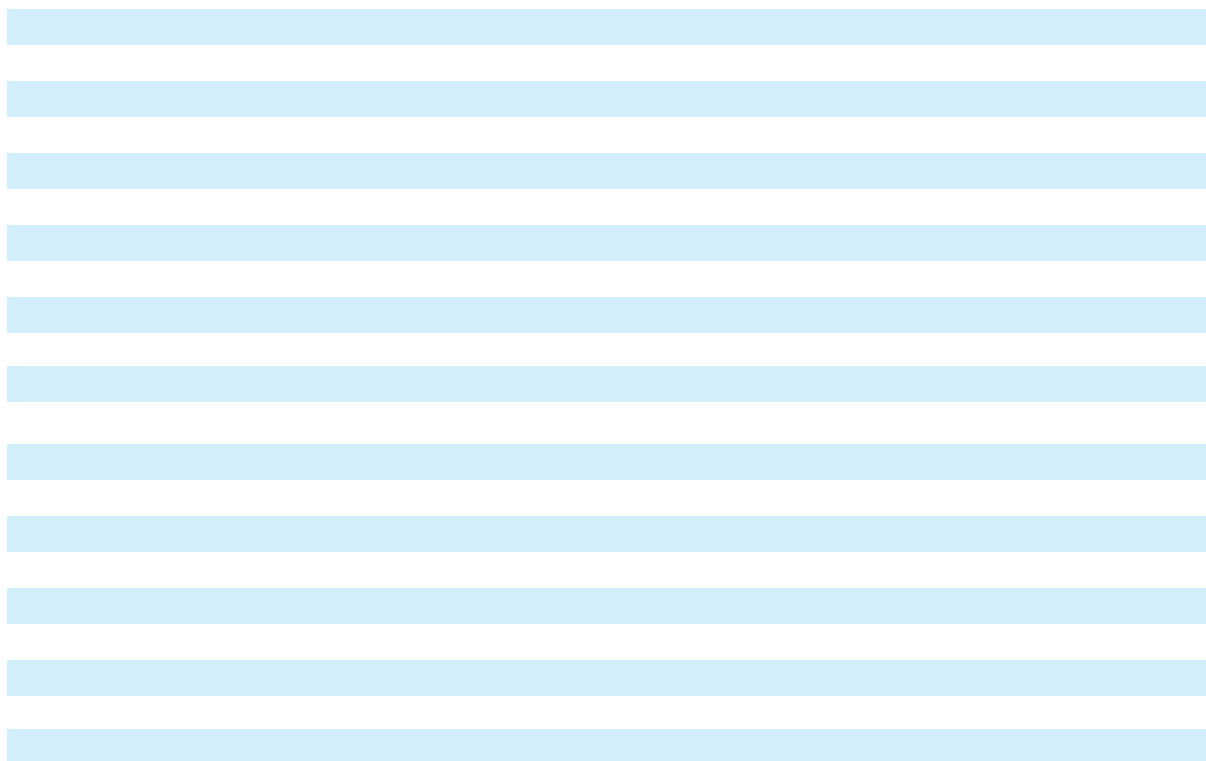
INDOOR USE ONLY



OUTPUT VOLTAGE / CURRENT:

CLASS I MODELS, FUNCTIONAL GROUND, T3 AND CLASS II, DOUBLE INSULATED, T2.

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21148-2005-T3	+ 5.0	0 - 4.0	0 - 20
GT-21148-2506-X.X-T3	+ 6.0	0 - 4.2	0 - 25
GT-21148-2709-2.0-T3	+ 7.0	0 - 3.7	0 - 26
GT-21148-2709-1.0-T3	+ 8.0	0 - 3.25	0 - 26
GT-21148-2709-X.X-T3	+ 9.0	0 - 3.0	0 - 27
GT-21148-3012-2.0-T3	+ 10.0	0 - 3.0	0 - 30
GT-21148-3012-1.0-T3	+ 11.0	0 - 2.7	0 - 30
GT-21148-3012-X.X-T3	+ 12.0	0 - 2.5	0 - 30
GT-21148-3015-2.0-T3	+ 13.0	0 - 2.3	0 - 30
GT-21148-3015-1.2-T3	+ 13.8	0 - 2.1	0 - 30
GT-21148-3015-1.0-T3	+ 14.0	0 - 2.1	0 - 30
GT-21148-3015-X.X-T3	+ 15.0	0 - 2.0	0 - 30
GT-21148-3018-2.0-T3	+ 16.0	0 - 1.9	0 - 30
GT-21148-3018-1.0-T3	+ 17.0	0 - 1.8	0 - 30
GT-21148-3018-X.X-T3	+ 18.0	0 - 1.7	0 - 30
GT-21148-3024-5.0-T3	+ 19.0	0 - 1.6	0 - 30
GT-21148-3024-4.0-T3	+ 20.0	0 - 1.5	0 - 30
GT-21148-3024-X.X-T3	+ 24.0	0 - 1.25	0 - 30



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





0-30 Watts, Desktop Power Supply, Single Output, Family, Input, ITE, Class I & II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)


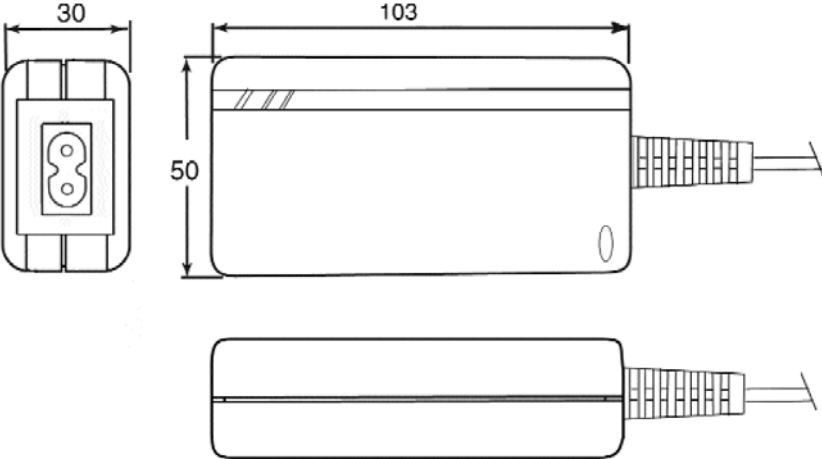


INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK, CUSTOMER SPECIFIED COLOR AVAILABLE UPON REQUEST.

INDICATOR:
GREEN LED, OUTPUT PRESENT


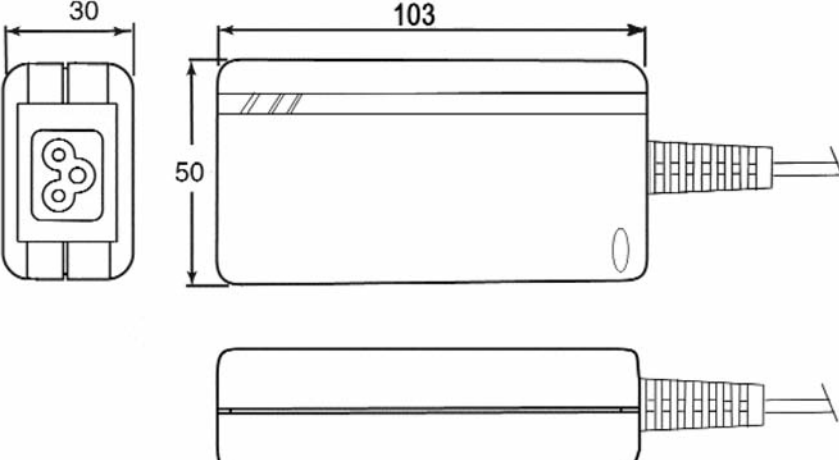



DESKTOP CLASS II: T2

SIZE:
103 X 50 X 32 ± 1 mm

INPUT CONFIGURATION:
CLASS I1 MODEL IEC60320/ C8, AC
POWER RECEPTACLE, SHAVER PLUG
STYLE WITH 2 MALE PINS

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK

DESKTOP CLASS II: T3

SIZE:
103 X 50 X 32 ± 1 mm

INPUT CONFIGURATION:
CLASS I MODEL IEC60320 / C8, AC
POWER RECEPTACLE, SHAVER PLUG
STYLE WITH 3 MALE PINS

INDICATOR:
GREEN LED, OUTPUT PRESENT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



**30 Watts, Switching Power Supply, Wall Plug-In
Interchangeable Blade, Universal Input, ITE, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



196ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
< 1.0 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
30 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 10 MF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN ON/TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 1ST EDITION, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

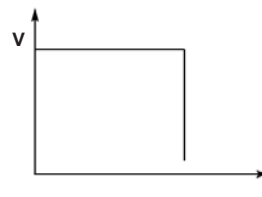
OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO -80° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41131-2412	+12.00	0 - 2.00	0 - 24
GT-41131-3015-3.0	+12.00	0 - 2.50	0 - 30
GT-41131-3015	+15.00	0 - 2.00	0 - 30
GT-41131-3024	+24.00	0 - 1.25	0 - 30
GT-41131-3048	+48.00	0 - 0.625	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



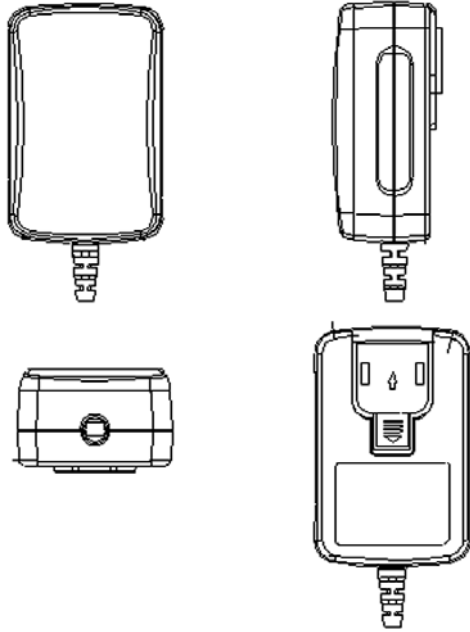
30 Watts, Switching Power Supply, Wall Plug-In Interchangeable Blade, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



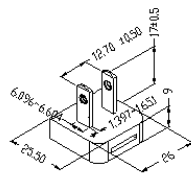
ENCLOSURE

MATERIAL: 94V0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
SIZE: 57 x 89.2 x 35.9mm

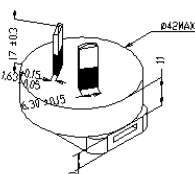


GlobTek[®], Inc. ITE POWER SUPPLY (电源供应器)	
P/N (料号): 12345678901234567890	
MODEL (型号): GT-41131-30VV-X.X	
INPUT (输入): 100 - 240V ~	
50 - 60Hz, 1.0A	
OUTPUT (输出): V = A	
CE	UL LISTED E31351
RoHS	FC
EFFICIENCY LEVEL V	
RoHS MADE IN CHINA 中国制造 WWYY	

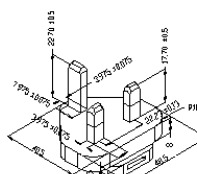
OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG): 18AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS:
N/A



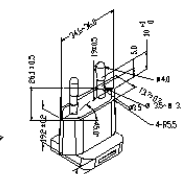
P/N Q-NA(R)
NORTH AMERICA JAPAN



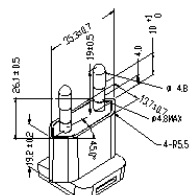
P/N Q-SAA(R)
AUSTRALIA



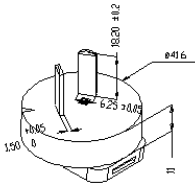
P/N Q-SAA(R)
AUSTRALIA



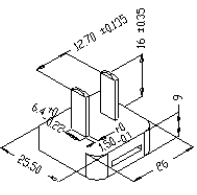
P/N Q-ELB(R)
EUROPE SOUTH AMERICA



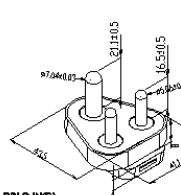
P/N Q-KR(R)
KOREA



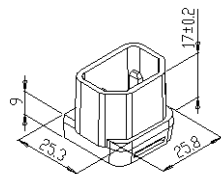
P/N Q-AR(R)
ARGENTINA



P/N Q-CN(R)
CHINA



P/N Q-NR(R)
NEW SOUTH AFRICA



P/N Q-C18(R)
IEC 320 INLET CONNECTOR

NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**30 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro. UK, SAA Universal Input, ITE, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
<1.5 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
MEASURED AT 20 Mhz BANDWIDTH WITH 1% OF NOMINAL OUTPUT, CERAMIC CAPACITOR IN PARALLEL WITH 10 μ F ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR.

OUTPUT LOAD REGULATION:
 \pm 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE

LINE VOLTAGE REGULATION:
 \pm 2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAX 500 μ S MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD

TURN-ON DELAY:
3 SECONDS, MAX AT FULL LOAD, NOMINAL LINE

HOLD-UP TIME:
8mS MIN AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
60A MAX COLD START AT 240 VAC INPUT

SWITCHING FREQUENCY:
100 KHz TYPICAL

OVER-VOLTAGE:
PROTECTED BY ZENER DIODE ACROSS THE OUTPUT

OVER-LOAD:
PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:
PROTECTED, HICCUP WITH AUTO RECOVERY

INPUT PROTECTION:

INPUT LINE AND NEUTRAL FUSING

SAFETY

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:

<3.5 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:

UL60950-1 (PENDING) EN60950-1 (PENDING), GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING) , C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998_A1:1999/A2:2002, EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91120-300.5-2.5-T2	+5.0	0 - 4.0	0 - 20
GT-91120-3007.5-T2	+7.5	0 - 3.0	0 - 22
GT-91120-3010.5-1.5-T2	+9.0	0 - 2.5	0 - 22
GT-91120-3010.5-T2	+10.5	0 - 2.5	0 - 25
GT-91120-3014.5-2.5-T2	+12.0	0 - 2.5	0 - 30
GT-91120-3014.5-T2	+14.5	0 - 1.7	0 - 30
GT-91120-3019.5-1.5-T2	+18.0	0 - 1.7	0 - 30
GT-91120-3019.5-T2	+19.5	0 - 1.5	0 - 30
GT-91120-3024-2.0-T2	+22.0	0 - 1.36	0 - 30
GT-91120-3024-T2	+24.0	0 - 1.25	0 - 30
GT-91120-3036-T2	+36.0	0 - 0.83	0 - 30
GT-91120-3048-T2	+48.0	0 - 0.625	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



30 Watts, Wall Plug-In Switching Power Supply, N.A., Euro, UK, SAA Universal Input, ITE, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

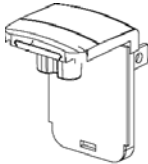
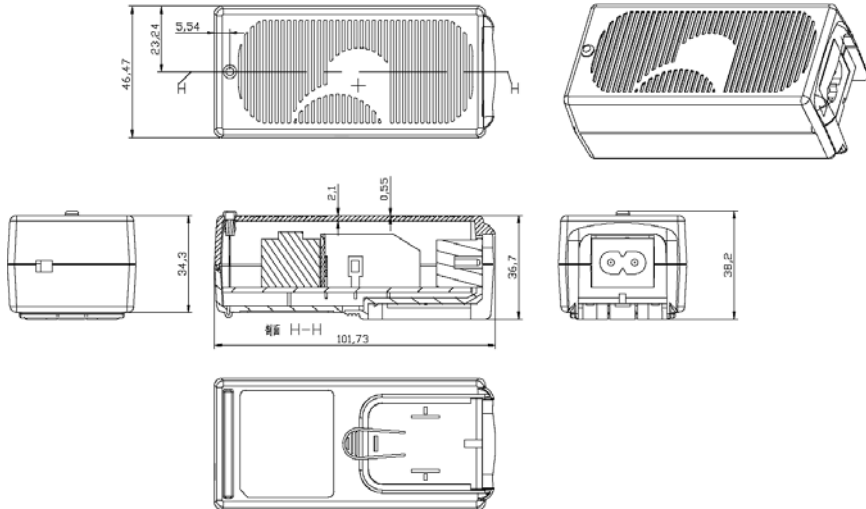
ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, NON-VENTED, COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: : 43.5 x 74.0 x 35.3mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE
LED COLOR: BLUE

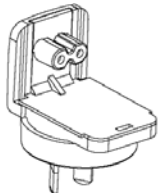


OUTPUT CORD AND CONNECTOR:

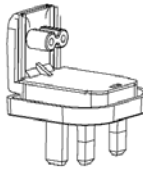
- CABLE TYPE: 1C + SHIELD UL 1185
- CABLE LENGTH: 1830MM + 150 - 0
- WIRE GAUGE (AWG): 18AWG
- HANK DIMENSION: 80 ± 10MM
- CABLE / CONNECTOR OVERMOLD COLOR: COOL GRAY PANTONE # 11C
- FERRITE TYPE / DIMENSION: 14.2 X 28.5 X 8.2
- FERRITE # OF TURNS: 2
- FERRITE DIMENSION FROM STRAIN RELIEF: 50 ± 10
- FERRITE DIMENSION FROM PLUG: N/A
- PLUG TYPE: BARREL
- OVERMOLD ORIENTATION: STRAIGHT
- PLUG DIMENSIONS: 5.5 X 2.5 X 11MM
- BARREL PLUG INTERNAL SPRING CLIP: NO
- BARREL PLUG LOCKING NOTCH: NO
- POLARITY: CENTER POSITIVE
- STRIP LENGTH: N/A
- TIN LENGTH: N/A
- ADDITIONAL REQUIREMENTS: N/A



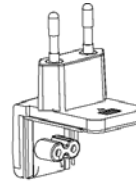
P/N: R-NA-2(R)
NORTH AMERICA
CHINA
JAPAN



P/N: R-SAA-2(R)
AUSTRALIA



P/N: R-UK-2(R)
UNITED KINGDOM
HONG KONG
SINGAPORE



P/N: R-SAA-2(R)
EUROPE
SOUTH AMERICA

ACTUAL CONNECTORS, OVERMOLDS, FERRITES, MAY VARY SLIGHTLY FROM THE PICTURE BELOW



AC INPUT - INTERCHANGEABLE BLADES		AC INPUT KIT OPTIONS
INTERCHANGEABLE BLADES OR KITS MUST BE ORDERED SEPARATELY		R-KIT-3
1	CLASS II MODEL NEMA 1-15P: AC POWER PLUG WITH 2 PRONGS, R-NA-3(R)	X
2	AUSTRALIAN CONFIGURATION: 2 PINS CLASS II, R-SAA-3(R)	X
3	UK CONFIGURATION: 2 PINS, CLASS II, R-UK-3(R)	X
4	EUROPEAN CONFIGURATION: 2 PINS, CLASS II, R-EU-3(R)	X





ISO 9001:2008
REGISTERED



**30 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro. UK, SAA Universal Input, ITE, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
<1.5 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE TABLE BELOW

OUTPUT CURRENT:
SEE TABLE BELOW, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
SEE TABLE BELOW

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
MEASURED AT 20 Mhz BANDWIDTH WITH 1% OF NOMINAL OUTPUT, CERAMIC CAPACITOR IN PARALLEL WITH 10 μ F ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR.

OUTPUT LOAD REGULATION:
 \pm 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE

LINE VOLTAGE REGULATION:
 \pm 2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAX 500 μ S MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD

TURN-ON DELAY:
3 SECONDS, MAX AT FULL LOAD, NOMINAL LINE

HOLD-UP TIME:
8mS MIN AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
60A MAX COLD START AT 240 VAC INPUT

SWITCHING FREQUENCY:
100 KHz TYPICAL

OVER-VOLTAGE:
PROTECTED BY ZENER DIODE ACROSS THE OUTPUT

OVER-LOAD:
PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:
PROTECTED, HICCUP WITH AUTO RECOVERY

INPUT PROTECTION:

INPUT LINE AND NEUTRAL FUSING

SAFETY

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:

<3.5 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:

UL60950-1 (PENDING) EN60950-1 (PENDING), GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING) , C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998_A1:1999/A2:2002, EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91120-3007.5-2.5-T3A	+5.0	0 - 4.0	0 - 20
GT-91120-3007.5-T3A	+7.5	0 - 3.0	0 - 22
GT-91120-3010.5-1.5-T3A	+9.0	0 - 2.5	0 - 22
GT-91120-3010.5-T3A	+10.5	0 - 2.5	0 - 25
GT-91120-3014.5-2.5-T3A	+12.0	0 - 2.5	0 - 30
GT-91120-3014.5-T3A	+14.5	0 - 1.7	0 - 30
GT-91120-3019.5-1.5-T3A	+18.0	0 - 1.7	0 - 30
GT-91120-3019.5-T3A	+19.5	0 - 1.5	0 - 30
GT-91120-3024-2.0-T3A	+22.0	0 - 1.36	0 - 30
GT-91120-3024-T3A	+24.0	0 - 1.25	0 - 30
GT-91120-3036-T3A	+36.0	0 - 0.83	0 - 30
GT-91120-3048-T3A	+48.0	0 - 0.625	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**30 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro, UK, SAA Universal Input, ITE, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

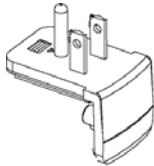
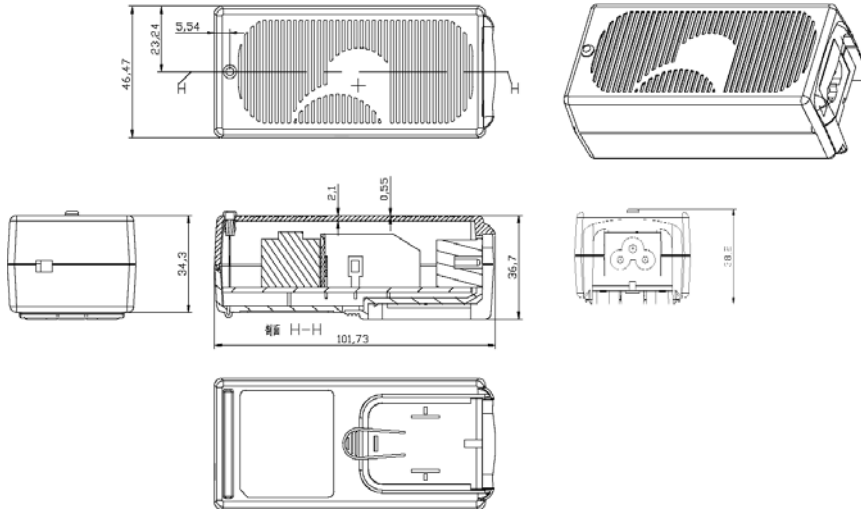
ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, NON-VENTED, COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: : 43.5 x 74.0 x 35.3mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE
LED COLOR: BLUE

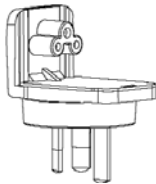


**OUTPUT CORD AND
CONNECTOR:**

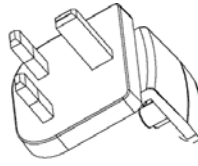
- CABLE TYPE:
1C + SHIELD UL 1185
- CABLE LENGTH:
1830MM + 150 - 0
- WIRE GAUGE (AWG):
18AWG
- HANK DIMENSION:
80 ± 10MM
- CABLE / CONNECTOR
OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
- FERRITE TYPE / DIMENSION:
14.2 X 28.5 X 8.2
- FERRITE # OF TURNS: 2
- FERRITE DIMENSION FROM
STRAIN RELIEF: 50 ± 10
- FERRITE DIMENSION
FROM PLUG: N/A
- PLUG TYPE: BARREL
- OVERMOLD ORIENTATION:
STRAIGHT
- PLUG DIMENSIONS:
5.5 X 2.5 X 11MM
- BARREL PLUG INTERNAL
SPRING CLIP: NO
- BARREL PLUG LOCKING
NOTCH: NO
- POLARITY:
CENTER POSITIVE
- STRIP LENGTH: N/A
- TIN LENGTH: N/A
- ADDITIONAL
REQUIREMENTS: N/A



P/N: R-NA-3(R)
NORTH AMERICA
CHINA
JAPAN



P/N: R-SAA-3(R)
AUSTRALIA



P/N: R-UK-3(R)
UNITED KINGDOM
HONG KONG
SINGAPORE



P/N: R-SAA-3(R)
EUROPE
SOUTH AMERICA

ACTUAL CONNECTORS, OVERMOLDS,
FERRITES, MAY VARY SLIGHTLY FROM
THE PICTURE BELOW



PENDING

PENDING

AC INPUT - INTERCHANGEABLE BLADES		AC INPUT KIT OPTIONS
INTERCHANGEABLE BLADES OR KITS MUST BE ORDERED SEPARATELY		R-KIT-3
1	CLASS II MODEL NEMA 1-15P: AC POWER PLUG WITH 3 PRONGS, R-NA-3(R)	X
2	AUSTRALIAN CONFIGURATION: 3 PINS CLASS II, R-SAA-3(R)	X
3	UK CONFIGURATION: 2 PINS, CLASS II, R-UK-3(R)	X
4	EUROPEAN CONFIGURATION: 3 PINS, CLASS II, R-EU-3(R)	X

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2000
REGISTERED

30 Watts, Family Desktop, Switchmode Power Supply, Universal Input, Medical, Class II FE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS

INPUT VOLTAGE:
90Vac TO 264Vac

INPUT CURRENT:
<1.6A rms AT 90Vac INPUT

INPUT FREQUENCY:
47HZ-63HZ

OUTPUT VOLTAGE:
15 VDC

OUTPUT CURRENT:
1.6 A, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

RATED OUTPUT POWER:
30 WATTS, MAXIMUM

OUTPUT REGULATION:
+/-5% MEASURED AT THE OUTPUT CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

HIGH FREQ. OUTPUT RIPPLE:
150 mV, PEAK TO PEAK, MAX

TURN-ON/TURN-OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
20A TYPICAL AT 115vac INPUT AND 30A TYPICAL AT 230Vac INPUT

SWITCHING FREQUENCY:
100 KHZ TYPICAL

EFFICIENCY:
70% TYPICAL AT NOMINAL INPUT AND FULL LOAD

OUTPUT INDICATOR:
GREEN LED FOR OUTPUT PRESENT

OVER-VOLTAGE:
17.5±0.5V, CROWBAR METHOD

OVERLOAD:
HICCUP MODE WITH AUTO-RECOVERY (125 - 150% OF RATED LOAD)

SHORT CIRCUIT:
HICCUP MODE, OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT

INPUT PROTECTION:
INPUT FUSING; LINE AND NEUTRAL FUSING

TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:
CLASS II WITH FUNCTIONAL EARTH

DEGREE OF PROTECTION AGAINST ELECTRIC SHOCK:
NOT CLASSIFIED (NO APPLIED PART)

DEGREE OF PROTECTION AGAINST INGRESS OF WATER:
IPX4

DEGREE OF SAFETY OF APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:
NOT EVALUATED

MODE OF OPERATION:
CONTINUOUS

DIELECTRIC WITHSTAND VOLTAGE:
5656Vdc FROM PRIMARY TO SECONDARY, 2121 VDC FROM INPUT TO EARTH, 1414 VDC OUTPUT TO EARTH

EARTH LEAKAGE CURRENT:
< 0.3 mA at 264Vac INPUT VOLTAGE

APPROVALS

MEDICAL UNITS (PENDING):
UL 60601-1, CUL TO 22.2NO.601, DEMKO TO EN60601, CE FOR EMC

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3 AND EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4.

MTBF:
GREATER THAN 50,000 HOURS AT 25C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD (MIL-217 STD)

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-40°C TO 80°C

VIBRATION:
5 Grms ACCELERATION, 6 DEGREE-OF-FREEDOM (RANDOM), 1 HOUR Z-AXIS DURATION

DROP TEST:
1 m, FREEFALL

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM51060-3012-D	+12.0	0 - 2.5	0 - 30
GTM51060-3015-D	+15.0	0 - 2.0	0 - 30
GTM51060-3018-D	+18.0	0 - 1.7	0 - 30
GTM51060-3024-D	+24.0	0 - 1.25	0 - 30
GTM51060-3036-D	+36.0	0 - 0.83	0 - 30
GTM51060-3048-D	+48.0	0 - 0.63	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2000
REGISTERED

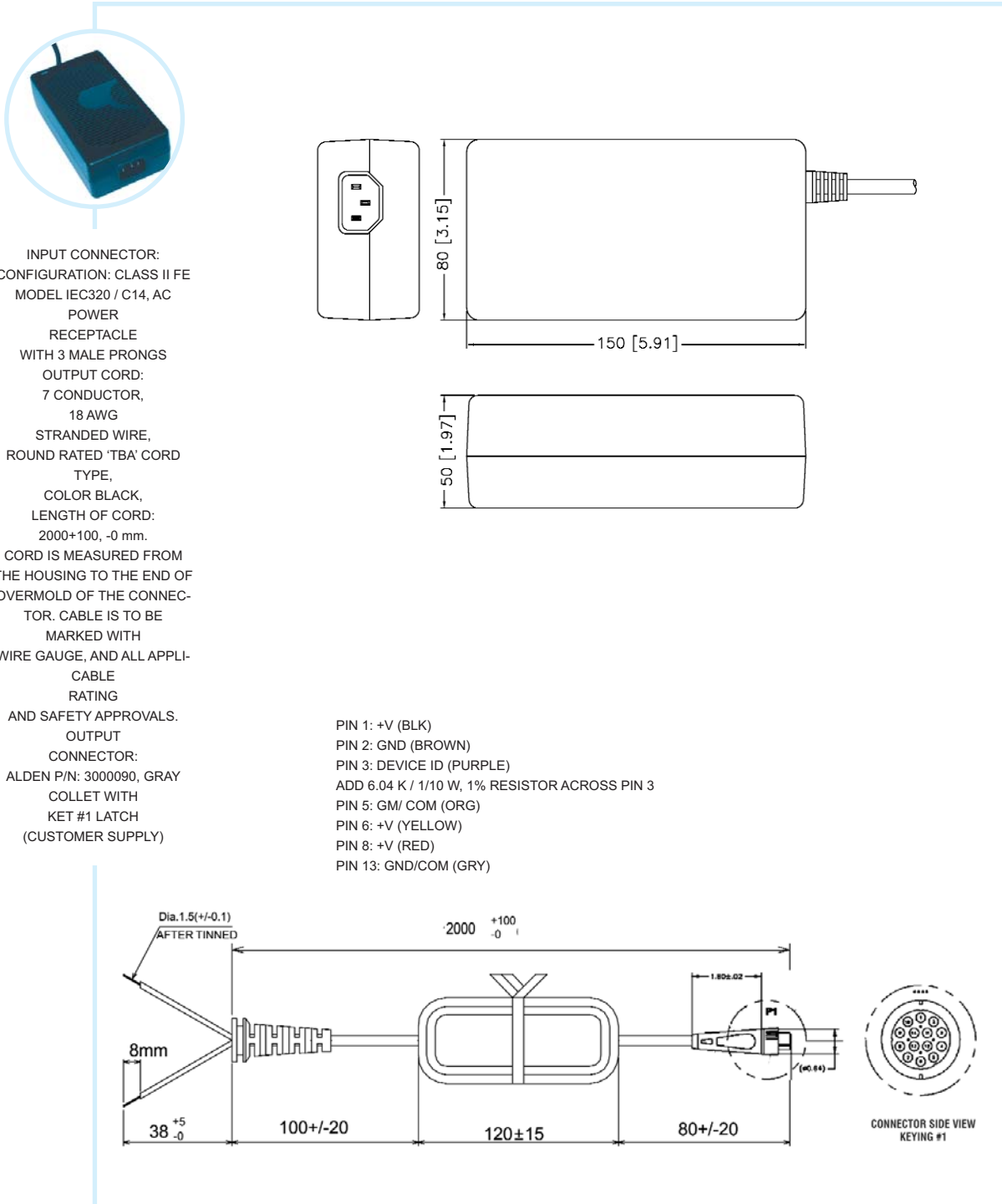


30 Watts, Family Desktop, Switchmode Power Supply, Universal Input, Medical, Class II FE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

In-Line Switching Power Supply, 30 Watts, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
<1.5 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
SEE CHART BELOW, NO LOAD TO FULL LOAD,
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
30 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% OF NOMINAL OUTPUT VOLTAGE MEASURED AT O/P
CONNECTOR AT NOMINAL LINE

LINE VOLTAGE REGULATION:
+/- 2% MAX AT FULL LOAD

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/- 2% MAXIMUM MEASURED AT 20 MHZ BANDWIDTH WITH
0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 10 UF
ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF
OUTPUT CONNECTOR

TURN ON / TURN OFF OVERTHOOT:
5% MAX 500uS MAX RECOVERY TIME FOR 25% TO 50%
STEP LOAD

TURN-ON DELAY:
3 SECONDS, MAX AT FULL LOAD, NOMINAL LINE

HOLD-UP TIME:
8mS MIN AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
60A MAX COLD START AT 240 VAC INPUT

SWITCHING FREQUENCY:
100 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED BY ZENOR DIODE ACROSS THE OUTPUT

OVER-LOAD:
PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:
PROTECTED, HICCUP WITH AUTO RECOVERY

INPUT:
INPUT LINE AND NEUTRAL FUSING

SAFETY:
DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:
<300 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60601-1 3RD ED, CUL TO 22.2 #60601-1(PENDING), NEMKO
TO 60601-1, (PENDING) CCC TO GB4943-2001, GB9254-1998,
GB17625.12003(PENDING), GOST-R, CE CLASS II, AS/NZ TO
60950 (PENDING) , C-TICK TO 55022 (PENDING), PSE TO
J60950, CB REPORT

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55011:1998 A1:1999/A2:2002,
EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006,
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5,
EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO
SECTION 301 OF THE ENERGY INDEPENDENCE AND
SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS
TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS:
MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91120-30VV-X.X-P2			
GTM91120-3007.5-2.5-P2	+5.0	0 - 4.0	0 - 20
GTM91120-3007.5-P2	+7.5	0 - 3.0	0 - 22.5
GTM91120-3010.5-1.5-P2	+9.0	0 - 2.5	0 - 22.5
GTM91120-3010.5-P2	+10.5	0 - 2.5	0 - 26.25
GTM91120-3014.5-2.5-P2	+12.0	0 - 2.5	0 - 30
GTM91120-3014.5-P2	+14.5	0 - 1.7	0 - 24.65
GTM91120-3019.5-1.5-P2	+18.0	0 - 1.7	0 - 30
GTM91120-3019.5-P2	+19.5	0 - 1.5	0 - 30
GTM91120-3024-2.0-P2	+22.0	0 - 1.36	0 - 30
GTM91120-3024-P2	+24.0	0 - 1.25	0 - 30
GTM91120-3036-P2	+36.0	0 - 0.83	0 - 30
GTM91120-3048-P2	+48.0	0 - 0.625	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

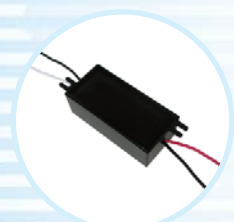
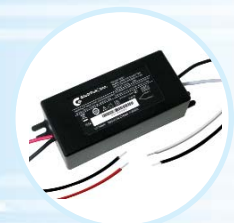
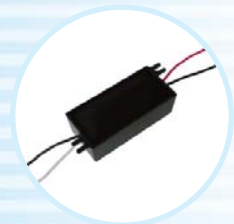
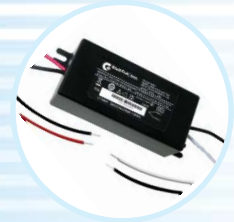
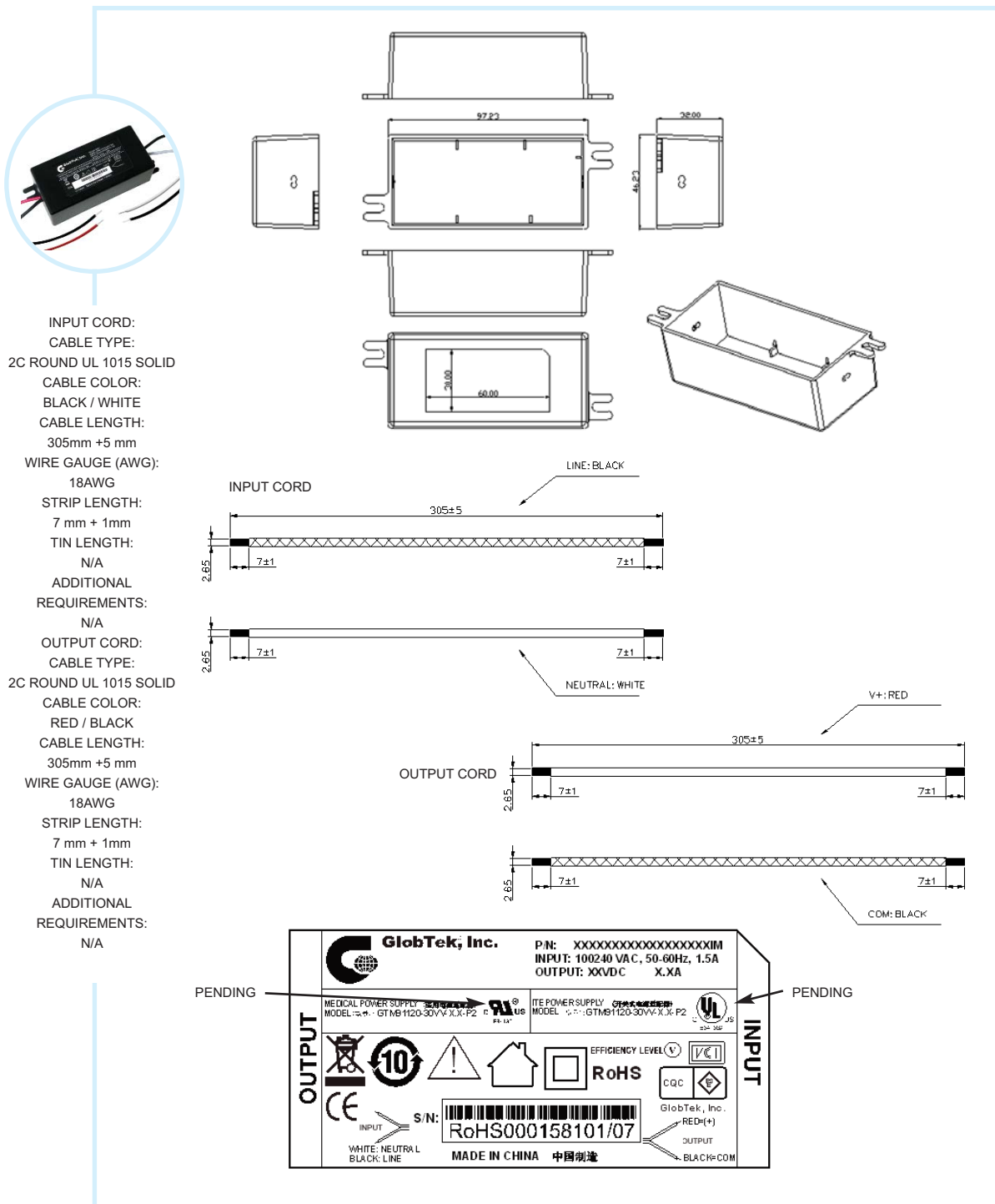


In-Line Switching Power Supply, 30 Watts, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE COLOR: BLACK
DIMENSIONS: 97.23 x 46.23 x 32.0mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

In-Line Switching Power Supply, 30 Watts, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
<1.5 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
SEE CHART BELOW, NO LOAD TO FULL LOAD,
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
30 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% OF NOMINAL OUTPUT VOLTAGE MEASURED AT O/P
CONNECTOR AT NOMINAL LINE

LINE VOLTAGE REGULATION:
+/- 2% MAX AT FULL LOAD

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/- 2% MAXIMUM MEASURED AT 20 MHZ BANDWIDTH WITH
0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 10 UF
ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF
OUTPUT CONNECTOR

TURN ON / TURN OFF OVERTHOOT:
5% MAX 500uS MAX RECOVERY TIME FOR 25% TO 50%
STEP LOAD

TURN-ON DELAY:
3 SECONDS, MAX AT FULL LOAD, NOMINAL LINE

HOLD-UP TIME:
8mS MIN AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
60A MAX COLD START AT 240 VAC INPUT

SWITCHING FREQUENCY:
100 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED BY ZENOR DIODE ACROSS THE OUTPUT

OVER-LOAD:
PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:
PROTECTED, HICCUP WITH AUTO RECOVERY

INPUT:
INPUT LINE AND NEUTRAL FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:
<300 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60601-1 3RD ED, CUL TO 22.2 #60601-1(PENDING), NEMKO
TO 60601-1, (PENDING) CCC TO GB4943-2001, GB9254-1998,
GB17625.12003(PENDING), GOST-R, CE CLASS I, AS/NZ TO
60950 (PENDING) , C-TICK TO 55022 (PENDING), PSE TO
J60950, CB REPORT

EMI:
COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CON-
DUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55011:1998 A1:1999/A2:2002,
EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006,
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5,
EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO
SECTION 301 OF THE ENERGY INDEPENDENCE AND
SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS
TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS:

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO +80° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91120-30VV-X.X-P3			
GTM91120-3007.5-2.5-P3	+5.0	0 - 4.0	0 - 20
GTM91120-3007.5-P3	+7.5	0 - 3.0	0 - 22.5
GTM91120-3010.5-1.5-P3	+9.0	0 - 2.5	0 - 22.5
GTM91120-3010.5-P3	+10.5	0 - 2.5	0 - 26.25
GTM91120-3014.5-2.5-P3	+12.0	0 - 2.5	0 - 30
GTM91120-3014.5-P3	+14.5	0 - 1.7	0 - 24.65
GTM91120-3019.5-1.5-P3	+18.0	0 - 1.7	0 - 30
GTM91120-3019.5-P3	+19.5	0 - 1.5	0 - 30
GTM91120-3024-2.0-P3	+22.0	0 - 1.36	0 - 30
GTM91120-3024-P3	+24.0	0 - 1.25	0 - 30
GTM91120-3036-P3	+36.0	0 - 0.83	0 - 30
GTM91120-3048-P3	+48.0	0 - 0.625	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

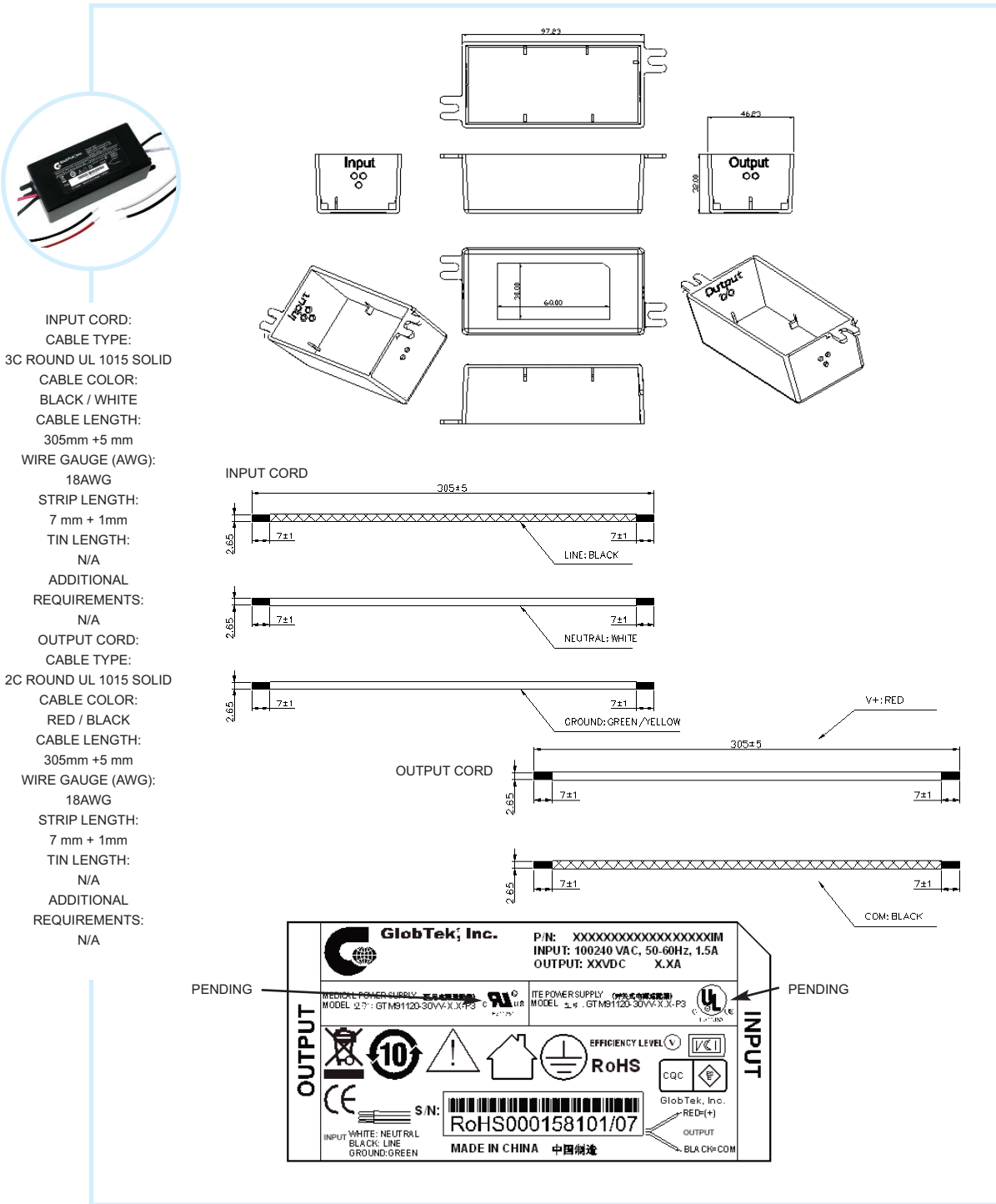


In-Line Switching Power Supply, 30 Watts, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

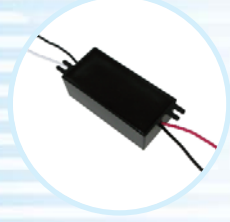
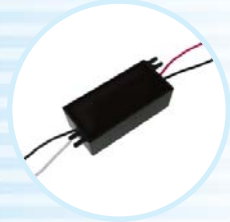
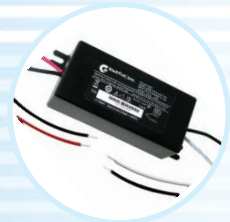
ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE COLOR: BLACK
DIMENSIONS: 43.5 x 74.0 x 35.3mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE



INPUT CORD:
CABLE TYPE:
3C ROUND UL 1015 SOLID
CABLE COLOR:
BLACK / WHITE
CABLE LENGTH:
305mm +5 mm
WIRE GAUGE (AWG):
18AWG
STRIP LENGTH:
7 mm + 1mm
TIN LENGTH:
N/A
ADDITIONAL
REQUIREMENTS:
N/A

OUTPUT CORD:
CABLE TYPE:
2C ROUND UL 1015 SOLID
CABLE COLOR:
RED / BLACK
CABLE LENGTH:
305mm +5 mm
WIRE GAUGE (AWG):
18AWG
STRIP LENGTH:
7 mm + 1mm
TIN LENGTH:
N/A
ADDITIONAL
REQUIREMENTS:
N/A



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**30 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro. UK, SAA Universal Input, Medical, Class I, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90-264 VAC
- INPUT CURRENT:**
<1.5 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE TABLE BELOW
- OUTPUT CURRENT:**
SEE TABLE BELOW
- OUTPUT POWER (RATED):**
SEE TABLE BELOW
- OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):**
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1 f CERAMIC CAPACITOR IN PARALLEL WITH 10 f ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.
- OUTPUT REGULATION:**
+ 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE
- LINE REGULATION:**
+2 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERTHOOT:**
5% MAX 500uS MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD
- TURN-ON DELAY:**
2 SEC MAX AT FULL LOAD
- HOLD-UP TIME:**
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
40 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC
- SWITCHING FREQUENCY:**
100 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- OVER-LOAD:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- SHORT CIRCUIT:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- EFFICIENCY:**
87% < AVERAGE EFFICIENCY IN ACTIVE MODE,
0.3W ≥ NO-LOAD

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91120-3005-T2, T3A	+5.0	0 - 4.0	0 - 20
GTM91120-3007.5-X.X-T2, T3A	+7.5	0 - 3.0	0 - 22
GTM91120-3009-X.X-T2, T3A	+9.0	0 - 2.8	0 - 25
GTM91120-3012-X.X-T2, T3A	+12.0	0 - 2.5	0 - 30
GTM91120-3015-X.X-T2, T3A	+15.0	0 - 2.0	0 - 30
GTM91120-3018-X.X-T2, T3A	+18.0	0 - 1.7	0 - 30
GTM91120-3019-X.X-T2, T3A	+19.0	0 - 1.6	0 - 30
GTM91120-3020-X.X-T2, T3A	+20.0	0 - 1.5	0 - 30
GTM91120-3022-X.X-T2, T3A	+22.0	0 - 1.36	0 - 30
GTM91120-3024-X.X-T2, T3A	+24.0	0 - 1.25	0 - 30
GTM91120-3036-X.X-T2, T3A	+36.0	0 - 0.83	0 - 30
GTM91120-3048-X.X-T2, T3A	+48.0	0 - 0.625	0 - 30

INTERNATIONAL EFFICIENCY COMPLIANCE:

EFFICIENCY LEVEL V REGISTERED WITH EPA ENERGY STAR® PROGRAM VERSION 2.0, COMPLIES WITH U.S. ENERGY INDEPENDENCE AND SECURITY ACT OF 2007 (EISA), CALIFORNIA ENERGY COMMISSION (CEC), EU ECO-DESIGN DIRECTIVE 2005/32/EC (EC REGULATION 278/2009), AUSTRALIA / NEW-ZEALAND MEPS (AS/NZS4665), CHINA ENERGY COUNCIL (CECP), EUROPEAN CODE OF CONDUCT FOR POWER SUPPLY EFFICIENCY. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

OUTPUT INDICATOR:

GREEN LED FOR OUTPUT PRESENT

OTHER PROTECTION:

INPUT LINE AND NEUTRAL FUSING

SAFETY MEDICAL APPROVALS:

UL60601-1, CUL TO 22.2 # 601, SIQ TO EN60601-1, CE, CB REPORT AS/NZ TO 60950-1, C-TICK TO 55022, EK TO K60950-1

SAFETY ITE APPROVALS:

UL60950-1, CUL TO 22.2 # 950, SIQ TO EN60950-1, CE, CB REPORT AS/NZ TO 60950-1, C-TICK TO 55022, EK TO K60950-1

DIELECTRIC WITHSTAND VOLTAGE:

5656 VDC PRIMARY-SECONDARY (FOR MEDICAL)
4242 VDC PRIMARY-SECONDARY (FOR ITE)

LEAKAGE CURRENT:

< 100 µA AT 240 VAC

EMI:

COMPLIES WITH EN55011 AND EN55022 CLASS B, VCCI AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



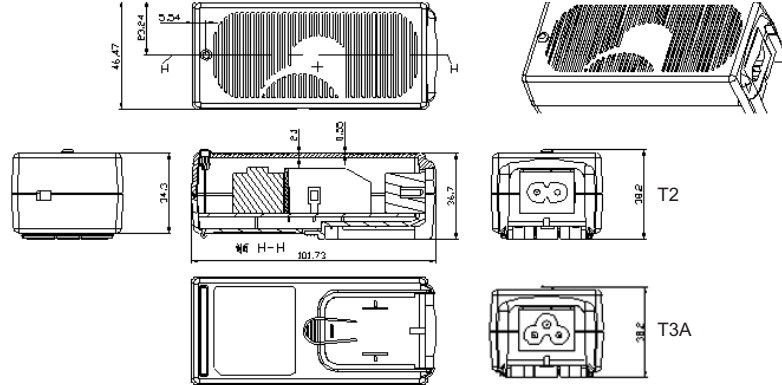
30 Watts, Wall Plug-In Switching Power Supply, N.A., Euro, UK, SAA Universal Input, Medical, Class I, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



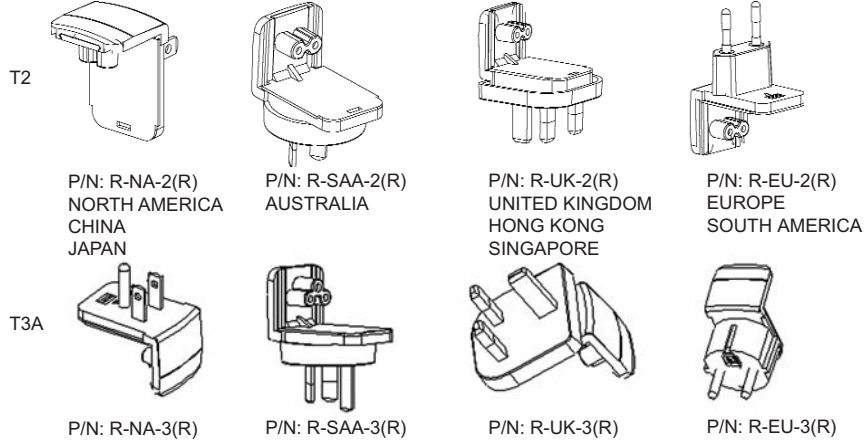
ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94V-0 POLYCARBONATE, NON-VENTED, COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: : 43.5 x 74.0 x 35.3mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE
LED COLOR: GREEN



OUTPUT CORD AND CONNECTOR:

CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1830MM + 150 - 0
WIRE GAUGE (AWG): 18AWG
HANK DIMENSION: 80 ± 10MM
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
14.2 X 28.5 X 8.2
FERRITE # OF TURNS: 2
FERRITE DIMENSION FROM STRAIN RELIEF: 50 ± 10
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVERMOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 X 2.5 X 11MM
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY:
CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



INPUT CONNECTOR OPTIONS		INPUT CONNECTOR	
INTERCHANGEABLE BLADES OR KITS MUST BE ORDERED SEPARATELY			
		R-KIT-2	R-KIT-3
1	CLASS I MODEL NEMA 1-15P: AC POWER PLUG WITH 3 PRONGS, R-NA-3(R)		X
	CLASS II MODEL NEMA 1-15P: AC POWER PLUG WITH 2 PRONGS, R-NA-2(R)	X	
2	AUSTRALIAN CONFIGURATION: 3 PINS CLASS I, R-SAA-3(R)		X
	AUSTRALIAN CONFIGURATION: 2 PINS CLASS II, R-SAA-2(R)	X	
3	UK CONFIGURATION: 2 PINS, CLASS I, R-UK-3(R)		X
	UK CONFIGURATION: 2 PINS, CLASS II, R-UK-2(R)	X	
4	EUROPEAN CONFIGURATION: 3 PINS, CLASS I, R-EU-3(R)		X
	EUROPEAN CONFIGURATION: 2 PINS, CLASS II, R-EU-2(R)	X	





ISO 9001:2008
REGISTERED

GT-91085-3550



**Power over Ethernet Injector, 50V, 0.7A, 35W
Universal Input, ITE**



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264 VAC, 50-60 HZ

INPUT CURRENT:
<1.0 A@90 VAC @ FULL LOAD

OUTPUT VOLTAGE:
50 VDC

OUTPUT CURRENT:
0.7 A MAXIMUM CONTINUOUS LOAD, 0.6 A MAX.
DURING START-UP

OUTPUT POWER:
35 W MAXIMUM

MINIMUM LOAD:
0.050A

LOAD REGULATION:
± 5% MAXIMUM, MEASURED AT THE END OF 1 METER
CAT5 CABLE WITH RJ-45 ON BOTH ENDS.

LINE REGULATION:
±1% MAXIMUM, MEASURED AT THE END OF 1 METER
CAT5 CABLE WITH RJ-45 ON BOTH ENDS.

RIPPLE:
±2% MAXIMUM OF RATED OUTPUT VOLTAGE MEASURED AT
20 MHZ WITH 47 MF ELECTROLYTIC CAPACITOR IN
PARALLEL WITH 0.1 MF CERAMIC CAPACITOR AT THE END OF
THE 1 METER CAT5 CABLE

OPERATION FREQUENCY:
100 KHZ TYPICAL

EFFICIENCY:
80% TYPICAL AT FULL LOAD, NOMINAL LINES

SHORT CIRCUIT :
PROTECTED. UNIT WILL AUTORECOVER WHEN FAULT
IS REMOVED

OVERLOAD:
PROTECTED. UNIT WILL AUTORECOVER WHEN FAULT
IS REMOVED

ISOLATION VOLTAGE:
3000 VAC BETWEEN PRIMARY AND SECONDARY CIRCUITS

INTEROPERABILITY:
DESIGNED TO COMPLY WITH IEEE 802.3AT

EMI:
DESIGNED TO MEET FCC CLASS B , EN55022 CLASS B
STANDARD

SAFETY:
DESIGNED TO MEET UL/EN/IEC 60950-1

OPERATION TEMPERATURE:
-0 - +60 DEGREE

STORAGE TEMPERATURE:
-10 - +70 DEGREE

OPERATION HUMIDITY:
5% - 90% RH

COOLING:
CONVECTION COOLING

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE* (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-91085-3550	48	.7	35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



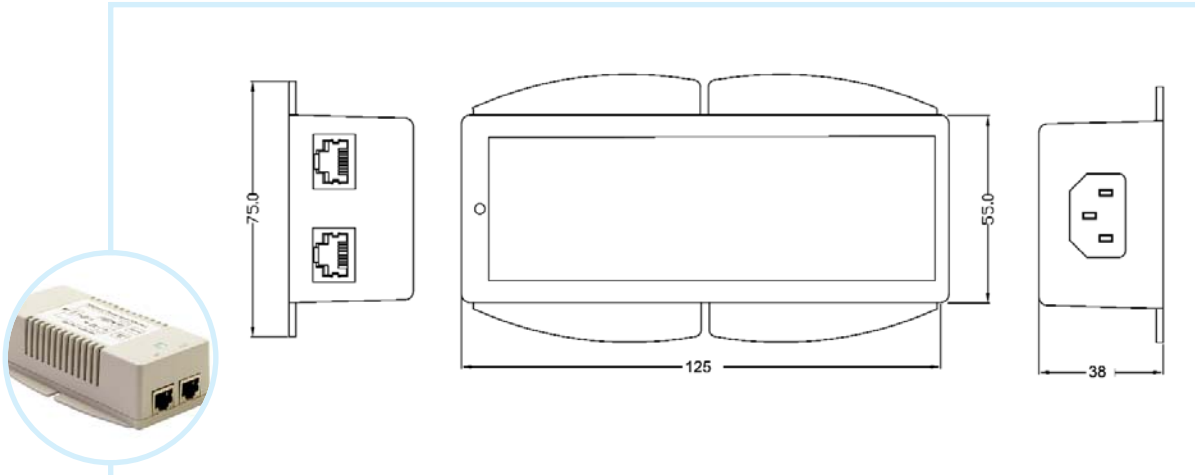
Power over Ethernet Injector, 50V, 0.7A, 35W Universal Input, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE

MECHANICAL SPECIFICATIONS :

- PLASTIC CASE MATERIAL: POLYCARBONATE
- PLASTIC CASE FINISH: TEXTURE
- PLASTIC CASE COLOR: GRAY
- PLASTIC CASE DIMENSION: 125MM (D) * 75MM (W) * 38MM (H)
- WEIGHT: APPROX. 250G

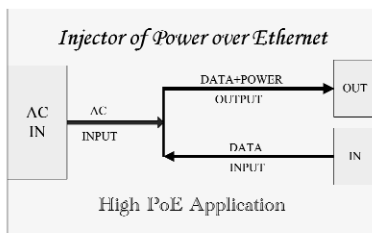


LED INDICATOR:
GREEN = POE OK
RED = AC POWER
ALTERNATE
GREEN AND RED = FAULT
INPUT CONFIGURATION:
POWER: IEC 60320/C14 POWER
RECEPTACLE DATA:
SHIELDED RJ45,
EIA 568A+568B
RJ-45 CONNECTOR
AND PINOUT.

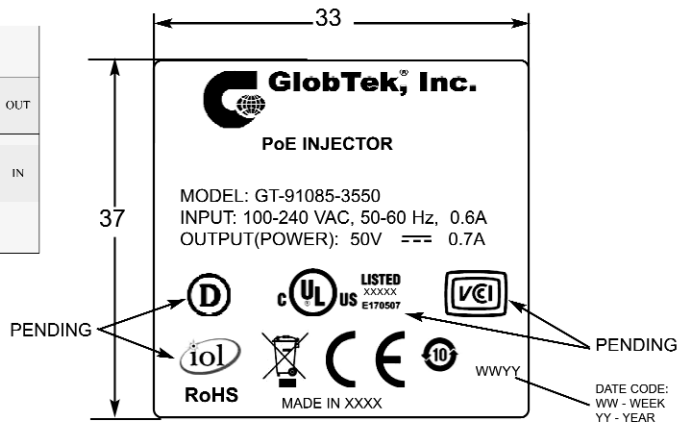
Pin	RJ-45 Inpit (Data Only)		RJ-45 Output (Data Only)	
	Symbol	Description	Symbol	Description
1	Rx+	Data Receive	Rx+	Data Receive
2	Rx-	Data Receive	Rx-	Data Receive
3	Tx+	Data Transmit	Tx+	Data Transmit
4	NC	Not Connected	-Vdc return (+)	Power (+V dc)
5	NC	Not Connected	-Vdc return (+)	Power (+V dc)
6	Tx-	Data Transmit	Tx-	Data Transmit
7	NC	Not Connected	-Vdc	Power (-V dc)
8	NC	Not Connected	-Vdc	Power (-V dc)

Note: Pins 7 and 8 (-Vdc) should not be shorted to ground.

TOP LABEL



BOTTOM LABEL



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-41083-T2



**40 Watts, Desktop Switching Power Supply,
Universal Input ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

100 VAC TO 240 VAC

INPUT CURRENT:

<0.6 A RMS MAX

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT VOLTAGE:

SEE CHART BELOW

OUTPUT CURRENT:

NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

RATED OUTPUT POWER:

40 WATTS, MAXIMUM

OUTPUT LOAD REGULATION:

+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:

+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):

1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT
20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN
PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:

5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SECOND, TYPICAL

HOLD-UP TIME:

8mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:

30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT

SWITCHING FREQUENCY:

65 KHz TYPICAL

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO
SECTION 301 OF THE ENERGY INDEPENDENCE AND
SECURITY ACT (EISA). CECP TIER 2 (CHINA), MEPS TIER 2
(AUSTRALIA), CODE OF CONDUCT (EUROPE)

OVER-VOLTAGE:

PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:

PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:

INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:

<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:

UL60950-1, CUL TO 22.2 #60950-1, NEMKO TO 60950-1 A12,
CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R.
CE CLASS II, AS/NZ TO 60950 (PENDING) , C-TICK TO 55022
(PENDING), PSE TO J60950, CB REPORT

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-
2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N
EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO -80°C

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:

CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41083-1812-T2	+ 12.0	0 - 3.30	0 -40
GT-41083-1824-5.0-T2	+ 19.0	0 - 2.10	0 -40
GT-41083-1824-4.0-T2	+ 20.0	0 - 2.00	0 -40
GT-41083-1824-T2	+ 24.0	0 - 1.70	0 -40
GT-41083-1848-T2	+ 48.0	0 - 0.85	0 -40

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED




**40 Watts, Desktop Switching Power Supply,
Universal Input ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

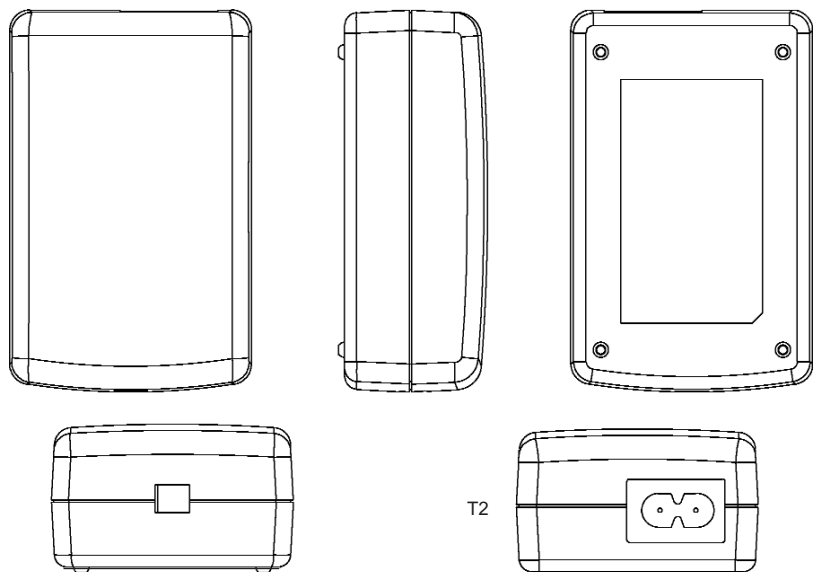


ENCLOSURE

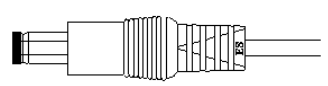
CONFIGURATION:
94V0 POLYCARBONATE, NON-VENTED, COLOR COOL GRAY PANTONE # 11C
SIZE: 47.8 x 75.5 x 28.2mm +/- 1.0
AC INLET: IEC 60320 / C8



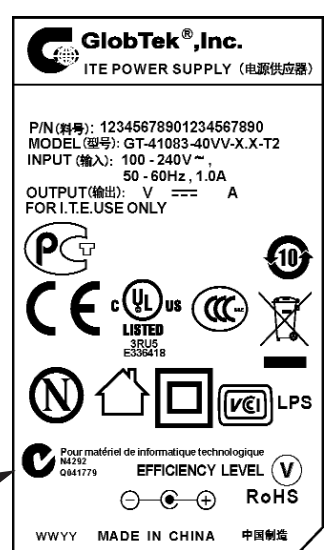
OUTPUT CORD AND CONNECTOR:
CABLE TYPE:
1C + SHIELD UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG): 18AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
12 x 20 x 7.3mm
FERRITE # OF TURNS: 1
FERRITE DIMENSION FROM STRAIN RELIEF: 50 ± 10mm
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



T2



PENDING



GlobTek® Inc.
ITE POWER SUPPLY (电源供应器)

P/N (料号): 12345678901234567890
MODEL (型号): GT-41083-40VV-X.X-T2
INPUT (输入): 100 - 240V ~
50 - 60Hz, 1.0A
OUTPUT (输出): V --- A
FOR I.T.E. USE ONLY

PC T, CE, UL US LISTED 3RUS E3006418, CCC, RoHS, RoHS, EFFICIENCY LEVEL V, RoHS, WWWW MADE IN CHINA 中国制造

NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED



**40 Watts, Desktop Switching Power Supply,
Universal Input, ITE, Class I, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
1.0 AMP RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
12 VDC

OUTPUT CURRENT:
3.3 A, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

OUTPUT POWER (RATED):
40 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT
20 MHz BANDWIDTH WITH 0.1 µF CERAMIC CAPACITOR IN
PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CON-
NECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL
LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25%
STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL
OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:

UL60950-1 (2ND EDITION), CUL TO 22.2 #60950-1, NEMKO TO
EN 60950-1 A12 (2ND EDITION), CCC (PENDING) TO GB4943-
2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS I,
AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING),
PSE TO J60950, CB REPORT (2ND EDITION)

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15
CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998 A1:2000,
EN610003-2, E610003-3 INCLUDING EN61204-3:2000,
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5,
EN61000-4-6N, EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF
THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SEC-
TION 301 OF THE ENERGY INDEPENDENCE AND SECURITY
ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA),
CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-43006-2415-7.0-T2, T3, T3A	+ 8.00	0 - 30	0 - 24
GT-43006-2715-6.0-T2, T3, T3A	+ 9.00	0 - 30	0 - 27
GT-43006-3615-3.0-T2, T3, T3A	+ 12.00	0 - 30	0 - 36
GT-43006-4015-3.0-T2, T3, T3A	+ 12.00	0 - 3.30	0 - 40
GT-43006-4015-T2, T3, T3A	+ 15.00	0 - 2.70	0 - 40
GT-43006-4024-5.0-T2, T3, T3A	+ 19.00	0 - 2.10	0 - 40
GT-43006-4024-T2, T3, T3A	+ 24.00	0 - 1.67	0 - 40
GT-43006-4048-12.0-T2, T3, T3A	+ 36.00	0 - 1.10	0 - 40
GT-43006-4048-T2, T3, T3A	+ 48.00	0 - 0.83	0 - 40

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



40 Watts, Desktop Switching Power Supply, Universal Input, ITE, Class I, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

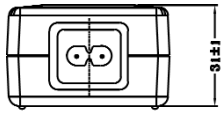


ENCLOSURE

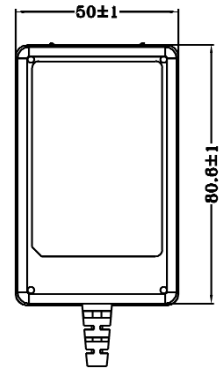
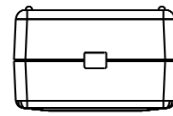
MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 47.8 x 75.5 x 28.2mm +/- 1.0
AC INLET: IEC 60320 / C14 / C8 / C6



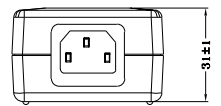
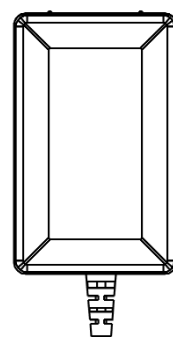
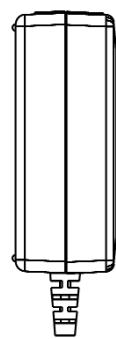
CABLE TYPE:
1C+SHIELD, UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG): 18 AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM STRAIN RELIEF: N/A
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION: RIGHT ANGLE
PLUG DIMENSIONS:
5.5 x 2.1 x 9.5mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS:
N/A



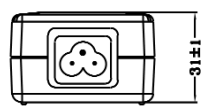
T2



T3



T3A



GlobTek® ,Inc.
ITE POWER SUPPLY (电源供应器)

P/N (料号): 12345678901234567890
MODEL (型号): GT-43006-40VV-X-X-T3
INPUT (输入): 100 - 240V ~, 50 - 60Hz, 1.0A
OUTPUT (输出): 12V --- 3.3A
FOR I.T.E.USE ONLY

Pour matériel de informatique technologique N4292
 EFFICIENCY LEVEL V
 GlobTek, Inc.
 WWYY MADE IN CHINA 中国制造

PENDING





ISO 9001:2008
REGISTERED

**40 Watts, Wall Plug-In Switching Power Supply,
Universal Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
1.0 AMP RMS MAX

INPUT FREQUENCY:
47-63 Hz

OUTPUT VOLTAGE:
12 VDC

OUTPUT CURRENT:
3 A, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
40 WATTS MAX (SEE TABLE BELOW)

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 150 MV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN-ON/TURN-OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3000 mSEC MAX

HOLD-UP TIME:
10 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
30 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
66.5 KHz TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<0.25 mA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY DOCUMENTS ARE AVAILABLE ONLINE BY CLICKING THIS LINK.

SAFETY APPROVAL:
UL60950-1 2ND EDITION, CUL TO 22.2 #60950-1, DEMKO TO EN60950-1 2ND EDITION, CCC (PENDING) TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT 2ND EDITION. CERTIFIED COMPLIANCE WITH IP52 PER IEC60529:2001

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:2006/A1:2007 CLASS B, EN610003-2, EN610003-3 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V
COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-40°C TO 80° C

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-43007-3212	+ 12.00	+ 2.67	0 - 32
GT-43007-4024-5.0	+ 19.00	+ 2.10	0 - 40
GT-43007-4024-4.0	+ 20.00	+ 2.00	0 - 40
GT-43007-4024	+ 24.00	+ 1.67	0 - 40
GT-43007-3012	+ 12.00	+ 2.50	0 - 30
GT-43007-3024-5.0	+ 19.00	+ 1.57	0 - 30
GT-43007-3024-4.0	+ 20.00	+ 1.50	0 - 30
GT-43007-3024	+ 24.00	+ 1.25	0 - 30

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-21086



**Switcher, 0-50 Watt, Single Output with AC SYNC Output,
Desktop Universal Input, ITE, CLASS I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90Vac TO 264Vac

INPUT CURRENT:
<1.6A rms AT 90VAC INPUT

INPUT FREQUENCY:
47HZ - 63HZ

OUTPUT VOLTAGE:
18 VDC, NO LOAD TO FULL LOAD, NO MINIMUM LOAD
REQUIRED

AC SYNCHRONIZATION:
5V SQUARE WAVE, 50Hz/60Hz AC SYNC. OUTPUT SIGNAL

OUTPUT CURRENT:
1.67 A

RATED OUTPUT POWER:
30 WATTS, MAXIMUM

OUTPUT REGULATION:
+/-5% MEASURED AT THE OUTPUT CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

HIGH FREQ. OUTPUT RIPPLE:
1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL

TURN-ON/TURN-OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25%
STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
20A TYPICAL AT 115Vac INPUT AND 30A TYPICAL AT
230Vac INPUT

SWITCHING FREQUENCY:
100KHZ TYPICAL

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

OUTPUT INDICATOR:
GREEN LED FOR OUTPUT PRESENT

OVER-VOLTAGE:
VOLTAGE LIMITED BY CROWBAR METHOD

OVERLOAD:
HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF
RATED LOAD)

SHORT CIRCUIT:
HICCUP MODE, OUTPUT WILL AUTORECOVER UPON
REMOVAL OF SHORT

INPUT PROTECTION:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242Vdc FROM PRIMARY TO SECONDARY

EARTH LEAKAGE CURRENT:
500uA at 264Vac INPUT VOLTAGE

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B WHEN TESTED WITH RESITIVE LOAD, BOTH CONDUCTED
AND RADIATED EMI.

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND
EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11 LEVEL 4.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE NOMINAL LINE AND FULL LOAD (MIL-217 STD)

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
- 40°C TO 80°C

NOTE:
CUSTOMIZATION AVAILABLE UPON REQUEST

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	AC SYNCHRO-NIZATION	OUTPUT CURRENT (A)	RATED OUTPUT POWER(W)
GT-21086-3005	+5.0	✓	0 - 6.0	0 - 30
GT-21086-4509-X.X	+9.0	✓	0 - 5.0	0 - 45
GT-21086-5012-X.X	+12.0	✓	0 - 4.1	0 - 50
GT-21086-5015-X.X	+15.0	✓	0 - 3.3	0 - 50
GT-21086-5018-X.X	+18.0	✓	0 - 2.7	0 - 50
GT-21086-5024-5.0-X.X	+19.0	✓	0 - 2.6	0 - 50
GT-21086-5024.4.0-X.X	+20.0	✓	0 - 2.5	0 - 50
GT-21086-5024-2.0-X.X	+22.0	✓	0 - 2.3	0 - 50
GT-21086-5024-X.X	+24.0	✓	0 - 2.1	0 - 50
GT-21086-5048-12.0-X.X	+36.0	✓	0 - 1.4	0 - 50
GT-21086-5048-X.X	+48.0	✓	0 - 1.0	0 - 50

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



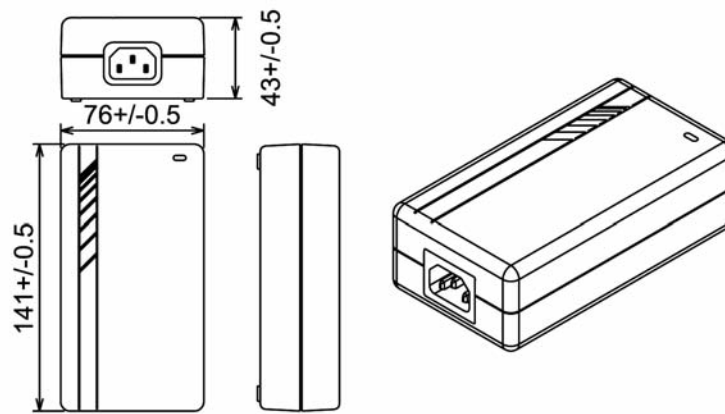
Switcher, 0-50 Watt, Single Output with AC SYNC Output, Desktop Universal Input, ITE, CLASS I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 141 x 76 x 43 ± 1 mm



INPUT AND OUTPUT CONNECTION INPUT :

CONFIGURATION:

CLASS I MODEL IEC320 / C14, AC POWER INLET WITH 3 MALE PRONGS

OUTPUT CORD:

4 CONDUCTORS, 2 X 18 AWG & 2 X 22 AWG STRANDED WIRE, ROUND UL 2464 CORD TYPE, COLOR BLACK ,

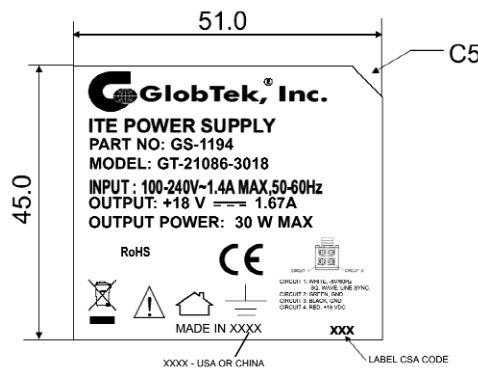
LENGTH OF CORD:

915 +50,-0 MM., CORD IS MEASURED FROM THE HOUSING TO THE MOLEX CONNECTOR.

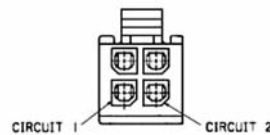
CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR:

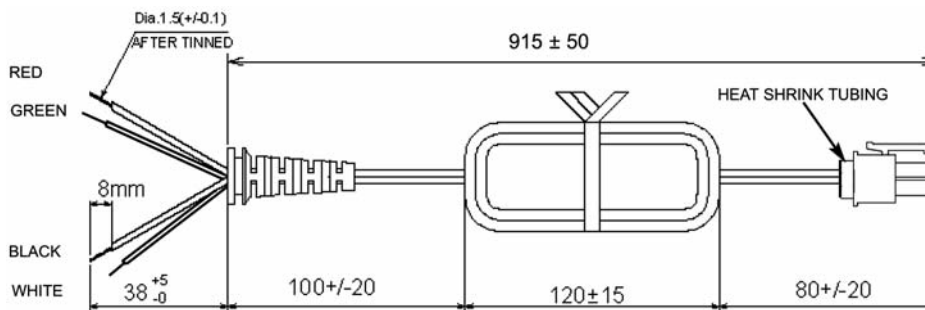
MOLEX HOUSING
P/N: 43025-0400, 4 PINS;
TERMINAL P/N: 43030-0007 OR EQUIVALENT



FRONT VIEW



CIRCUIT 1: WHITE, -5V/60Hz SQ. WAVE, LINE SYNC.
CIRCUIT 2: GREEN, GND
CIRCUIT 3: BLACK, GND
CIRCUIT 4: RED, +18 VDC



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



0-50 Watts, DeskTop, Switchmode Universal Input, Single Output Family, ITE



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 216)

INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 1.6 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
50 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE, PEAK TO PEAK, TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+/-5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
10ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
20A MAX COLD START FOR 115VAC

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF RATED LOAD), HICCUP MODE OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT

SAFETY APPROVALS:
UL 60950 (THIRD EDITION), CUL TO 22.2 NO. 60950 (3rd ED.), TUV TO EN60950-1:2001, INNOVA-GS TO EN60335-1 PSE TO J60950, CHINESE CCC MARK TO GB4943-2001, GB9254-1998, GB17625.1-2003; C-TICK TO AS/NZ 60950, CB REPORT

OTHER PROTECTION:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) FROM PRIMARY TO SECONDARY

LEAKAGE CURRENT:
<500uA at 264Vac INPUT VOLTAGE

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:
EN55011, Group 1, Class B, EN55022 Class B, EN55011, Group 1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002; EN55024 / EN60601-1-2 / IEC 61000-4-6:2001; EN55024 / EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 / IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024 / EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3 A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.

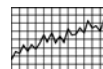
MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD (MIL-217 STD)

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

- NOTES:**
1. - : ITE MODEL OR (M): MEDICAL MODEL
 2. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
 4. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "E" FOR ELECTRICAL PERFORMANCE CURVES

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21097-2003	+3.3	0 - 6.0	0 - 20
GT-21097-3005-1.0	+4.0	0 - 6.0	0 - 24
GT-21097-3005-X.X	+5.0	0 - 6.0	0 - 30
GT-21097-4509-3.0	+6.0	0 - 5.0	0 - 30
GT-21097-4509-2.0	+7.0	0 - 5.0	0 - 35
GT-21097-4509-1.0	+8.0	0 - 5.0	0 - 40
GT-21097-4509-X.X	+9.0	0 - 5.0	0 - 45
GT-21097-5012-2.0	+10.0	0 - 5.0	0 - 50
GT-21097-5012-1.0	+11.0	0 - 4.5	0 - 50
GT-21097-5012-X.X	+12.0	0 - 4.17	0 - 50
GT-21097-5015-2.0	+13.0	0 - 3.8	0 - 50
GT-21097-5015-1.2	+13.8	0 - 3.6	0 - 50
GT-21097-5015-1.0	+14.0	0 - 3.5	0 - 50
GT-21097-5015-X.X	+15.0	0 - 3.3	0 - 50
GT-21097-5018-X.X	+18.0	0 - 2.8	0 - 50
GT-21097-5024-4.0	+20.0	0 - 2.5	0 - 50
GT-21097-5024-X.X	+24.0	0 - 2.1	0 - 50
GT-21097-5048-20.4	+27.6	0 - 1.8	0 - 50
GT-21097-5048-18.0	+30.0	0 - 1.7	0 - 50
GT-21097-5048-12.0	+36.0	0 - 1.4	0 - 50
GT-21097-5048-X.X	+48.0	0 - 1.1	0 - 50

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-50 Watts, DeskTop, Switchmode Universal Input, Single Output Family, ITE

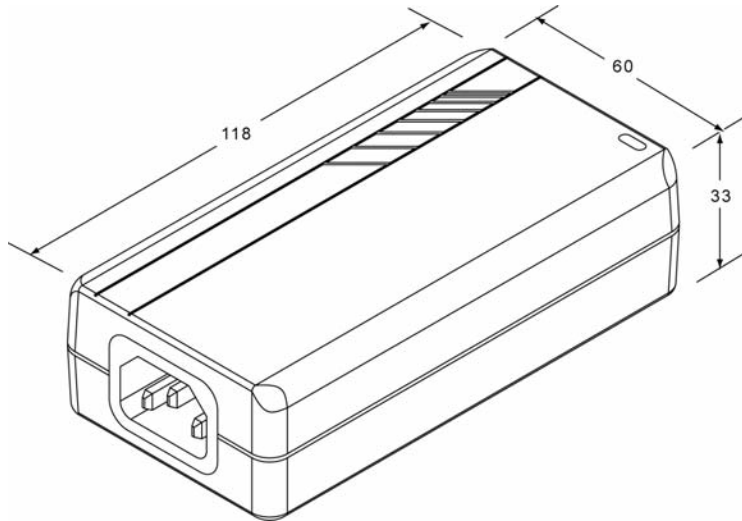
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 216)



INDOOR USE ONLY

ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK



DESKTOP CLASS I: T3

SIZE:

119 X 60 X 32 ± 1 mm

INPUT CONFIGURATION:

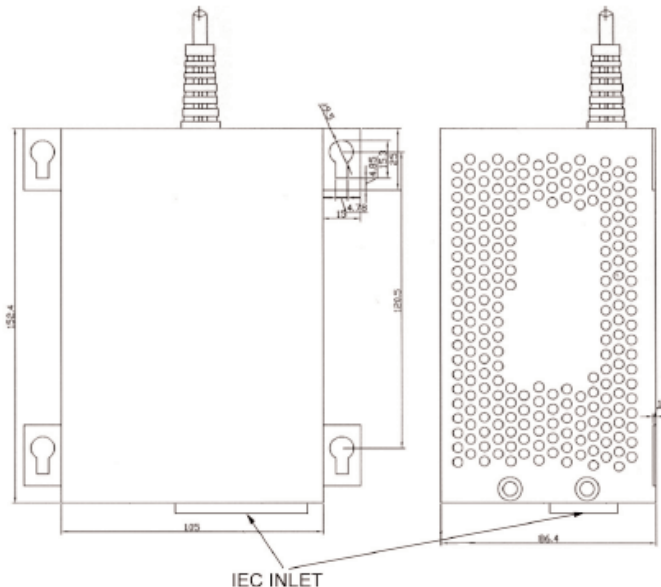
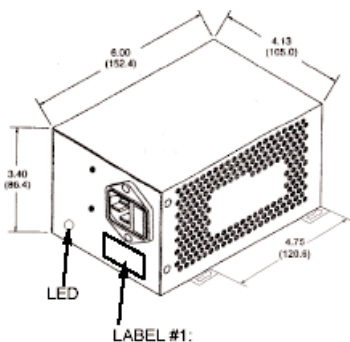
- CLASS 1 MODEL IEC320 / C14, AC
- POWER RECEPTACLE WITH 3 MALE PINS
- GROUND PIN CONNECTED INTERNALLY BY AWG18 STRANDED
- HOOK-UP WIRE, GREEN W/YELLOW STRIPES JACKET, TO 'Y' SAFETY CAPACITORS COMMON.

INDICATOR:

GREEN LED, OUTPUT PRESENT

ALTERNATE ENCLOSURE (SPECIAL ORDER):

UPPER COVER: MATERIAL: 0.048 in THICK ALUMINUM, GlobTek # 800-0202, SIDE(S) SCREENED,
LOWER CHASSIS: GlobTek # 800-0203. KEYHOLE MOUNTING TABS (4), 4.75" CENTER SPACING.
KEYHOLE: Ø 0.375 in , 0.188 in WIDE, & 0.60 in LONG.
AC CORD CLIP AVAILABLE:
SIZE: 152.4 x 105 x 86.4 + 1 mm



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM21097 SERIES-50W



0-50 Watts, DeskTop, Switchmode Universal Input, Single Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 1.6 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
50 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE, PEAK TO PEAK, TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+/-5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
20A TYPICAL AT 115Vac INPUT AND 30A TYPICAL AT 230Vac INPUT

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF RATED LOAD), HICCUP MODE OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
UL 60601.1, CUL TO 22.2 NO. 601.1, TUV TO EN60601.1, PSE TO J60950
CB REPORT

DIELECTRIC WITHSTAND VOLTAGE:

5656VDC (4000VAC) FROM PRIMARY TO GROUND
2121VDC (1500VAC) FROM PRIMARY TO GROUND

LEAKAGE CURRENT:

<500uA at 264Vac INPUT VOLTAGE

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

EN55011, Group 1, Class B, EN55022 Class B, EN55011, Group 1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002; EN55024 / EN60601-1-2 / IEC 61000-4-6:2001; EN55024 / EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 / IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024 / EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3 A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE

MARK

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3 AND EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD (MIL-217 STD)

OPERATING TEMPERATURE:

0°C TO 40°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

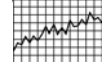
-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. (M): MEDICAL MODEL
2. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
4. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "E" FOR ELECTRICAL PERFORMANCE CURVES

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM21097-2003	+3.3	0 - 6.0	0 - 20
GTM21097-3005-1.0	+4.0	0 - 6.0	0 - 24
GTM21097-3005-X.X	+5.0	0 - 6.0	0 - 30
GTM21097-4509-3.0	+6.0	0 - 5.0	0 - 30
GTM21097-4509-2.0	+7.0	0 - 5.0	0 - 35
GTM21097-4509-1.0	+8.0	0 - 5.0	0 - 40
GTM21097-4509-X.X	+9.0	0 - 5.0	0 - 45
GTM21097-5012-2.0	+10.0	0 - 5.0	0 - 50
GTM21097-5012-1.0	+11.0	0 - 4.5	0 - 50
GTM21097-5012-X.X	+12.0	0 - 4.17	0 - 50
GTM21097-5015-2.0	+13.0	0 - 3.8	0 - 50
GTM21097-5015-1.2	+13.8	0 - 3.6	0 - 50
GTM21097-5015-1.0	+14.0	0 - 3.5	0 - 50
GTM21097-5015-X.X	+15.0	0 - 3.3	0 - 50
GTM21097-5018-X.X	+18.0	0 - 2.8	0 - 50
GTM21097-5024-4.0	+20.0	0 - 2.5	0 - 50
GTM21097-5024-X.X	+24.0	0 - 2.1	0 - 50
GTM21097-5048-20.4	+27.6	0 - 1.8	0 - 50
GTM21097-5048-18.0	+30.0	0 - 1.7	0 - 50
GT-500148-30	+30.0	0 - 2.0	0 - 60
GTM21097-5048-12.0	+36.0	0 - 1.4	0 - 50
GTM21097-5048-X.X	+48.0	0 - 1.1	0 - 50



ISO 9001:2008 REGISTERED



0-50 Watts, DeskTop, Switchmode Universal Input, Single Output Family, Medical

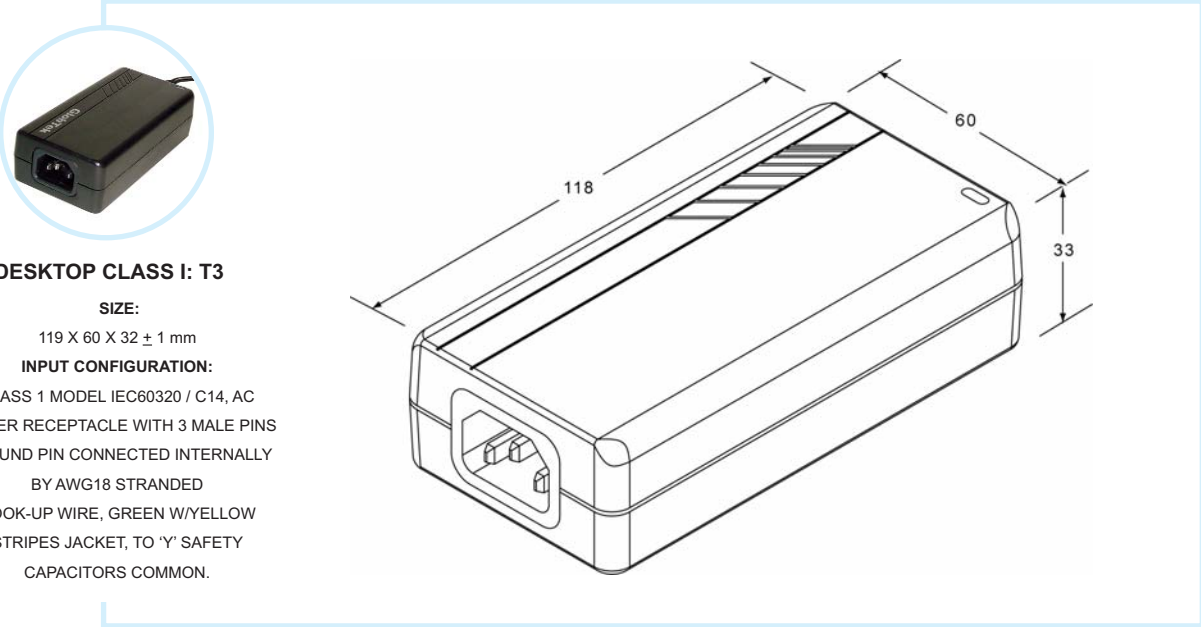
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



DESKTOP CLASS I: T3

SIZE:

119 X 60 X 32 ± 1 mm

INPUT CONFIGURATION:

CLASS 1 MODEL IEC60320 / C14, AC POWER RECEPTACLE WITH 3 MALE PINS GROUND PIN CONNECTED INTERNALLY BY AWG18 STRANDED HOOK-UP WIRE, GREEN W/YELLOW STRIPES JACKET, TO 'Y' SAFETY CAPACITORS COMMON.

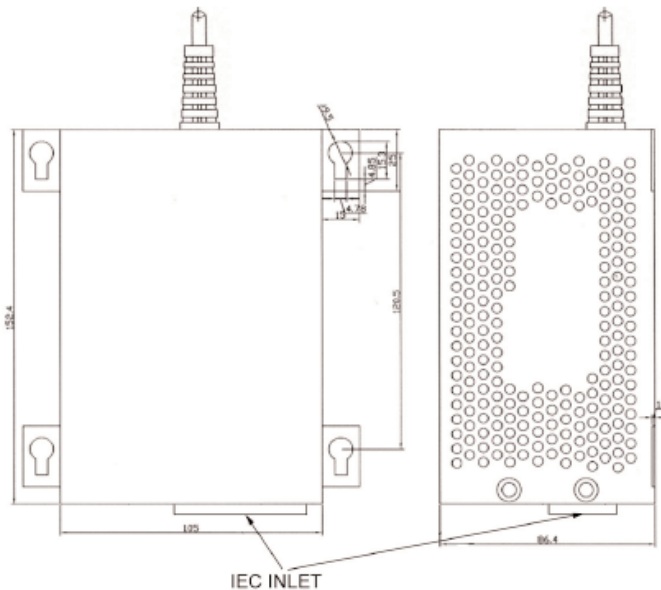
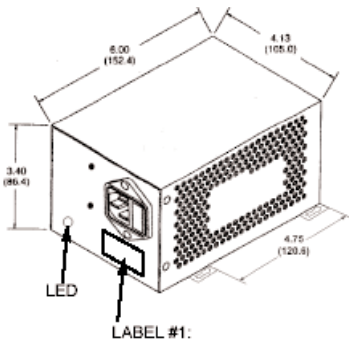
INDICATOR:

GREEN LED, OUTPUT PRESENT

ALTERNATE ENCLOSURE (SPECIAL ORDER):

UPPER COVER: MATERIAL: 0.048 in THICK ALUMINUM, GlobTek # 800-0202, SIDE(S) SCREENED, LOWER CHASSIS: GlobTek # 800-0203. KEYHOLE MOUNTING TABS (4), 4.75" CENTER SPACING. KEYHOLE: Ø 0.375 in , 0.188 in WIDE, & 0.60 in LONG.

AC CORD CLIP AVAILABLE: SIZE: 152.4 x 105 x 86.4 + 1 mm



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-50 Watts, Desktop Universal Input, Class 2 Power Unit,
Single Output Family**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 132 VAC

INPUT CURRENT:
≤ 1.6 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
57 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
50 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 0.5 % MAX AT FULL LOAD

TURN ON / TURN OFF OVERSHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
UL 1310, CUL TO 22.2 # 223-M91, PSE TO J60950, CLASS I

DIELECTRIC WITHSTAND VOLTAGE:
1500VAC PRIMARY-SECONDARY; 1500 VAC
PRIMARY -GROUND

LEAKAGE CURRENT:
≤ 500µA AT 264 VAC INPUT

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 AND EN55011, CLASS B AND FCC
PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD,
BOTH CONDUCTED AND RADIATED

CE MARK:
EN55011, Group 1, Class B, EN55022 Class B, EN55011, Group
1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002;
EN55024 / EN60601-1-2 / IEC 61000-4-6:2001 ; EN55024 /
EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 /
IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-
4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024
/ EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3
A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-
2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.

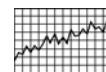
MTBF:
GREATER THAN 200,000 HOURS AT 25° C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:
0° C TO 40° C

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

NOTES:
1. DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.



SEE APPENDIX "E" FOR ELECTRICAL
PERFORMANCE CURVES

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT221097-2003	+3.3	0 - 6.0	0 - 20
GT221097-3005-1.0	+4.0	0 - 6.0	0 - 24
GT221097-3005-X.X	+5.0	0 - 6.0	0 - 30
GT221097-4509-3.0	+6.0	0 - 5.0	0 - 30
GT221097-4509-2.0	+7.0	0 - 5.0	0 - 35
GT221097-4509-1.0	+8.0	0 - 5.0	0 - 40
GT221097-4509-X.X	+9.0	0 - 5.0	0 - 45
GT221097-5012-2.0	+10.0	0 - 5.0	0 - 50
GT221097-5012-1.0	+11.0	0 - 4.5	0 - 50
GT221097-5012-X.X	+12.0	0 - 4.17	0 - 50
GT221097-5015-2.0	+13.0	0 - 3.8	0 - 50
GT221097-5015-1.2	+13.8	0 - 3.6	0 - 50
GT221097-5015-1.0	+14.0	0 - 3.5	0 - 50
GT221097-5015-X.X	+15.0	0 - 3.3	0 - 50
GT221097-5018-X.X	+18.0	0 - 2.8	0 - 50
GT221097-5024-4.0	+20.0	0 - 2.5	0 - 50
GT221097-5024-X.X	+24.0	0 - 2.1	0 - 50
GT221097-5048-18.0	+30.0	0 - 1.7	0 - 50
GT221097-5048-12.0	+36.0	0 - 1.4	0 - 50
GT221097-5048-X.X	+48.0	0 - 1.1	0 - 50



ISO 9001:2008
REGISTERED



**0-50 Watts, Desktop Universal Input, Class 2 Power Unit,
Single Output Family**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



DESKTOP CLASS I: T3

SIZE:

119 X 60 X 32 ± 1 mm

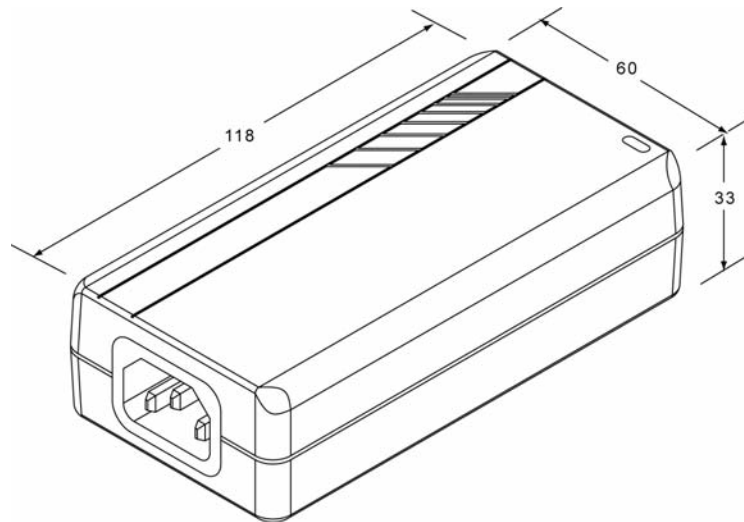
INPUT CONNECTOR:

CONFIGURATION:

CLASS 1

MODEL IEC60320 / C14,

AC POWER RECEPTACLE WITH
3 MALE PINS



INDICATOR:
GREEN LED, OUTPUT PRESENT



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-50 Watts, Desktop, Switchmode Universal Input,
Single Output Family, ITE**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 1.6 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
50 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE, PEAK TO PEAK, TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+/-5% MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:
+/- 1% TYPICAL MEASURED AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
10ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
20A MAX COLD START FOR 115VAC

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF RATED LOAD), HICCUP MODE OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT

SAFETY APPROVALS:
UL 60950 (UL1310 CLASS 2), CUL TO 22.2 NO. 60950 (3rd ED.), TUV TO EN60950-1:2001, INNOVA-GS TO EN60335-1 PSE TO J60950, CHINESE CCC MARK TO GB4943-2001, GB9254-1998, GB17625.1-2003; C-TICK TO AS/NZ 60950, CB REPORT

CONSTANT CURRENT:
MODEL NUMBER CC SUFFIX INDICATES CONSTANT CURRENT

OUTPUT VOLTAGE / CURRENT:

OTHER PROTECTION:

INPUT LINE FUSING
DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) FROM PRIMARY TO SECONDARY

LEAKAGE CURRENT:
<500uA at 264Vac INPUT VOLTAGE

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:

EN55011, Group 1, Class B, EN55022 Class B, EN55011, Group 1, Class B; EN55024 / EN60601-1-2 / IEC 61000-4-3:2002; EN55024 / EN60601-1-2 / IEC 61000-4-6:2001; EN55024 / EN60601-1-2 / IEC 61000-4-8:2001; EN55024 / EN60601-1-2 / IEC 61000-4-11:2001; EN55024 / EN60601-1-2 / IEC 61000-4-4:2001; EN55024 / EN60601-1-2 / IEC 61000-4-2:2001; EN55024 / EN60601-1-2 / IEC 61000-4-5:2001; EN55024 / EN 61000-3-3 A1: 2001 / EN 61000-3-3 A1: 2001; EN55024 / EN 61000-3-2:2001 / EN 61000-3-2:2001. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE NOMINAL LINE AND FULL LOAD (MIL-217 STD)

OPERATING TEMPERATURE:

0°C TO 40°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

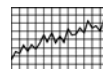
-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. - : ITE MODEL OR (M): MEDICAL MODEL
2. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
4. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "E" FOR ELECTRICAL PERFORMANCE CURVES

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT221097(CC)-2003	+3.3	0 - 6.0	0 - 20
GT221097(CC)-3005-1.0	+4.0	0 - 6.0	0 - 24
GT221097(CC)-3005-X.X	+5.0	0 - 6.0	0 - 30
GT221097(CC)-4509-3.0	+6.0	0 - 5.0	0 - 30
GT221097(CC)-4509-2.0	+7.0	0 - 5.0	0 - 35
GT221097(CC)-4509-1.0	+8.0	0 - 5.0	0 - 40
GT221097(CC)-4509-X.X	+9.0	0 - 5.0	0 - 45
GT221097(CC)-5012-2.0	+10.0	0 - 5.0	0 - 50
GT221097(CC)-5012-1.0	+11.0	0 - 4.5	0 - 50
GT221097(CC)-5012-X.X	+12.0	0 - 4.17	0 - 50
GT221097(CC)-5015-2.0	+13.0	0 - 3.8	0 - 50
GT221097(CC)-5015-1.2	+13.8	0 - 3.6	0 - 50
GT221097(CC)-5015-1.0	+14.0	0 - 3.5	0 - 50
GT221097(CC)-5015-X.X	+15.0	0 - 3.3	0 - 50
GT221097(CC)-5018-X.X	+18.0	0 - 2.8	0 - 50
GT221097(CC)-5024-4.0	+20.0	0 - 2.5	0 - 50
GT221097(CC)-5024-X.X	+24.0	0 - 2.1	0 - 50
GT221097(CC)-5048-20.4	+27.6	0 - 1.8	0 - 50
GT221097(CC)-5048-18.0	+30.0	0 - 1.7	0 - 50
GT221097(CC)-5048-12.0	+36.0	0 - 1.4	0 - 50
GT221097(CC)-5048-X.X	+48.0	0 - 1.1	0 - 50

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-50 Watts, Desktop, Switchmode Universal Input, Single Output Family, ITE

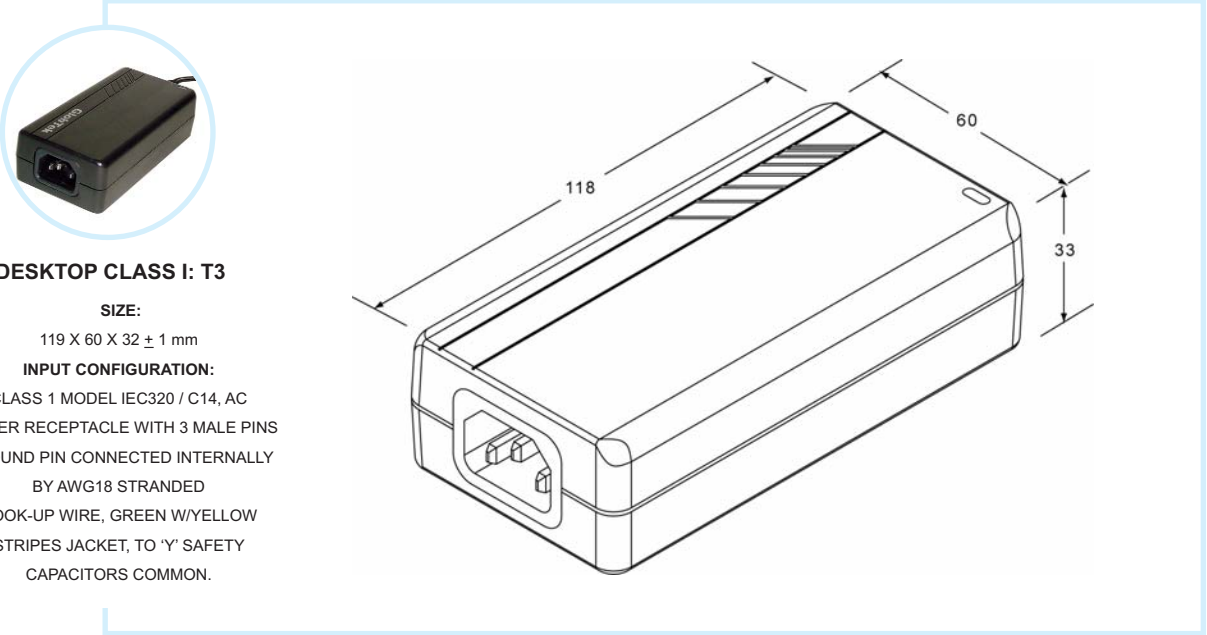
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK



DESKTOP CLASS I: T3

SIZE:

119 X 60 X 32 ± 1 mm

INPUT CONFIGURATION:

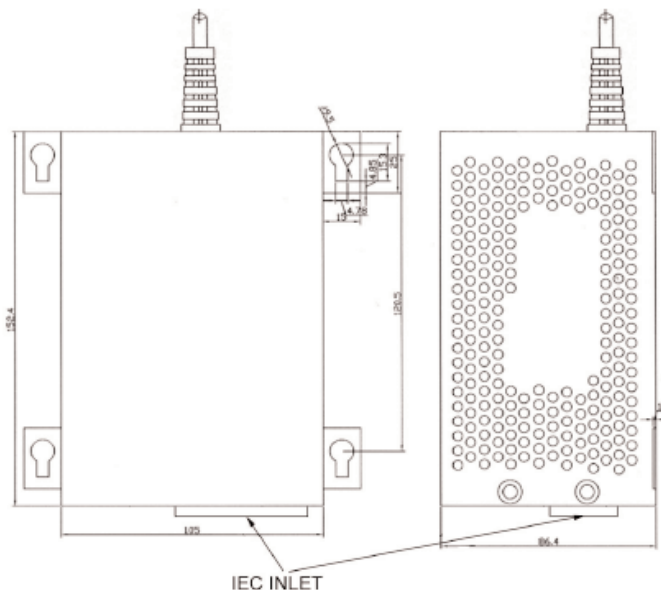
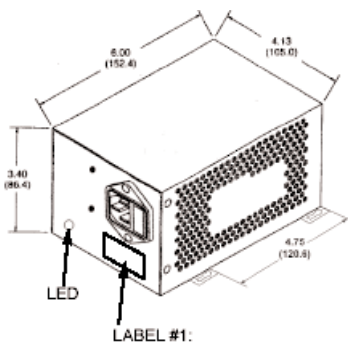
- CLASS 1 MODEL IEC320 / C14, AC
- POWER RECEPTACLE WITH 3 MALE PINS
- GROUND PIN CONNECTED INTERNALLY BY AWG18 STRANDED
- HOOK-UP WIRE, GREEN W/YELLOW STRIPES JACKET, TO 'Y' SAFETY CAPACITORS COMMON.

INDICATOR:

GREEN LED, OUTPUT PRESENT

ALTERNATE ENCLOSURE (SPECIAL ORDER):

UPPER COVER: MATERIAL: 0.048 in THICK ALUMINUM, GlobTek # 800-0202, SIDE(S) SCREENED,
LOWER CHASSIS: GlobTek # 800-0203. KEYHOLE MOUNTING TABS (4), 4.75" CENTER SPACING.
KEYHOLE: Ø 0.375 in , 0.188 in WIDE, & 0.60 in LONG.
AC CORD CLIP AVAILABLE:
SIZE: 152.4 x 105 x 86.4 + 1 mm



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**50 Watts, Switching Power Supply,
Universal Input, ITE, Class I, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



228 ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

100-240 VAC

INPUT CURRENT:

1.2 AMP RMS MAX

INPUT FREQUENCY:

47-63 HZ

OUTPUT VOLTAGE:

SEE TABLE BELOW

OUTPUT CURRENT:

SEE TABLE BELOW, NO MINIMUM LOAD REQUIRED TO
MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):

SEE TABLE BELOW

OUTPUT LOAD REGULATION:

+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:

+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):

1% OR 150 MV WHICHEVER IS GREATER. MEASURED AT
20 MHZ BANDWIDTH WITH 0.1 MF CERAMIC CAPACITOR IN
PARALLEL WITH 10 MF ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:

5% MAXIMUM, 1MS TYPICAL RECOVERY TIME FOR 25%
STEP LOAD

TURN-ON DELAY:

1 SECOND, TYPICAL

HOLD-UP TIME:

8MS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:

30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT

SWITCHING FREQUENCY:

65 KHZ TYPICAL

PROTECTION

OVER-VOLTAGE:

PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:

PROTECTED, UNIT WILL RECOVER UPON REMOVAL
OF FAULT

INPUT:

INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:

<3.5 MA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:

UL60950-1 (2ND EDITION), CUL TO 22.2 #60950-1, NEMKO TO
60950-1 (2ND EDITION), CCC (PENDING) TO GB4943-2001,
GB9254-1998, GB17625.12003, GOST-R
CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022
(PENDING),
PSE TO J60950, CB REPORT (2ND EDITION)

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15
CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55022:1998_A1:2000,
EN610003-2, E610003-3 INCLUDING EN61204-3:2000,
EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5,
EN61000-4-6N EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF
THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V
COMPLIES TO SECTION 301 OF THE ENERGY INDEPEND-
ENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF
CONDUCT (EUROPE)

OTHERS

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-43008-3306-1.0-T2, T3, T3A	+ 5.00	0 - 6.5 (16AWG) 1000mm	0 - 33
GT-43008-3606-T2, T3, T3A	+ 5.95	0 - 6 (16AWG) 1000mm	0 - 36
GT-43008-4509-T2, T3, T3A	+ 9.00	0 - 5 (16AWG) 1000mm	0 - 45
GT-43008-3609-T2, T3, T3A	+ 9.00	0 - 4 (16AWG) 1000mm	0 - 36
GT-43008-5015-3.0-T2, T3, T3A	+ 12.00	0 - 4.2	0 - 50
GT-43008-5015-T2, T3, T3A	+ 15.00	0 - 3.34	0 - 50
GT-43008-5024-5.0-T2, T3, T3A	+ 19.00	0 - 2.64	0 - 50
GT-43008-5024-T2, T3, T3A	+ 24.00	0 - 2.08	0 - 50

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**50 Watts, Switching Power Supply,
Universal Input, ITE, Class I, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

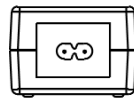


ISO 9001:2008
REGISTERED

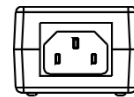
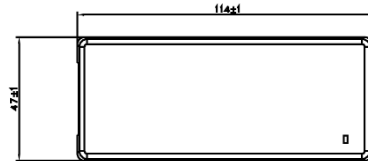


ENCLOSURE

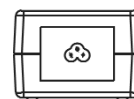
MATERIAL: 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 47 x 114 x 32.4mm +/- 1.0
AC INLET: IEC 60320 / C8 / C14 / C6



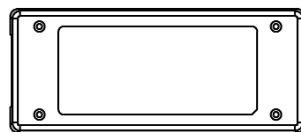
T2



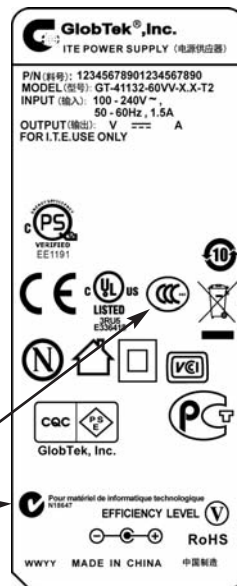
T3



T3A



CABLE TYPE:
1C+SHIELD, UL 1185
CABLE LENGTH:
1530mm + 150 - 0
WIRE GAUGE (AWG): 18 AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR
OVERMOLD COLOR:
COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION:
N/A
FERRITE # OF TURNS: N/A
FERRITE DIMENSION FROM
STRAIN RELIEF: N/A
FERRITE DIMENSION
FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION:
STRAIGHT
PLUG DIMENSIONS:
5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL
SPRING CLIP: NO
BARREL PLUG LOCKING
NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS:
N/A



PENDING

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-21126 SERIES-60W



0-60 Watts, Desktop, Universal Input, Single Output Family, ITE Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
<1.6A RMS AT 90VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
60 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% OF OUTPUT VOLTAGE , PEAK TO PEAK, TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 5 % MEASURED AT THE OUTPUT CONNECTOR

LINE REGULATION:
± 1% TYPICAL MEASURED AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC TYPICAL

HOLD-UP TIME:
10mS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
20A TYPICAL AT 115Vac INPUT AND 30A TYPICAL AT 230Vac INPUT

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED TO LESS THAN 130%, CROWBAR METHOD

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTO-RECOVERY (110 - 130% OF RATED LOAD) / HICCUP MODE OUTPUT WILL AUTORECOVER UPON REMOVAL OF SHORT

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:

UL 60950 (3rd ED.), CUL TO 22.2 NO. 60950 (3rd ED.), TUV TO EN60950-1:2001, PSE J60950

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) PRIMARY TO GROUND

LEAKAGE CURRENT:

<500uA at 264Vac INPUT VOLTAGE

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 , CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3 AND EN50082-1 INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4.

MTBF:

GREATER THAN 200,000 HOURS AT 25° C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0° C TO 40° C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

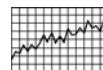
-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. ITE MODEL
2. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
3. *SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 24V IN 0.1V INCREMENTS.
4. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
5. SEE APPENDIX "F" FOR ELECTRICAL PERFORMANCE CURVES.



SEE APPENDIX "F" FOR ELECTRICAL PERFORMANCE CURVES

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE* (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21126-6012	+12.0	0 - 5.0	0 - 60
GT-21126-6024-11	+13.0	0 - 4.6	0 - 60
GT-21126-6024-10.2	+13.8	0 - 4.3	0 - 60
GT-21126-6024-10.0	+14.0	0 - 4.2	0 - 60
GT-21126-6024-9.0.	+15.0	0 - 4.0	0 - 60
GT-21126-6024-8.0	+16.0	0 - 3.75	0 - 60
GT-21126-6024-6.0	+18.0	0 - 3.3	0 - 60
GT-21126-6024-5.0	+19.0	0 - 3.16	0 - 60
GT-21126-6024-4.0	+20.0	0 - 3.0	0 - 60
GT-21126-6024-2.0	+22.0	0 - 2.7	0 - 60
GT-21126-6024	+24.0	0 - 2.5	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-60 Watts, Desktop, Universal Input, Single Output Family, ITE Class I

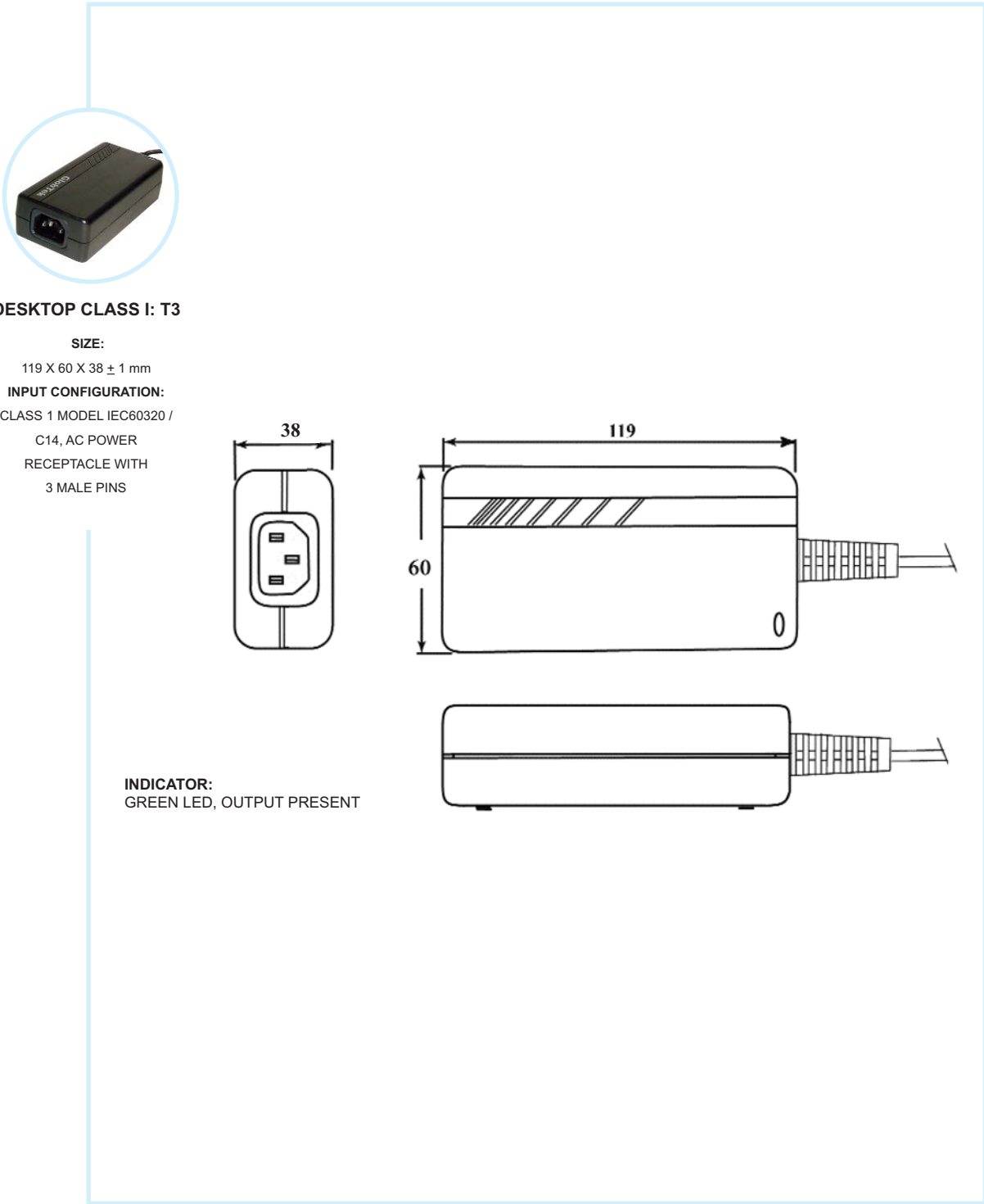
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-60 Watts, Switchmode Power Supply, Single Output,
Family Desktop, Universal Input, ITE, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

90 VAC TO 264 VAC

INPUT CURRENT:

< 1.2 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

60 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

+ 0.5 % MAX AT FULL LOAD

TURN ON / TURN OFF OVERTHOOT:

4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

20 A MAX AT COLD START AT 115VAC; 40 A AT 230VAC

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

ITE MODEL: UL60950 (3rd ED.), CUL TO 22.2# 60950 (3rd ED.),
TUV GS TO EN60950-1:2001, PSE TO J60950 CE CLASS II
CB REPORT

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC (3000VAC) FROM PRIMARY TO SECONDARY

LEAKAGE CURRENT:

≤ 0.25 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3,
EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11,
LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25° C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0° C TO 40° C

STORAGE TEMPERATURE:

-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 5V UP TO 24V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

**OUTPUT VOLTAGE / CURRENT:
CLASS II MODELS, DOUBLE INSULATED,T2**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-22011-6024-12	+12.0	0 - 5.0	0 - 60
GT-22011-6024-11	+13.0	0 - 4.6	0 - 60
GT-22011-6024-10.2	+13.8	0 - 4.3	0 - 60
GT-22011-6024-10.0	+14.0	0 - 4.2	0 - 60
GT-22011-6024-9.0.	+15.0	0 - 4.0	0 - 60
GT-22011-6024-8.0	+16.0	0 - 3.75	0 - 60
GT-22011-6024-6.0	+18.0	0 - 3.3	0 - 60
GT-22011-6024-5.0	+19.0	0 - 3.16	0 - 60
GT-22011-6024-4.0	+20.0	0 - 3.0	0 - 60
GT-22011-6024-2.0	+22.0	0 - 2.7	0 - 60
GT-22011-6024	+24.0	0 - 2.5	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-60 Watts, Switchmode Power Supply, Single Output, Family Desktop, Universal Input, ITE, Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



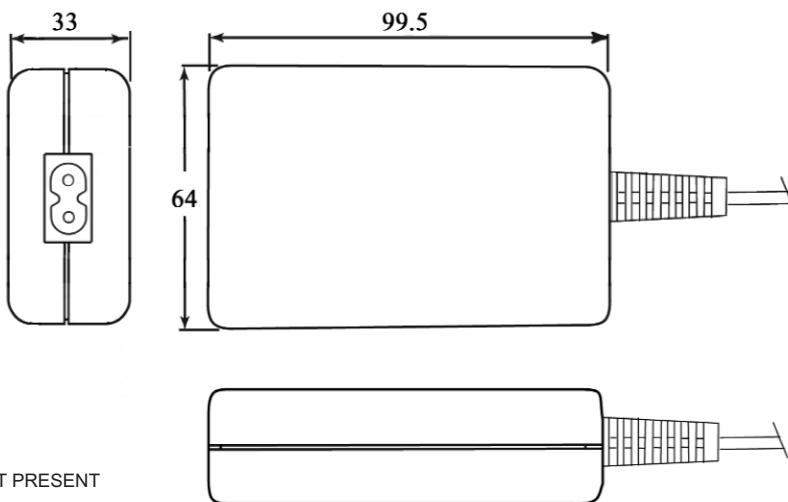
DESKTOP CLASS II: T2

SIZE:

99.5 x 64 x 33 ± 1 mm

INPUT CONFIGURATION:

CLASS II MODEL IEC60320 / C8, AC POWER RECEPTACLE, SHAVER PLUG STYLE WITH 2 MALE PINS



INDICATOR:
GREEN LED, OUTPUT PRESENT



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-41132-60VV-X.X-T2, T3, T3A



**60 Watt, Switching Power Supply, Single Output,
Desktop, Universal Input, ITE Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
1.5 A RMS MAX

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT
VOLTAGE REGULATION

RATED OUTPUT POWER:
60 WATTS, MAXIMUM

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT
20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN
PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR
CONNECTED AT THE END OF OUTPUT CONNECTOR AT
NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT
230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF
FAULT

LIMITED POWER SOURCE
OPTIONAL MARKING WITH LPS FOR 19V, 24V, 48V.

INPUT:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 1st EDITION, NEMKO TO
60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003,
GOST-R, CE CLASS II, C-TICK TO 55022, PSE TO J60950, CB
REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS
B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-
2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2,
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N
EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE
RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO
SECTION 301 OF THE ENERGY INDEPENDENCE AND
SECURITY ACT (EISA). CECP TIER 2 (CHINA), MEPS TIER 2
(AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO -80°C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.
*OUTPUT VOLTAGE AVAILABLE IN 0.1V INCREMENTS.

**OUTPUT VOLTAGE / CURRENT:
60 WATTS MODELS**

MODEL NUMBER	* OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41132-6013-1.0-T2	+12.0	0 - 5.00	0 - 60
GT-41132-6026-7.0-T2	+19.0	0 - 3.42	0 - 60
GT-41132-6026-2.0-T2	+24.0	0 - 2.70	0 - 60
GT-41132-6048-T2	+48.0	0 - 1.25	0 - 60
GT-41132-6012-T3	+12.0	0 - 5.00	0 - 60
GT-41132-6024-5.0-T3	+19.0	0 - 3.42	0 - 60
GT-41132-6024-T3	+24.0	0 - 2.70	0 - 60
GT-41132-6012-T3A	+12.0	0 - 5.00	0 - 60
GT-41132-6024-5.0-T3A	+19.0	0 - 3.42	0 - 60
GT-41132-6024-T3A	+24.0	0 - 2.70	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



60 Watt, Switching Power Supply, Single Output, Desktop, Universal Input, ITE Class I & II, Level V

Part Number Ordering System (See Page 456) Output Plug/Cord Options (See Page 425)



ENCLOSURE

CONFIGURATION:

MATERIAL: 94V-0 POLYCARBONATE, COLOR COOL GRAY PANTONE # 11C
DIMENSIONS: T2, 50 x 116 x 31mm, T3, 47 x 112 x 31mm, T3A, 47 x 112 x 33mm
AC INLET: T2, IEC 60320 / C8, T3, IEC 60320 / C14, T3A, IEC 60320 / C6

Technical drawing area containing: 1) A circular callout of the power supply with associated specifications (Output cord and connector, cable type, length, gauge, dimensions, ferrite, strain relief, etc.). 2) Line drawings of the power supply from top, side, and front views for models T2, T3, and T3A. 3) Detailed technical labels for T2, T3, and T3A models, including part numbers, input/output ratings, and various certification logos (UL, CE, FCC, PS, CCC, PSE, PCV, RoHS 2). 4) A detailed drawing of the output connector with a note: 'NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.'



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-561 SERIES-60W



50-60 Watts, Single, Dual, Triple Output Switchmode Power Supply Desktop, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
≤ 1.3 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
50-60 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 1.5-3 % FOR MAIN OUTPUT, ± 3.0-5.0% FOR SECOND AND
LINE REGULATION:
± 1.0-2.0% FOR THIRD OUTPUT

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500 uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
15 mSEC MIN AT 115 VAC, 75 mS AT 230 VAC

INRUSH CURRENT:
20 A MAX AT COLD START @ 230 VAC

EFFICIENCY:
75 -80% TYPICAL

SWITCHING FREQUENCY:
44 KHZ TYPICAL

ADJUSTABILITY:
FACTORY SET

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE FOR
MAIN OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
1.1 - 1.3 IO HICCUP WITH AUTO RECOVERY

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:
UL 60950 / 1950, CUL TO 22.2 # 234, 950, TUV TO EN 60950,
CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:
1500VAC PRIMARY-SECONDARY; 1500 VAC
PRIMARY- GROUND

LEAKAGE CURRENT:
3.5 mA MAX

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2, EN61000-3-3 AND
EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4,
EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4, UNIT IS
ELIGIBLE FOR CE MARK.

MTBF:
SHALL BE 200,000 HOURS OR GREATER AT 25° C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:
0° C TO 40° C

STORAGE TEMPERATURE:
-20° C TO 85° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

WEIGHT:
531 g

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:
NOTE: P/N "XXX" IS DC CONNECTOR DESIGNATION

PART NUMBER	MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
TR9CQ9000XXX-R	GT-561-19	+ 3.3 ± 1.5-3%	9.0	50-60
TR9CAA7000XXX-R	GT-561-20	+ 5 ± 1.5-3%	7.0	50-60
	DUAL	-5 ± 3-5%	0.75	
TR9CM5000XXX-R	GT-561-21	+ 5 ± 1.5-3%	5.0	50-60
	DUAL	+12 ± 3-5%	2.0	
TR9CM7500XXX-R	GT-561-21A	+ 5 ± 1.5-3%	7.5	50-60
	DUAL	+12 ± 3-5%	0.5	
TR9CAG5000XXX-R	GT-561-22	+ 5 ± 1.5-3%	5.0	50-60
	DUAL	+15 ± 3-5%	1.6	
TR9CAI2000XXX-R	GT-561-23	+ 5 ± 1.5-3%	5.0	50-60
	DUAL	+24 ± 3-5%	1.0	
TR9CGK2000XXX-R	GT-561-25	+ 15 ± 1.5-3%	2.0	50-60
	DUAL	+ 8 ± 3-5%	1.7	
TR9CV5000XXX-R	GT-561-30	+ 5 ± 1.5-3%	5.0	50-60
	TRIPLE	+12 ± 3-5%	1.5	
		- 12 ± 1-2%	0.5	

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



50-60 Watts, Single, Dual, Triple Output Switchmode Power Supply Desktop, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



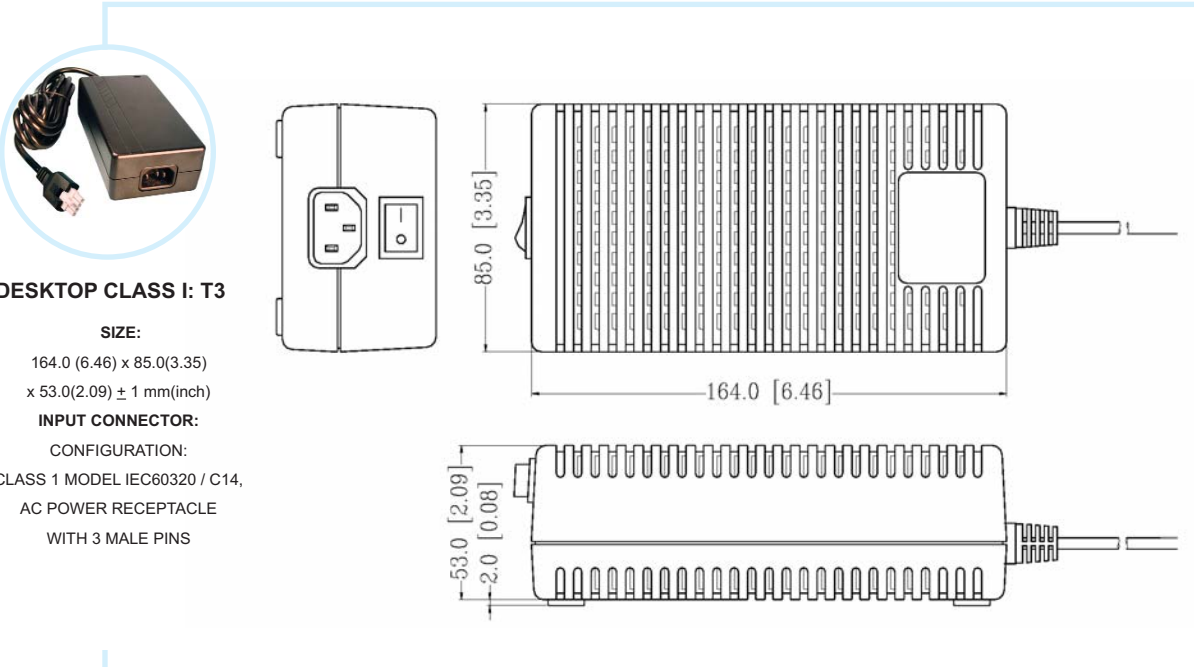
FOR INDOOR USE ONLY

PART NUMBER	MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
TR9CAAEE5000XXX-R	GT-561-31	+ 5 ± 1.5-3%	5.0	50-60
	TRIPLE	+ 12 ± 3-5%	1.5	50-60
		- 5 ± 1-2%	0.8	
TR9CAEI5000XXX-R	GT-561-32	+ 5 ± 1.5-3%	5.0	50-60
	TRIPLE	+ 24 ± 3-5%	0.75	
		- 12 ± 1-2%	0.5	50-60
TR9CAAG5000XXX-R	GT-561-33	+ 5 ± 1.5-3%	5.0	
	TRIPLE	+ 15 ± 3-5%	1.5	50-60
		- 5 ± 1-2%	0.5	
TR9CAG5000XXX-R	GT-561-34	+ 5 ± 1.5-3%	5.0	50-60
	TRIPLE	+ 15 ± 3-5%	1.5	
		- 15 ± 1-2%	0.2	



ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, COLOR BLACK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-81081-YYZZ-X.X



**Switching Power Supply, 60 Watt, Single Output,
Family Desktop, Universal Input, ITE Class I & II, Energy Star**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

90 VAC TO 264 VAC

INPUT CURRENT:

<1.5 A RMS AT 115 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

60 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):

+5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

+2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

2 SEC MAX

HOLD-UP TIME:

16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:

84 % MINIMUM

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS (PENDING):

ITE MODEL: UL60950-1, CUL TO 22.2# 60950-1, INNOVA GS EN60950-1, CE CLASS I & II, PSE TO J60950, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2003, C-TICK TO AS/NZ 60950-1

DIELECTRIC WITHSTAND VOLTAGE:

2121VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY-GROUND

LEAKAGE CURRENT:

≤3.5 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 , CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

C-TICK:

TESTED TO COMPLY W/RADIO TELECOMMUNICATION ACT OF 1992.

EFFICIENCY:

COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE, OPERATING

TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-20°C TO 60° C

HUMIDITY:

5% TO 95% RELATIVE HUMIDITY

WEIGHT:

250 g

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATION RANGE., AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 24V IN 0.1V INCREMENTS.
4. B.B: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING B.B VOLTS FROM STANDARD OUTPUT VOLTAGE.
5. CDE: T3 FOR IEC 60320/C14 INLET, T3A FOR IEC 60320/C6 INLET.

OUTPUT VOLTAGE / CURRENT:

60 WATTS MODELS

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81081-6012	+12.0	0 - 5.00	0 - 60
GT-81081-6015-B.B-CDE	+15.0	0 - 4.00	0 - 60
GT-81081-6018-B.B-CDE	+18.0	0 - 3.30	0 - 60
GT-81081-6019-B.B-CDE	+19.0	0 - 3.16	0 - 60
GT-81081-6020-B.B-CDE	+20.0	0 - 3.00	0 - 60
GT-81081-6022-B.B-CDE	+22.0	0 - 2.70	0 - 60
GT-81081-6024-B.B-CDE	+24.0	0 - 2.50	0 - 60

OUTPUT VOLTAGES AVAILABLE IN 0.1V FROM 5-48 VDC.

CDE = T2 = CLASS II INPUT, IEC 60320/C8

T3 = CLASS I, IEC 60320/C14

T3A = CLASS I, IEC 60320/C6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**Switching Power Supply, 60 Watt, Single Output,
Family Desktop, Universal Input, ITE Class I & II, Energy Star**

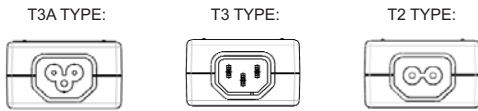
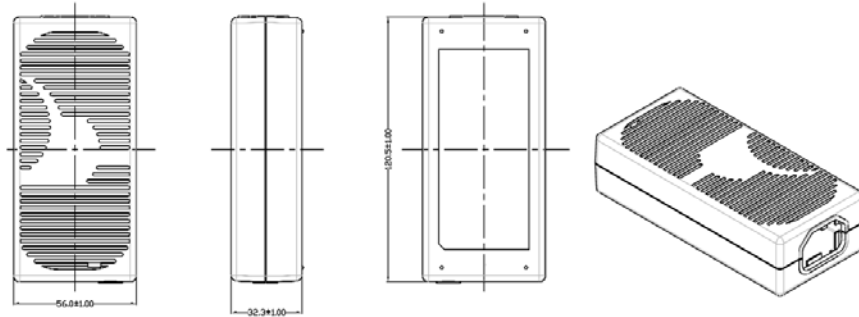
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



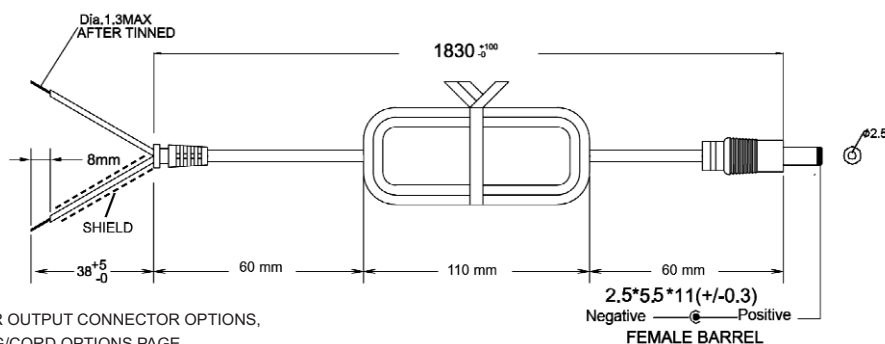
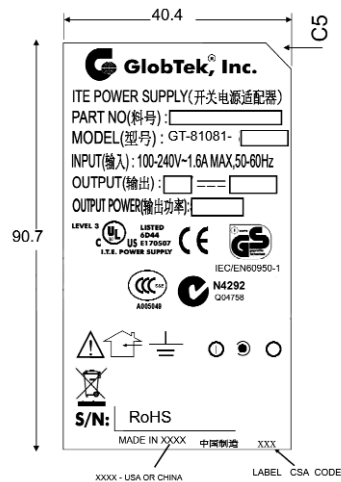
ENCLOSURE

CONFIGURATION:

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 120.5(L) x 56.0(W) x 32.3(H) + 1 mm



INDICATOR: GREEN LED,
OUTPUT PRESENT
INPUT CONNECTOR:
CONFIGURATION: CLASS 1
MODEL: T3= IEC 60320 / C14,
T3A= IEC 60320 / C6, AC
POWER RECEPTACLE WITH
3 MALE PRONGS
OUTPUT CORD:
1 CONDUCTOR+SHIELD,
18 AWG STRANDED WIRE,
ROUND UL 1185 RATED SPT-1
CORD TYPE, COLOR BLACK,
LENGTH OF CORD:
1830 +100,-0mm. CORD IS
MEASURED FROM THE
HOUSING TO THE END OF
OVERMOLD OF THE
CONNECTOR.
CABLE IS TO BE MARKED WITH
WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
CUSTOM CORDSET AVAILABLE.
OUTPUT CONNECTOR:
STANDARD, STRAIGHT FEMALE
BARREL IS
5.5 x 2.5 x 11 mm WITH
CENTER POSITIVE



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.





ISO 9001:2008
REGISTERED



**60 Watt, Switching Power Supply, Single Output,
Desktop, Universal Input, ITE Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

90 VAC TO 264 VAC

INPUT CURRENT:

< 1.5 A RMS AT 115 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT VOLTAGE:

SEE TABLE BELOW

OUTPUT CURRENT:

SEE TABLE BELOW, NO MINIMUM LOAD REQUIRED TO
MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):

60 WATTS MAXIMUM

OUTPUT RIPPLE (PEAK TO PEAK):

+/-1% OR 50 mV WHICHEVER IS GREATER OF NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH
0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELEC-
TROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUT-
PUT CONNECTOR.

OUTPUT LOAD REGULATION:

± 5% OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P
CONNECTOR

LINE REGULATION:

± 2% MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

5% MAX 500µS RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

2 SEC MAX

HOLD-UP TIME:

8 mSEC MIN AT 120 VAC, INPUT AND FULL LOAD

INRUSH CURRENT:

40 A MAX AT COLD START AT 120VAC AND 60A AT 230VAC

EFFICIENCY:

84% TYPICAL AT FULL LOAD

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF
FAULT

OVER-CURRENT / SHORT CIRCUIT:

PROTECTED, UNIT WILL AUTORECOVER UPON REMOVAL OF
FAULT

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS :

UL60950-1, CUL TO 22.2# 60950-1, DEMKO TO EN 60950-1, CE,
CLASS I, C-TICK TO AS/NZ 60950-1, CCC TO GB4943-
2001,GB9254-1998, GB17625.1-2003, PSE TO J60950, CB RE-
PORT, IRAM(ARGENTINA) TO EN60950, NRCAN

DIELECTRIC WITHSTAND VOLTAGE:

4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:

≤ 3.5 mA AT 240 VAC

EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS
B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CON-
DUCTED AND RADIATED EMI, TUV 'EMC' MARK, VCCI

C-TICK:

TESTED TO COMPLY W/RADIO TELECOMMUNICATION ACT OF
1992.

EFFICIENCY:

COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA),
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF
CONDUCT (EUROPE) TESTED TO COMPLY W/RADIO
TELECOMMUNICATION ACT OF 1992.

EFFICIENCY:

COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA),
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF
CONDUCT (EUROPE)

**OUTPUT VOLTAGE / CURRENT:
60 WATTS MODELS**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-81081-6012-T3	+12.0	0 - 5.00	0 - 60
GT-81081-6014-T3	+14.0	0 - 4.20	0 - 60
GT-81081-6015-T3	+15.0	0 - 4.00	0 - 60
GT-81081-6018-T3	+18.0	0 - 3.33	0 - 60
GT-81081-6019-T3	+19.0	0 - 3.16	0 - 60
GT-81081-6020-T3	+20.0	0 - 3.00	0 - 60
GT-81081-6022-T3	+22.0	0 - 2.70	0 - 60
GT-81081-6024-T3	+24.0	0 - 2.50	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**60 Watt, Switching Power Supply, Single Output,
Desktop, Universal Input, ITE Class I**

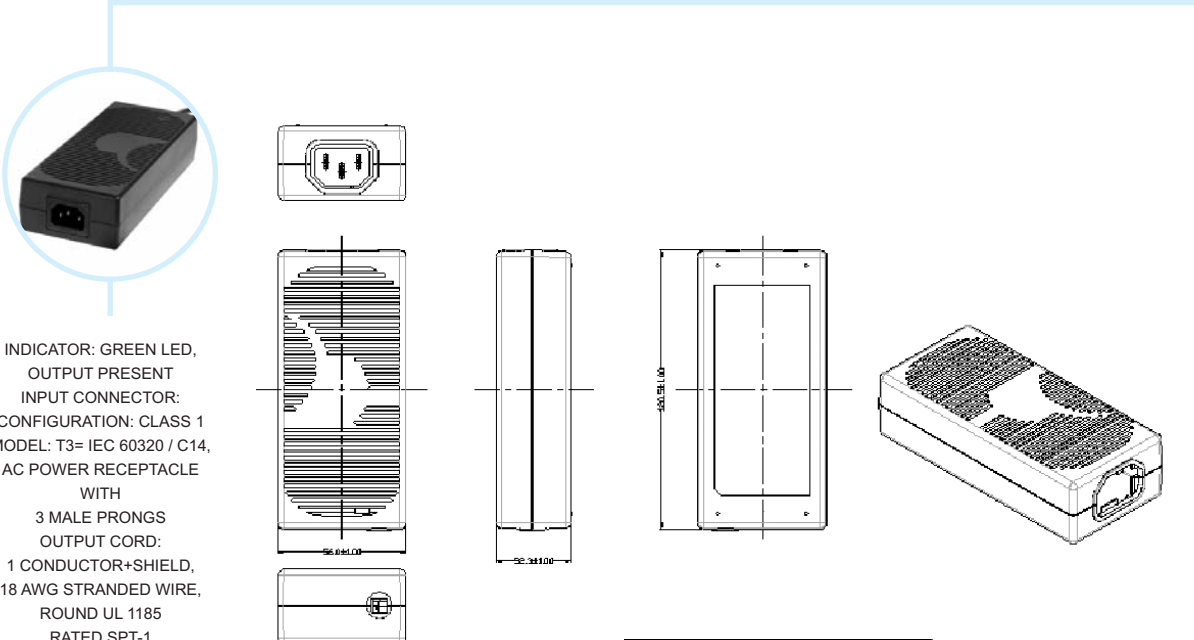
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

CONFIGURATION:

MATERIAL: 94V-0 POLYCARBONATE, COLOR BLACK
DIMENSIONS: T3, 121.6 x 56.5 x 33.2mm +/- 1.0
AC INLET: T3, IEC 60320 / C14



INDICATOR: GREEN LED,
OUTPUT PRESENT
INPUT CONNECTOR:
CONFIGURATION: CLASS 1
MODEL: T3= IEC 60320 / C14,
AC POWER RECEPTACLE
WITH
3 MALE PRONGS
OUTPUT CORD:
1 CONDUCTOR+SHIELD,
18 AWG STRANDED WIRE,
ROUND UL 1185
RATED SPT-1
CORD TYPE,
COLOR BLACK,
LENGTH OF CORD:
1830 +100,-0mm. CORD IS
MEASURED FROM THE
HOUSING TO THE END OF
OVERMOLD OF THE
CONNECTOR.
CABLE IS TO BE MARKED
WITH
WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
CUSTOM CORDSET
AVAILABLE.
OUTPUT CONNECTOR:
STANDARD, STRAIGHT
FEMALE BARREL IS
5.5 x 2.5 x 11 mm WITH
CENTER POSITIVE



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS,
SEE OUTPUT/PLUG/CORD OPTIONS PAGE.

GlobTek, Inc.

ITE POWER SUPPLY (电源适配器)

PART NO (料号): []

MODEL (型号): GT-81081-[]-T3

INPUT (输入): 100-240V~1.5A, 50/60Hz

OUTPUT (输出): + []V --- []A

OUTPUT POWER (输出功率): 60W MAX

EFFICIENCY LEVEL **IV** 115V N4292

LEVEL 3 **III** 230V

I.T.E. POWER SUPPLY SAA111102EA

UL US **30**

LISTED 6044 E170507

CE **CCC** **VCCI** **PS** **RoHS** **LPS**

EMC **RoHS** **LPS**

GlobTek, Inc. **EMC** **RoHS** **LPS**

S/N: []

RoHS000158142/08

MADE IN CHINA 中国制造 WWYY

12 VOLTS ONLY
EXCEPT 12 VOLTS





ISO 9001:2008
REGISTERED

GT-91075-6012



**Electronic Transformer, 120 VAC Input, 60W, 12VAC Output,
Wall Plug-In, ITE**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 246)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
120 VAC
INPUT CURRENT:
< 0.5 A RMS
INPUT FREQUENCY:
57 HZ TO 63 HZ, 60 Hz NOMINAL
OUTPUT VOLTAGE:
12 VAC NOMINAL
OUTPUT CURRENT:
5 A MAXIMUM, MINIMUM LOAD REQUIRED
POWER FACTOR:
0.98 TYPICAL AT 60W LOAD
OUTPUT POWER (RATED):
60 WATTS MAX
LOAD REGULATION:
+15 % MEASURED AT O/P CONNECTOR
TURN-ON DELAY:
1 SEC MAX
EFFICIENCY:
95 % TYPICAL
SWITCHING FREQUENCY:
25 KHZ TYPICAL

OVER-CURRENT / SHORT CIRCUIT:
LATCHED, AC CYCLING REQUIRED
OTHER PROTECTION:
INPUT LINE AND NEUTRAL FUSING
SAFETY APPROVALS (PENDING):
UL/cUL , UL 60601-1
DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY; 1414VDC
PRIMARY - GROUND
LEAKAGE CURRENT:
< 0.3 mA
MTBF:
> 200,000 HOURS AT 25°C AMBIENT TEMPERATURE
OPERATING TEMPERATURE:
0°C TO 40° C
STORAGE TEMPERATURE:
-40°C TO 80° C
HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

NOTE:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER(W)
GT-91075-6012	+12.0	0 - 5.0	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

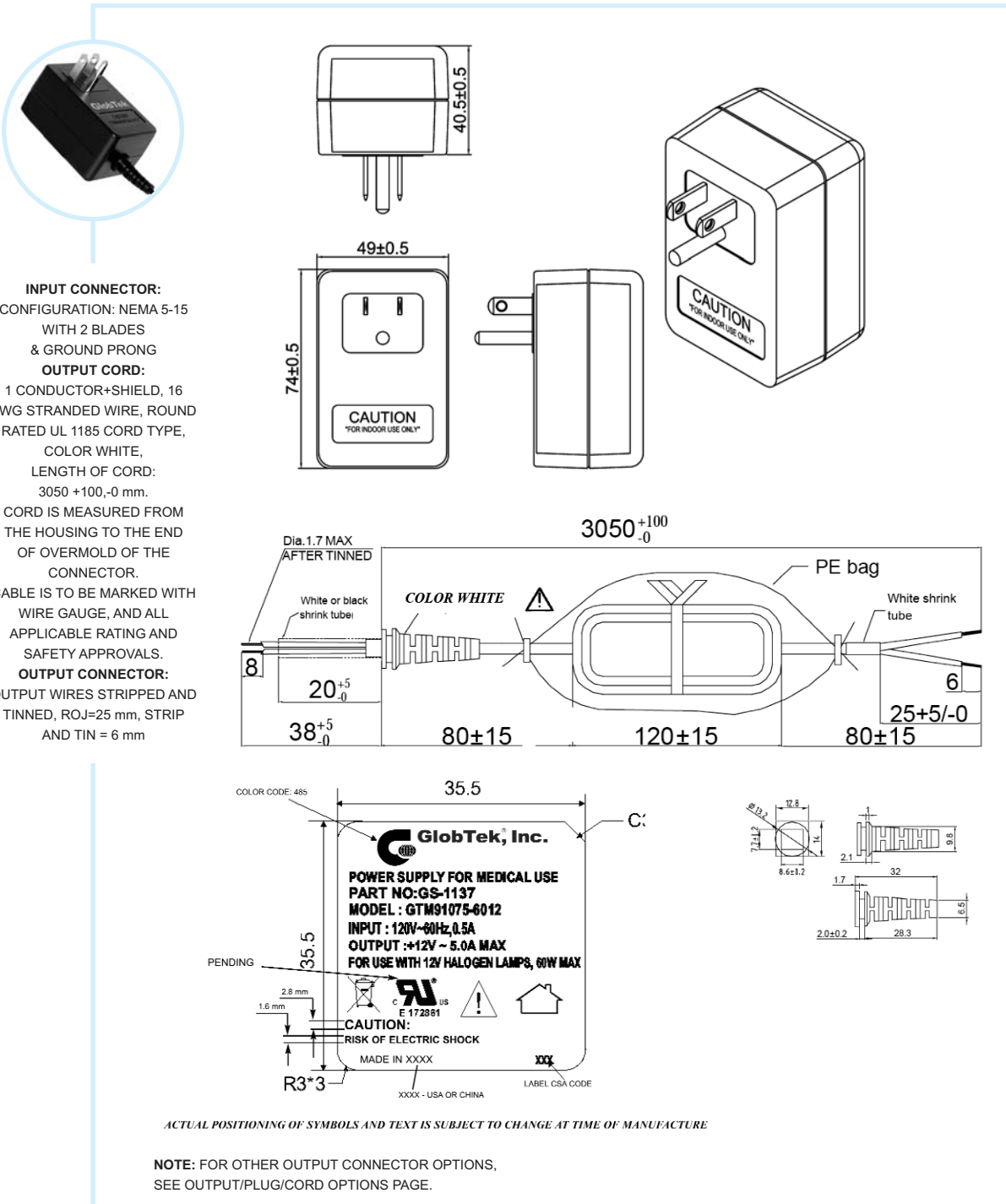


Electronic Transformer, 120 VAC Input, 60W, 12VAC Output, Wall Plug-In, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 246)

ENCLOSURE

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR WHITE
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR WHITE
SIZE: 74 x 49 x 40.5 + 1 mm



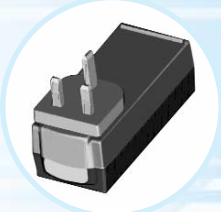
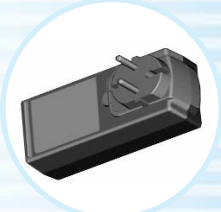


ISO 9001:2008
REGISTERED



**60 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro., UK, SAA Universal Input, Medical, Class II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90-264 VAC

INPUT CURRENT:
<1.5 A RMS MAX

INPUT FREQUENCY:
47 - 63 HZ

OUTPUT VOLTAGE:
12-48 VDC, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT CURRENT:
1.25-5 A

OUTPUT POWER (RATED):
60 WATTS MAX

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

OUTPUT REGULATION:
+ 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE

LINE REGULATION:
+2 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD

TURN-ON DELAY:
2 SEC MAX AT FULL LOAD

HOLD-UP TIME:
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
40 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC

SWITCHING FREQUENCY:
100 KHz TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, HICCUP WITH AUTO RECOVERY

OVER-LOAD:
PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:
PROTECTED, HICCUP WITH AUTO RECOVERY

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA) 80% TYPICAL AT NOMINAL LINE

NO LOAD POWER CONSUMPTION:
MEETS CEC/EISA LEVEL IV, 115 VAC

OUTPUT INDICATOR:
GREEN LED FOR OUTPUT PRESENT

OTHER PROTECTION:
INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS (PENDING):
UL60601-1, CUL TO 22.2 # 601, INNOVA(OR EQUIVALENT) GS TO EN60601-1, CE, CB REPORT, C-TICK TO AS/NZ 60950-1 EK TO K60950-1

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 0.3 mAAT 240 VAC

EMI:
COMPLIES WITH EN55011 AND EN55022 CLASS B, VCCI AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91099-6012-W2	+12.0	0 - 5.0	0 - 60
GTM91099-6015-B.B-W2	+15.0	0 - 4.0	0 - 60
GTM91099-6018-B.B-W2	+18.0	0 - 3.3	0 - 60
GTM91099-6019-B.B-W2	+19.0	0 - 3.16	0 - 60
GTM91099-6020-B.B-W2	+20.0	0 - 3.0	0 - 60
GTM91099-6022-B.B-W2	+22.0	0 - 2.7	0 - 60
GTM91099-6024-B.B-W2	+24.0	0 - 2.5	0 - 60
GTM91099-6036-B.B-W2	+36.0	0 - 1.67	0 - 60
GTM91099-6048-B.B-W2	+48.0	0 - 1.25	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



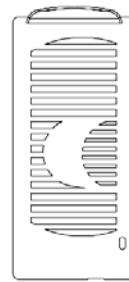
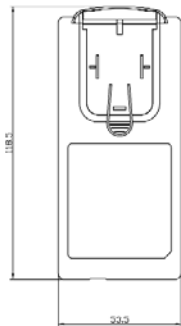
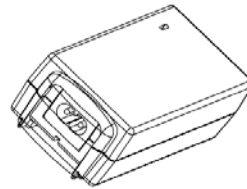
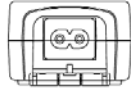
60 Watts, Wall Plug-In Switching Power Supply, N.A., Euro., UK, SAA Universal Input, Medical, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 118.5 x 53.5 x 34.2 + 1 mm

SHIPS WITHOUT AC PINS INSTALLED



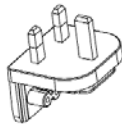
OUTPUT CORD:

1 CONDUCTOR+SHIELD,
18 AWG STRANDED WIRE,
ROUND UL# 1185,
COLOR BLACK,
LENGTH (L) OF CORD:
1830 +150, -0 MM.
CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.

CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
CABLE HAS MOLDED INLINE
FERRITE (OPTIONAL).



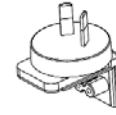
UL 2P
P/N: R-NA-2(R)
NORTH AMERICA
CHINA
JAPAN



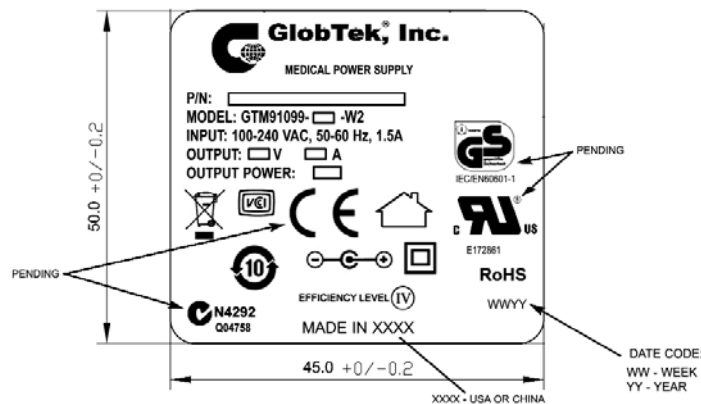
UK 2P
P/N: R-UK-2(R)
UNITED KINGDOM
HONG KONG
SINGAPORE



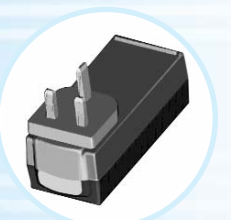
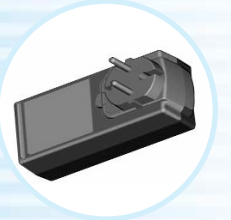
EU 2P
P/N: R-EU-2(R)
EUROPE
SOUTH AMERICA



AUS 2P
P/N: R-SAA-2(R)
AUSTRALIA



INPUT CONNECTORS OPTIONS		INPUT CONNECTOR
PINS OR KITS MUST BE ORDERED SEPARATELY		R-KIT-2(R)
1	CLASS II MODEL NEMA 1-15P AC POWER PLUG WITH 2 PRONGS, R-NA-2(R)	X
2	AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS II, R-SAA-2(R)	X
3	UK CONFIGURATION: UK 2 PINS CLASS II, R-UK-2(R)	X
4	EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS II, R-EU-2(R)	X





ISO 9001:2008
REGISTERED

GT-B1057



**Switching Power Supply, 60 Watts, Single Output,
Universal Input, ITE**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 242)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 2.0 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
60 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
8.3 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

OUTPUT RISE TIME:
< 35 mS

TURN ON TIME:
< 3 S @ 115 V

INRUSH CURRENT:
40 A MAX AT COLD START FOR N.A. (50A FOR EURO)

EFFICIENCY:
80% @115 V

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

NO LOAD POWER CONSUMPTION:
< 1.0 W @ 115/230V, NO LOAD, 25°C

SAFETY APPROVALS (PENDING):
ITE MODEL: UL60601-1, CUL TO 22.2# 601, DEMKO
TO EN60601, CE CLASS I, PSE TO J60950

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY; 2121 VDC
PRIMARY- GROUND

LEAKAGE CURRENT:
< 250 µA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011 , CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED. TESTED TO
COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1,
INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4,
EN61000-4-5,
EN61000-4-6, EN61000-4-11, LEVEL 4, EN 60601-1-2-2001.
UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

ALTITUDE:
10,000' (OPERATING), 40,000' (NON-OPERATING)

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

WEIGHT:
350 g

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATION RANGE., AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 10V UP TO 30V IN 0.1V INCREMENTS.
4. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-B1057-6010-Z	+10.0	0 - 6.0	60
GT-B1057-6012-X-X-Z	+12.0	0 - 5.0	60
GT-B1057-6015-X.X-Z	+15.0	0 - 4.0	60
GT-B1057-6018-X.X-Z	+18.0	0 - 3.3	60
GT-B1057-6019-X.X-Z	+19.0	0 - 3.16	60
GT-B1057-6020-X.X-Z	+20.0	0 - 3.0	60
GT-B1057-6022-X.X-Z	+22.0	0 - 2.7	60
GT-B1057-6024-X.X-Z	+24.0	0 - 2.5	60
GT-B1057-6030-X.X-Z	+30.0	0 - 2.0	60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



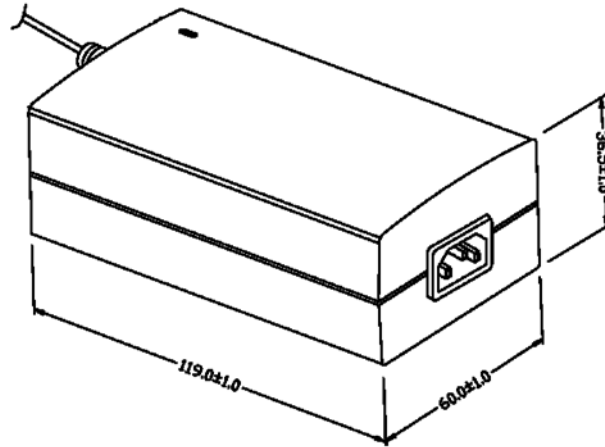
Switching Power Supply, 60 Watts, Single Output, Universal Input, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 242)



ENCLOSURE

HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 120.0 X 60.5 X 36.5 ± 1 mm



INDICATOR:

GREEN LED, OUTPUT PRESENT

INPUT CONNECTOR:

CONFIGURATION: CLASS 1
MODEL IEC320 / C14, AC POWER

RECEPTACLE WITH

3 MALE PRONGS

OUTPUT CORD:

1 CONDUCTOR+SHIELD,

18 AWG STRANDED WIRE,

ROUND # 1185 CORD TYPE,

COLOR BLACK,

LENGTH OF CORD:

1830 +100, -0 mm. CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD

OF THE CONNECTOR.

CABLE IS TO BE MARKED WITH

WIRE GAUGE, AND ALL

APPLICABLE RATING AND

SAFETY APPROVALS.

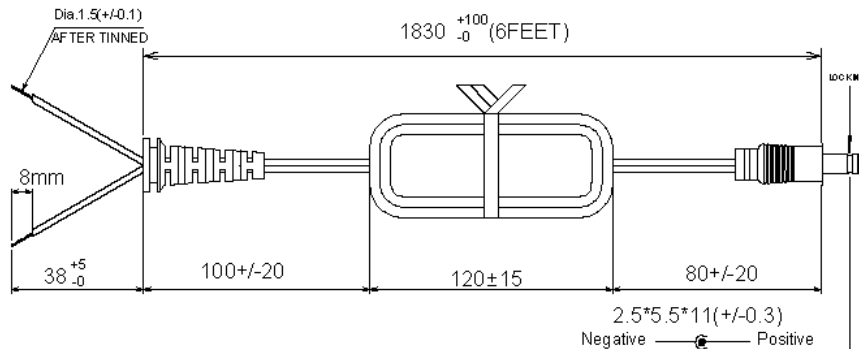
CUSTOM CORDSET AVAILABLE.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE

BARREL IS 5.5 x 2.5 x 11 mm WITH

CENTER POSITIVE



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTMB1057



**Switching Power Supply, 60 Watts, Single Output,
Universal Input, Medical**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 2.0 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
60 WATTS MAX

SWITCHING FREQUENCY OUTPUT RIPPLE (PEAK TO PEAK):
1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
+ 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
+ 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
8.3 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

OUTPUT RISE TIME:
< 35 mS

TURN ON TIME:
< 3 S @ 115 V

INRUSH CURRENT:
40 A MAX AT COLD START FOR N.A. (50A FOR EURO)

EFFICIENCY:
80% @115 V

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

NO LOAD POWER CONSUMPTION:
< 1.0 W @ 115/230V, NO LOAD, 25°C

SAFETY APPROVALS:
MEDICAL MODELS:
2 X MOOP ISOLATION (MEANS OF OPERATOR PROTECTION)
CB CERTIFICATE: IEC 60601- 1:2005 (3RD ED.)
CB REPORT: IEC 60601-1: 2005 + CORR. 1 (2006) + CORR. 2 (2007) 3RD EDITION AND/OR EN 60601-1:2006 + A11:2011.
SIQ MARK CERTIFICATE: EN 60601-1 :2006 + A11 :2011

ITE MODEL:

UL60601-1, CUL TO 22.2# 601, DEMKO TO EN60601, CE CLASS I, PSE TO J60950

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY; 2121 VDC PRIMARY- GROUND

LEAKAGE CURRENT:
< 250 µA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011 , CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED. TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4, EN 60601-1-2-2001.
UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

ALTITUDE:
10,000' (OPERATING), 40,000' (NON-OPERATING)

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

WEIGHT:
350 g

NOTES:

1. -: ITE MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATION RANGE., AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 10V UP TO 30V IN 0.1V INCREMENTS.
4. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTMB1057-6010-Z	+10.0	0 - 6.0	60
GTMB1057-6012-X-X-Z	+12.0	0 - 5.0	60
GTMB1057-6015-X.X-Z	+15.0	0 - 4.0	60
GTMB1057-6018-X.X-Z	+18.0	0 - 3.3	60
GTMB1057-6019-X.X-Z	+19.0	0 - 3.16	60
GTMB1057-6020-X.X-Z	+20.0	0 - 3.0	60
GTMB1057-6022-X.X-Z	+22.0	0 - 2.7	60
GTMB1057-6024-X.X-Z	+24.0	0 - 2.5	60
GTMB1057-6030-X.X-Z	+30.0	0 - 2.0	60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



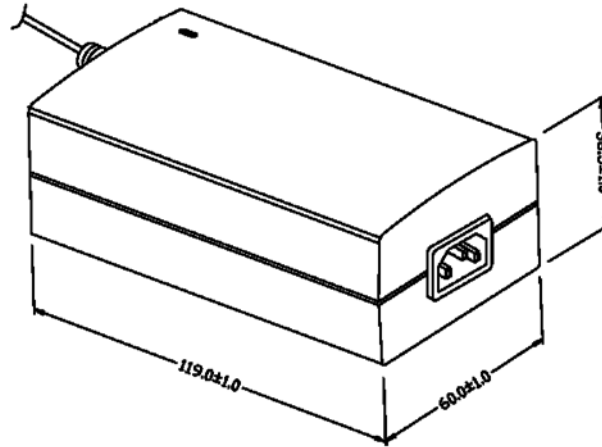
Switching Power Supply, 60 Watts, Single Output, Universal Input, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 120.0 X 60.5 X 36.5 + 1 mm



INDICATOR:

GREEN LED, OUTPUT PRESENT

INPUT CONNECTOR:

CONFIGURATION: CLASS 1
MODEL IEC320 / C14, AC POWER RECEPTACLE WITH 3 MALE PRONGS

OUTPUT CORD:

1 CONDUCTOR+SHIELD, 18 AWG STRANDED WIRE, ROUND # 1185 CORD TYPE, COLOR BLACK,

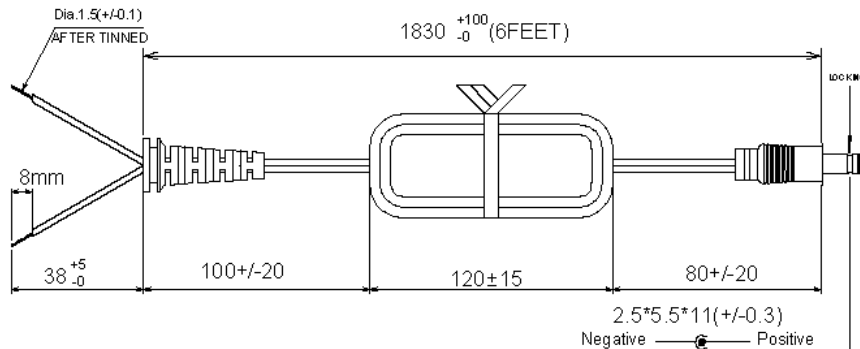
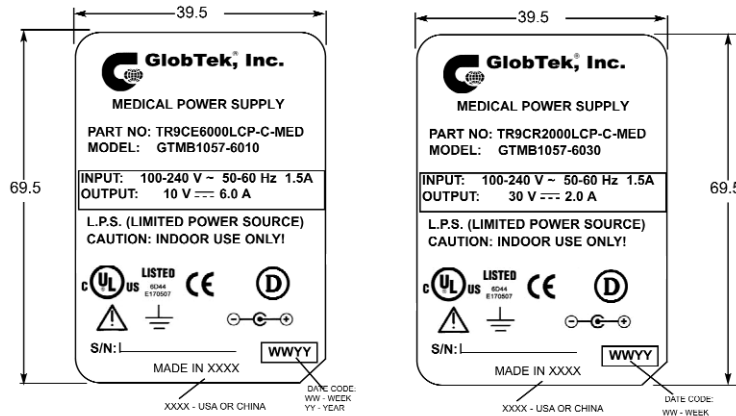
LENGTH OF CORD:

1830 +100, -0 mm. CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR.

CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR:

STANDARD, STRAIGHT FEMALE BARREL IS 5.5 x 2.5 x 11 mm WITH CENTER POSITIVE



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED



0-60 Watts, DC-DC Switchmode Power Supply, Single Output, Family, Input 11-16VDC, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
11-16VDC

INPUT CURRENT:
6.5 A (R.M.S.) MAX

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
60 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
1% TYPICAL

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERSHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

EFFICIENCY:
75 % TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
ITE MODEL: UL60950, CUL TO 22.2# 950, TUV TI EN60950, CE CLASS I & II

DIELECTRIC WITHSTAND VOLTAGE:
3000VAC PRIMARY-SECONDARY;1500 VAC PRIMARY-GROUND

LEAKAGE CURRENT:
< 0.25 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE,

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

WEIGHT:
209 g

MODEL NUMBER CODE:
GT-2: INTERNAL CODE;
D: ITE MODEL DC INPUT
1148: FAMILY ENCLOSURE DESIGNATION;
3818 TO 6019: O/P POWER/VOLTAGE

- NOTES:**
1. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATION RANGE., AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
 2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
 3. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBTRACTING X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.
 4. DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

**OUTPUT VOLTAGE / CURRENT:
CLASS II MODELS, DOUBLE INSULATED**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD21109-4515	+ 15.0	0 - 3.0	0 - 45
GTD21109-5316	+ 15.0	0 - 3.50	0 - 52.5
GTD21109-5618	+ 16.0	0 - 3.50	0 - 56
GTD21109-6016	+ 16.0	0 - 3.70	0 - 59.2
GTD21109-3818	+ 18.0	0 - 2.10	0 - 37.8
GTD21109-5418	+ 18.0	0 - 3.0	0 - 54
GTD21109-5619	+ 19.0	0 - 2.90	0 - 55.1
GTD21109-6019	+ 19.0	0 - 3.10	0 - 58.9
GTD21109-5621	+ 21.0	0 - 2.60	0 - 54.6
GTD21109-5624	+ 24.0	0 - 2.30	0 - 55.2
GTD21109-5436	+ 36.0	0 - 1.50	0 - 54
GTD21109-4848	+ 48.0	0 - 1.0	0 - 48

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-60 Watts, DC-DC Switchmode Power Supply, Single Output, Family, Input 11-16VDC, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

FOR INDOOR USE ONLY

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK



SIZE:

CLASS II MODELS:

SIZE: 103 X 50 X 32.5 + 1 mm

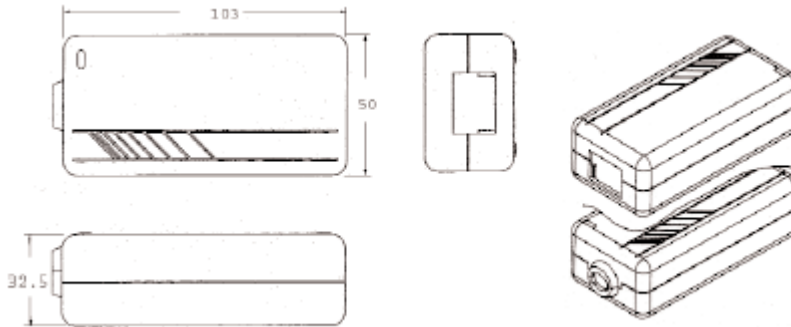
INPUT CONNECTOR:

CONDUCTOR, 18AWG (OR 20 AWG)
STRANDED WIRE, FLAT SPT-1 OR
UL2468 CORD TYPE, COLOR BLACK,
LENGTH OF THE CORD:

1830 ± 50 mm.

CORD IS MEASURED FROM THE
HOUSING TO THE END OF OVERMOLD
OF THE CONNECTOR.

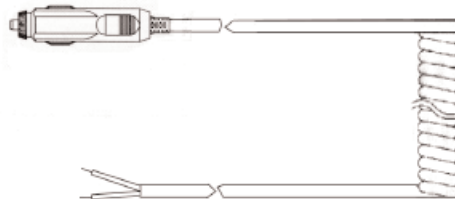
CABLE MARKED WITH WIRE GAUGE,
AND ALL APPLICABLE RATING AND
SAFETY APPROVALS.



INPUT CONNECTOR:

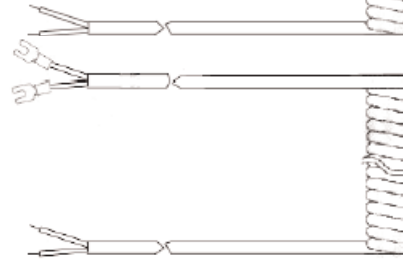
OPTION # 1:

CAR MALE CIGARETTE LIGHTER DC
POWER PLUG (+,-) TIP POSITIVE WITH
5A/125V SLO-BLO FUSE



OPTION # 2:

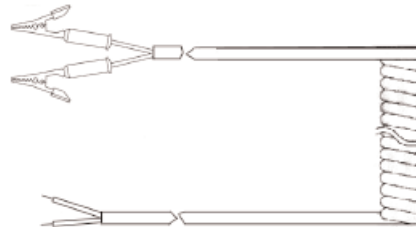
SPADE TONGUE TERMINAL 0.25" FAST
ON SOFT INSULATION TYPE



INPUT CONNECTOR:

OPTION # 3:

ALLIGATOR CLIPS



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

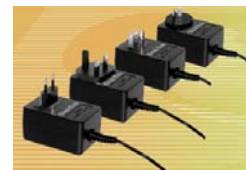


ISO 9001:2008
REGISTERED



**Electronic Transformer, 60W, Single Output, 12VAC,
Wall Plug-In, Medical, Class 2**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
220 VAC TO 240 VAC, 230 VAC NOMINAL

INPUT CURRENT:
< 0.5 A RMS

INPUT FREQUENCY:
57 HZ TO 63 HZ, 60 Hz NOMINAL

OUTPUT VOLTAGE:
12 VAC NOMINAL

OUTPUT CURRENT:
5 A MAXIMUM, MINIMUM LOAD REQUIRED

POWER FACTOR:
0.98 TYPICAL AT 60W LOAD

OUTPUT POWER (RATED):
60 WATTS MAX

LOAD REGULATION:
+ 5 % MEASURED AT O/P CONNECTOR

TURN-ON DELAY:
1 SEC MAX

EFFICIENCY:
95 % TYPICAL

SWITCHING FREQUENCY:
25 KHZ TYPICAL

OVER-CURRENT / SHORT CIRCUIT:
LATCHED, AC CYCLING REQUIRED

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS (PENDING):
CE TO EN 60601-1

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY-SECONDARY; 2121 VDC
PRIMARY - GROUND

LEAKAGE CURRENT:
< 0.5 mA

EMI:
EN 55022

MTBF:
> 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

NOTE:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

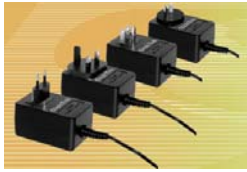
**OUTPUT VOLTAGE / CURRENT:
CLASS II WITH FUNCTIONAL EARTH ITE MODEL OUTPUT RATING**

MODEL NUMBER CLASS I MODEL OUTPUT RATING	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER(W)
GTM91075-6012	+12.0	0 - 5.0	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



Electronic Transformer, 60W, Single Output, 12VAC, Wall Plug-In, Medical, Class 2

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ENCLOSURE

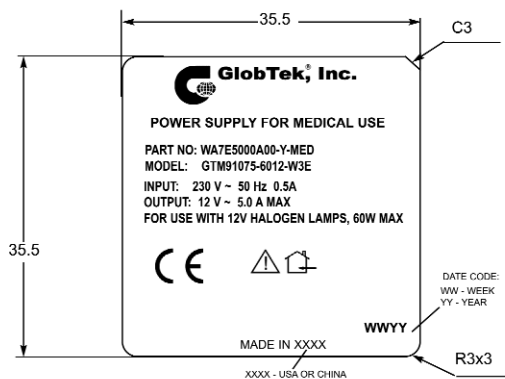
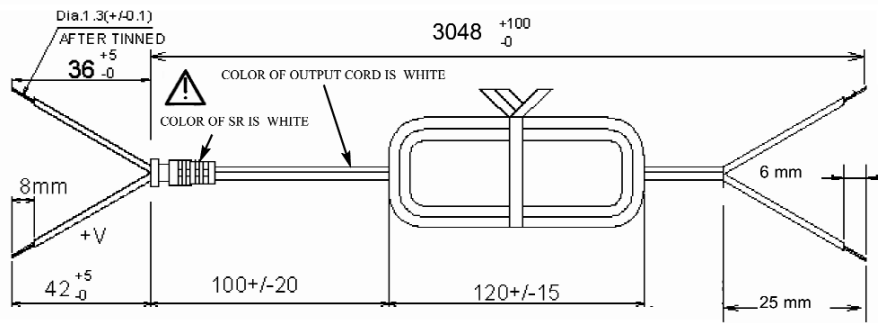
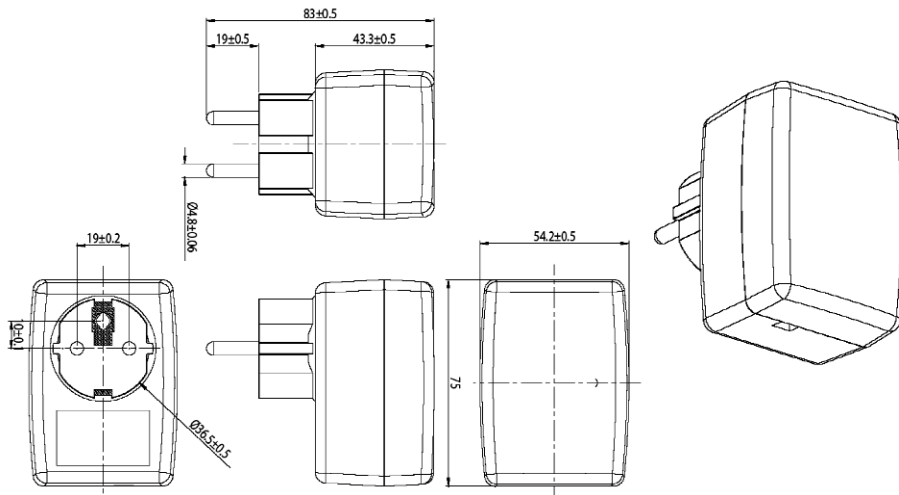
UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR WHITE
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR WHITE
SIZE: 75 x 54.2 x 43.3 + 0.5 mm



INPUT CONNECTOR:
CONFIGURATION: CEE 7/16 WITH GROUND PIN

OUTPUT CORD:
2 CONDUCTOR, 18 AWG STRANDED WIRE, FLAT VW-1 RATED UL 2468 CORD TYPE, COLOR WHITE, LENGTH (L) OF CORD: 3048 +100, -0 mm. CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR. CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.

OUTPUT CONNECTOR:
OUTPUT WIRES STRIPPED AND TINNED, ROJ=25 mm, STRIP AND TIN = 6 mm



NOTE: FOR OTHER OUTPUT CONNECTOR OPTIONS, SEE OUTPUT/PLUG/CORD OPTIONS PAGE.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**60 Watts, In-Line Switching Power Supply,
Universal Input, Medical, Class II**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
100-240VAC
- INPUT CURRENT:**
<1.5 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE TABLE BELOW
- OUTPUT CURRENT:**
SEE TABLE BELOW
- OUTPUT POWER (RATED):**
SEE TABLE BELOW
- OUTPUT LOAD REGULATION:**
+/- 5% OF NOMINAL OUTPUT VOLTAGE MEASURED AT O/P CONNECTOR AT NOMINAL LINE
- LINE VOLTAGE REGULATION:**
±2 % MAX AT FULL LOAD
- OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):**
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.
- TURN ON/ TURN OFF OVERTHOOT:**
5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD
- TURN-ON DELAY:**
2 SEC MAX AT FULL LOAD
- HOLD-UP TIME:**
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
40 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC
- SWITCHING FREQUENCY:**
100 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- OVER-LOAD:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- SHORT CIRCUIT:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- INPUT:**
INPUT LINE AND NEUTRAL FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
5656 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:
<250 uA AT 240 VAC INPUT VOLTAGE

APPROVALS

SAFETY APPROVAL:

UL60601-1 3RD ED, CUL TO 22.2 #60601-1(PENDING), NEMKO TO 60601-1,(PENDING) CCC TO GB4943-2001, GB9254-1998, GB17625.12003(PENDING), GOST-R, CE CLASS II, AS/NZ TO 60950 WITH RCM, C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT (PENDING)

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55011:1998_A1:1999/A2:2002, EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V
COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA)
CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91099-4005-T2	+5.0	0 - 6.0	0 - 30
GTM91099-6012-X.X-T2	+12.0	0 - 5.0	0 - 60
GTM91099-6019--X.X-T2	+19.0	0 - 3.42	0 - 60
GTM91099-6024-X.X-T2	+24.0	0 - 2.7	0 - 60
GTM91099-6048-X.X-T2	+48.0	0 - 1.25	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**60 Watts, Wall Plug-In Switching Power Supply,
N.A., Euro. UK, SAA Universal Input, Medical, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90-264 VAC
- INPUT CURRENT:**
<1.5 A RMS MAX
- INPUT FREQUENCY:**
47 - 63 HZ
- OUTPUT VOLTAGE:**
SEE TABLE BELOW, NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
- OUTPUT CURRENT:**
SEE TABLE BELOW
- OUTPUT POWER (RATED):**
SEE TABLE BELOW
- OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):**
+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.
- OUTPUT REGULATION:**
± 5 % OF NOMINAL OUTPUT VOLTAGE, MEASURED AT O/P CONNECTOR AT NOMINAL LINE
- LINE REGULATION:**
±2 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERTHOOT:**
5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50% STEP LOAD
- TURN-ON DELAY:**
2 SEC MAX AT FULL LOAD
- HOLD-UP TIME:**
8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD
- INRUSH CURRENT:**
40 A MAX AT COLD START 120 VAC, 60A MAX COLD START 230VAC
- SWITCHING FREQUENCY:**
100 KHz TYPICAL
- OVER-VOLTAGE PROTECTION:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- OVER-LOAD:**
PROTECTED, HICCUP WITH AUTO RECOVERY
- SHORT CIRCUIT:**
PROTECTED, HICCUP WITH AUTO RECOVERY

EFFICIENCY:

87% < AVERAGE EFFICIENCY IN ACTIVE MODE,
0.3W ≥ NO-LOAD

INTERNATIONAL EFFICIENCY COMPLIANCE:

EFFICIENCY LEVEL V REGISTERED WITH EPA ENERGY STAR® PROGRAM VERSION 2.0, COMPLIES WITH U.S. ENERGY INDEPENDENCE AND SECURITY ACT OF 2007 (EISA), CALIFORNIA ENERGY COMMISSION (CEC), EU ECO-DESIGN DIRECTIVE 2005/32/EC(EC REGULATION 278/2009), AUSTRALIA / NEW-ZEALAND MEPS (AS/NZS4665), CHINA ENERGY COUNCIL (CECP), EUROPEAN CODE OF CONDUCT FOR POWER SUPPLY EFFICIENCY

OUTPUT INDICATOR:

BLUE LED FOR OUTPUT PRESENT

OTHER PROTECTION:

INPUT LINE AND NEUTRAL FUSING

SAFETY MEDICAL APPROVALS (PENDING):

UL60601-1, CUL TO 22.2 # 601, SIQ TO EN60601-1, CE, CB REPORT AS/NZ TO 60950-1, C-TICK TO 55022, EK TO K60950-1

SAFETY ITE APPROVALS (PENDING):

UL60950-1, CUL TO 22.2 # 950, SIQ TO EN60950-1, CE, CB REPORT AS/NZ TO 60950-1, C-TICK TO 55022, EK TO K60950-1

DIELECTRIC WITHSTAND VOLTAGE:

5656 VDC PRIMARY-SECONDARY (FOR MEDICAL)
4242 VDC PRIMARY-SECONDARY (FOR ITE)

LEAKAGE CURRENT:

< 0.3 mA AT 240 VAC

EMI:

COMPLIES WITH EN55011 AND EN55022 CLASS B, VCCI AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN 60601-1-2:2001, EN61000-3-2, EN61000-3-3, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

MTBF:

200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91099-6005-T3A	+5.0	0 - 6.0	0 - 30
GTM91099-6007.5-X.X-T3A	+7.5	0 - 5.0	0 - 37
GTM91099-6009-X.X-T3A	+9.0	0 - 5.0	0 - 45
GTM91099-6012-X.X-T3A	+12.0	0 - 5.0	0 - 60
GTM91099-6015-X.X-T3A	+15.0	0 - 4.0	0 - 60
GTM91099-6018-X.X-T3A	+18.0	0 - 3.3	0 - 60
GTM91099-6019-X.X-T3A	+19.0	0 - 3.16	0 - 60
GTM91099-6020-X.X-T3A	+20.0	0 - 3.0	0 - 60
GTM91099-6022-X.X-T3A	+22.0	0 - 2.7	0 - 60
GTM91099-6024-X.X-T3A	+24.0	0 - 2.5	0 - 60
GTM91099-6036-X.X-T3A	+36.0	0 - 1.67	0 - 60
GTM91099-6048-X.X-T3A	+48.0	0 - 1.25	0 - 60

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



60 Watts, Wall Plug-In Switching Power Supply, N.A., Euro, UK, SAA Universal Input, Medical, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
SIZE: 117.53 x 53.47 x 36.6 ±1 mm

OUTPUT CORD:
1 CONDUCTOR+SHIELD,
18 AWG STRANDED WIRE,
ROUND UL# 1185,
COLOR BLACK,
LENGTH (L) OF CORD:
1830 +150, -0 MM.
CORD IS MEASURED FROM
THE HOUSING TO THE END
OF OVERMOLD OF THE
CONNECTOR.
CABLE IS TO BE MARKED
WITH WIRE GAUGE, AND ALL
APPLICABLE RATING AND
SAFETY APPROVALS.
CABLE HAS MOLDED INLINE
FERRITE (OPTIONAL).

OUTPUT CONNECTOR:
STANDARD, STRAIGHT FE-
MALE BARREL
5.5 X 2.1 X 11 MM
WITH CENTER POSITIVE

Notes:
1. Plastic Material: ABS+ Plastic.
2. Color: Black.

P/N: R-NA-3(R)
NORTH AMERICA
CHINA
JAPAN

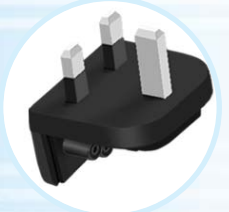
P/N: R-UK-3(R)
UNITED KINGDOM
HONG KONG
SINGAPORE

P/N: R-EU-3(R)
EUROPE
SOUTH AMERICA

P/N: R-SAA-3(R)
AUSTRALIA

45.4
28.0
GlobTek, Inc.
P/N: _____
MODEL: GTM91099-____-T3A
INPUT: 100-240 VAC, 50-60 Hz, 1.5A
OUTPUT: □ V □ A
MEDICAL POWER SUPPLY (医用电源适配器)
MODEL (型号): GTM91099-____-T3A
ITL POWER SUPPLY (台式电源适配器)
MODEL (型号): GTM91099-____-T3A
PENDING PENDING PENDING PENDING
S/N: _____
RoHS000158101/07
MADE IN XXXX 中国制造
XXXX - USA OR CHINA

INPUT CONNECTORS OPTIONS		INPUT CONNECTOR
PINS OR KITS MUST BE ORDERED SEPARATELY		R-KIT-3(R)
1	CLASS I MODEL NEMA 5-15P AC POWER PLUG WITH 2 PRONGS, R-NA-3(R)	X
2	AUSTRALIAN CONFIGURATION: SAA 2 PINS CLASS I, R-SAA-3(R)	X
3	UK CONFIGURATION: UK 2 PINS CLASS I, R-UK-3(R)	X
4	EUROPEAN CONFIGURATION: EUROPLUG 2 PINS, CLASS I, R-EU-3(R)	X





ISO 9001:2008
REGISTERED



In-Line Potted Switching Power Supply, IP67, Medical (60601-1), ITE (60950-1), and Household Use (60335-1) 60 Watts, Universal Input

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



IP67

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

100-240 VAC

INPUT CURRENT:

<1.5 A RMS MAX

INPUT FREQUENCY:

47 - 63 HZ

OUTPUT VOLTAGE:

SEE CHART BELOW

OUTPUT CURRENT:

SEE CHART BELOW, NO LOAD TO FULL LOAD,
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

60 WATTS MAX

OUTPUT LOAD REGULATION:

+/- 5% OF NOMINAL OUTPUT VOLTAGE MEASURED AT O/P
CONNECTOR AT NOMINAL LINE

LINE VOLTAGE REGULATION:

+/- 2% MAX AT FULL LOAD

OUTPUT RIPPLE VOLTAGE (PEAK TO PEAK):

+/-1% OR 150 mV WHICHEVER IS GREATER AT NOMINAL
OUTPUT VOLTAGE. MEASURED AT 20 MHZ BANDWIDTH
WITH 0.1µF CERAMIC CAPACITOR IN PARALLEL WITH 10 µF
ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF
THE OUTPUT CONNECTOR.

TURN ON/ TURN OFF OVERTHOOT:

5% MAX 500µS MAX RECOVERY TIME FOR 25% TO 50%
STEP LOAD

TURN-ON DELAY:

2 SECONDS, MAX AT FULL LOAD, NOMINAL LINE

HOLD-UP TIME:

8 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

40 A MAX AT COLD START 120 VAC, 60A MAX COLD START
230VAC

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

PROTECTED, HICCUP WITH AUTO RECOVERY

OVER-LOAD:

PROTECTED, HICCUP WITH AUTO RECOVERY

SHORT CIRCUIT:

PROTECTED, HICCUP WITH AUTO RECOVERY

INPUT:

INPUT LINE AND NEUTRAL FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:

5656 VDC PRIMARY TO SECONDARY (MED)

LEAKAGE CURRENT:

<250 µA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:

UL60601-1 3RD ED., N+ 60950-1, 2ND ED., CUL TO 22.2 #60601-1(PENDING), NEMKO TO 60601-1 AND 60950-1, 2ND ED. AND 60335-1 (PENDING) CCC TO GB4943-2001, GB9254-1998, GB17625.12003(PENDING), GOST-R, CE CLASS II, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT, UKRAINE

EMI:

COMPLIES WITH EN55011 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:

TESTED TO COMPLY WITH EN55011:1998 A1:1999/A2:2002, EN610003-2, EN610003-3 INCLUDING EN60601-1-2 10/2006, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

C-TICK:

TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992

EFFICIENCY:

ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

OTHERS:

MTBF:

723,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:

-10°C TO +80° C

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	PART NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91099-4005-PX	PR9xA6000YYCHM(RVB	+5.0	0 - 6.0	0 - 30
GTM91099-6012-6.0-PX	PR9xB5000YYCHM(RVB	+6.0	0 - 5.0	0 - 30
GTM91099-6012-4.5-PX	PR9xC4000YYCHM(RVB	+7.5	0 - 4.0	0 - 30
GTM91099-6012-3.0-PX	PR9xD3333YYCHM(RVB	+9.0	0 - 3.33	0 - 30
GTM91099-6012-PX	PR9xE5000YYCHM(RVB	+12.0	0 - 5.0	0 - 60
GTM91099-6019-4.0-PX	PR9xG4000YYCHM(RVB	+15.0	0 - 4.0	0 - 60
GTM91099-6019-1.0-PX	PR9xH3333YYCHM(RVB	+18.0	0 - 3.33	0 - 60
GTM91099-6019-PX	PR9xZ3160YYCHM(RVB	+19.0	0 - 3.16	0 - 60
GTM91099-602-4.0-PX	PR9xZ3000YYCHM(RVB	+20.0	0 - 3.0	0 - 60
GTM91099-6024-PX	PR9xI2500YYCHM(RVB	+24.0	0 - 2.5	0 - 60
GTM91099-6048-18.0-PX	PR9xR2000YYCHM(RVB	+30.0	0 - 2.0	0 - 60
GTM91099-6048-12.0-PX	PR9xY1670YYCHM(RVB	+36.0	0 - 1.67	0 - 60
GTM91099-6048-PX	PR9xX1250YYCHM(RVB	+48.0	0 - 1.25	0 - 60

Suffix Variable X:
2= Class II, 2 wires input/output
3= Class I, 3 wires input/output

Part Number Variable x:
S =Output Wires, Strip&Tin, 2 wires
U =Output Wires, Strip&Tin, 3 wires

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



In-Line Potted Switching Power Supply, IP67, Medical (60601-1), ITE (60950-1), and Household Use (60335-1) 60 Watts, Universal Input

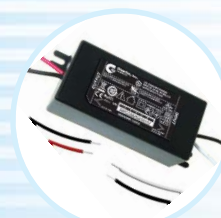
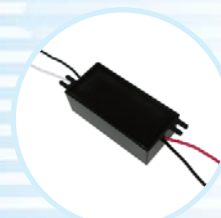
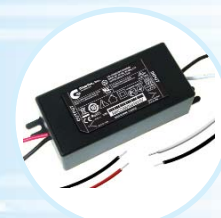
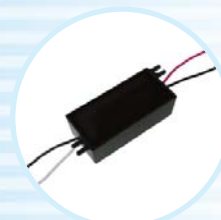
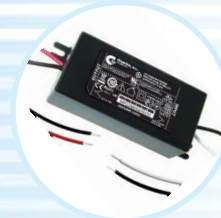
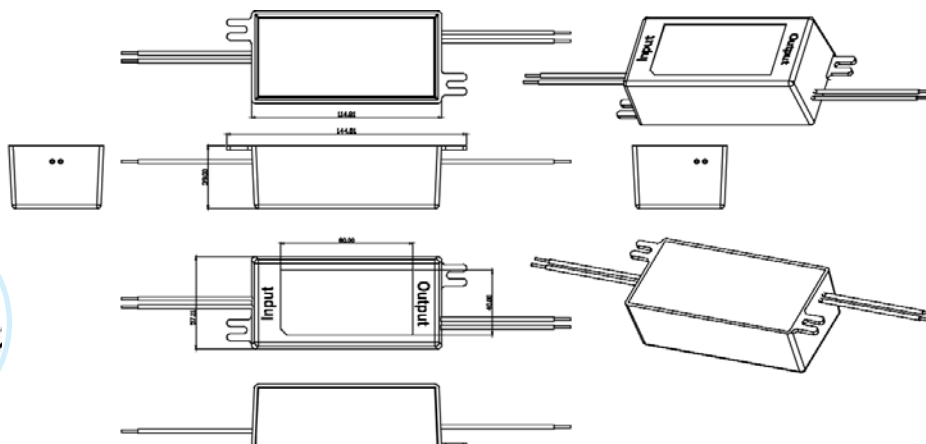
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

IP67

ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE COLOR: BLACK
DIMENSIONS: 144.28 x 56.58 x 33.0mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE

P2



INPUT CORD:
CABLE TYPE:
2C ROUND UL 1015 SOLID
CABLE COLOR:
BLACK/WHITE
CABLE LENGTH:
305mm +5 mm
WIRE GAUGE (AWG):
18AWG
STRIP LENGTH:
7 mm + 1mm
TIN LENGTH:
N/A
ADDITIONAL
REQUIREMENTS:
N/A

OUTPUT CORD:
CABLE TYPE:
2C ROUND UL 1015 SOLID
CABLE COLOR:
RED/BLACK
CABLE LENGTH:
305mm +5 mm
WIRE GAUGE (AWG):
18AWG
STRIP LENGTH:
7 mm + 1mm
TIN LENGTH:
N/A
ADDITIONAL
REQUIREMENTS:
N/A

		P/N: 123456789012345678IM	
www.globtek.com		INPUT: 100240 VAC, 50-60Hz, 1.5A	
		OUTPUT: XXVDC --- X.XA	
MEDICAL POWER SUPPLY (医用电源适配器)		ITE POWER SUPPLY (台式电源适配器)	
MODEL (型号): GTM91099-60VV-X.X-P2		MODEL (型号): GT-91099-60VV-X.X-P2	
341350		341351 48U8	
OUTPUT			INPUT
RED(+) S/N:	RoHS000158101/07	BLACK-COM	WHITE: NEUTRAL BLACK: LINE
MADE IN CHINA 中国制造			

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM91099-60VV-X.X-P2, P3



In-Line Potted Switching Power Supply, IP67, Medical (60601-1), ITE (60950-1), and Household Use (60335-1) 60 Watts, Universal Input

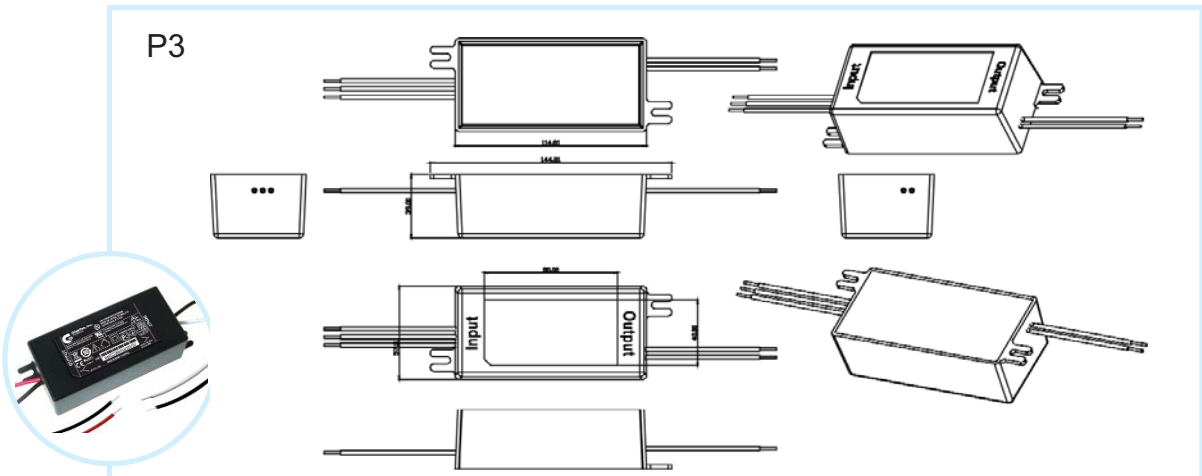
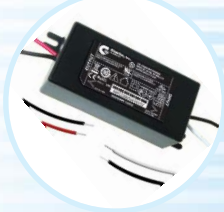
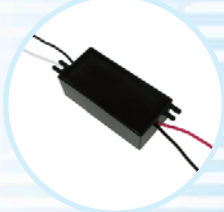
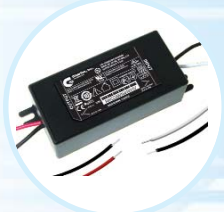
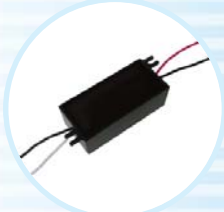
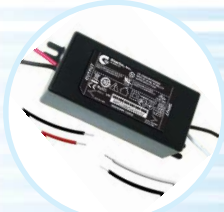
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



IP67

ENCLOSURE

MATERIAL: 94V-0 POLYCARBONATE COLOR: BLACK
DIMENSIONS: 144.28 x 56.58 x 33.0mm +/- 1.0
SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE



INPUT CORD:
CABLE TYPE:
3C ROUND UL 1015 SOLID
CABLE COLOR:
BLACK/WHITE/GREEN YELLOW
CABLE LENGTH:
305mm +5 mm
WIRE GAUGE (AWG):
18AWG
STRIP LENGTH:
7 mm + 1mm
TIN LENGTH:
N/A
ADDITIONAL
REQUIREMENTS:
N/A
OUTPUT CORD:
CABLE TYPE:
2C ROUND UL 1015 SOLID
CABLE COLOR:
RED/BLACK
CABLE LENGTH:
305mm +5 mm
WIRE GAUGE (AWG):
18AWG
STRIP LENGTH:
7 mm + 1mm
TIN LENGTH:
N/A
ADDITIONAL
REQUIREMENTS:
N/A

GlobTek, Inc. www.globtek.com		P/N: 123456789012345678IM INPUT: 100240 VAC, 50-60Hz, 1.5A OUTPUT: XXVDC --- X.XA	
MEDICAL POWER SUPPLY (医用电源适配器) MODEL (型号): GTM91099-60VV-X.X-P3		ITE POWER SUPPLY (伊太式电源适配器) MODEL (型号): GT-91099-60VV-X.X-P3	
RoHS RED(+) S/N: RoHS000158101/07 BLACK=COM	UL 341350	UL 341351 4MU8	OUTPUT
CE		RoHS	
RoHS		UL	
		UL	
MADE IN CHINA 中国制造		WHITE: NEUTRAL BLACK: LINE GREEN: GROUND	

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 259)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
1.5A@65W MAXIMUM AT 100VAC FULL LOAD

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
65 WATTS MAX FREE AIR CONVECTION

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF OUTPUT VOLTAGE

OUTPUT LOAD REGULATION:
+/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU

LINE REGULATION:
+ / - 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% TO 50% STEP LOAD

TURN-ON DELAY:
3 SEC TYPICAL

HOLD-UP TIME:
12mS MINIMUM AT 65W AT 120VAC INPUT

INRUSH CURRENT:
20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC

EFFICIENCY:
80% TYPICAL AT NOMINAL INPUT AND FULL LOAD⁴

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD



DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) SECONDARY TO GROUND

LEAKAGE CURRENT:
LESS THAN 300uA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 2

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

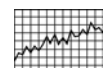
MTBF (BELCORE METHOD I, CASE 1):
1.1 MILLION HRS, 40C , GROUND BENIGN

OPERATING TEMPERATURE:
-20°C TO 50°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
OPERATING, NON-CONDENSING; 5% TO 90% RH

- NOTES:**
1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
 3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
 4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



SEE APPENDIX "G" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS:**
1. PASSIVE PFC VERSION
 2. CLASS II VERSION
 3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
 4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
 5. L-BRACKET WITH PERFORATED COVER
 6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT / POWER:

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	65W OUTPUT CURRENT (A) FREE AIR CONVECTION	RATED OUTPUT POWER (W)
SINGLE OUTPUT SECTION				
GT-2065(P)333.3-X.X	F(W) OR EXXX(W) OR HXXX(W)	+3.3	10.0	33
GT-2065(P)4005-X.X	F(W) OR EXXX(W) OR HXXX(W)	+5.0	8.00	40
GT-2065(P)657.5-X.X	F(W) OR EXXX(W) OR HXXX(W)	+7.5	8.67	65
GT-2065(P)6509-X.X	F(W) OR EXXX(W) OR HXXX(W)	+9.0	7.22	65
GT-2065(P)6512-X.X	F(W) OR EXXX(W) OR HXXX(W)	+12.0	5.42	65
GT-2065(P)6515-X.X	F(W) OR EXXX(W) OR HXXX(W)	+15.0	4.33	65
GT-2065(P)6518-X.X	F(W) OR EXXX(W) OR HXXX(W)	+18.0	3.61	65
GT-2065(P)6524-X.X	F(W) OR EXXX(W) OR HXXX(W)	+24.0	2.71	65
GT-2065(P)6536-X.X	F(W) OR EXXX(W) OR HXXX(W)	+36.0	1.80	65
GT-2065(P)6548-X.X	F(W) OR EXXX(W) OR HXXX(W)	+48.0	1.36	65

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 259)



MODEL NUMBER DESCRIPTION

GT(M)2065(P)553.3-X.X TO 8048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE, REPLACE "M" WITH "-" (DASH) FOR I.T.E. GRADE

2065: FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; REPLACE "P" WITH "-" FOR NON-PFC VERSION
553.3 TO 8048: 55W 3.3V TO 80W 48V OUTPUT POWER OUTPUT VOLTAGE

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

F(W) OR F(W)A

F: OPEN FRAME VERSION

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

E)XXX(W) OR (E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE OR BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM BASE PLATE SIZE IS 50" X 30")

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

HXXX(W) OR HXXX(W)A

H: INPUT AND/OR OUTPUT WIRE HARNESS OPTION

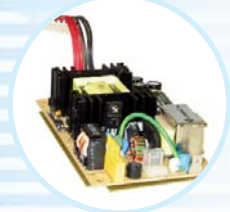
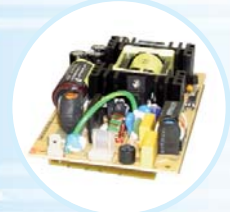
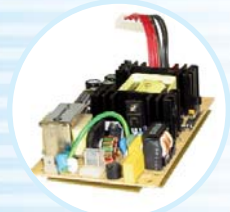
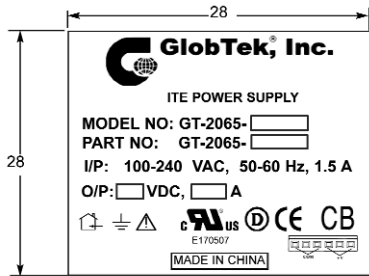
XXX: DENOTES INPUT AND /OR OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TANTALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
3) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
4) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
5) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
6) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.



ISO 9001:2008
REGISTERED

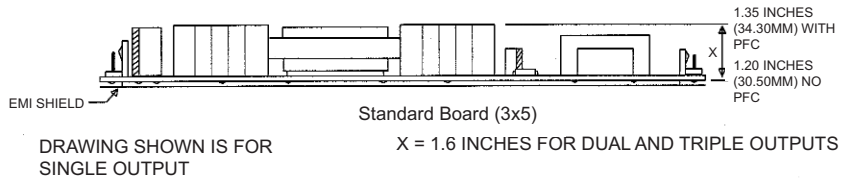
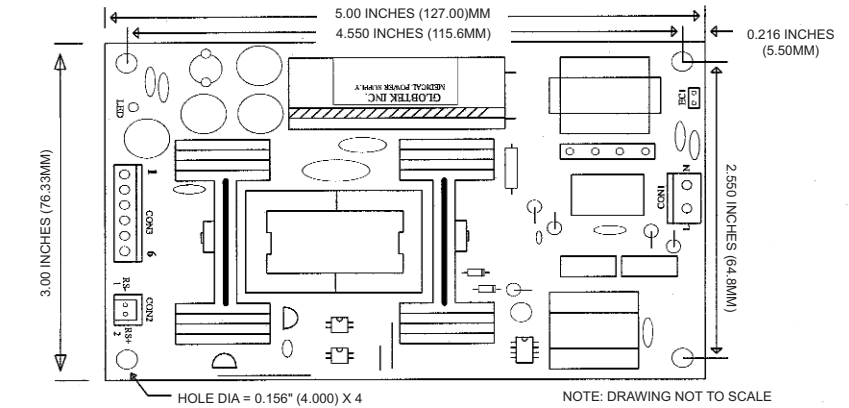
0-65 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 259)



CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW



OPEN FRAME CLASS I:

INPUT CONNECTOR (CON1)

MOLEX 3-PIN WITH CENTER PIN
REMOVED MOLEX PN: 26-60-4030 MATES
W/PN: 09-50-3031, PIN 1: AC NEUTRAL,
PIN 3: AC LINE, EC1: EARTH GROUND
FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)

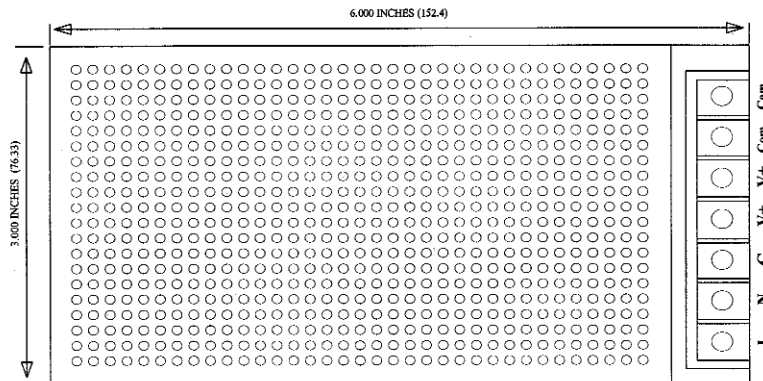
WIRE HARNESS WITH MOLEX
HEADER PN: 09-50-3031
WITH AWG 18 STRANDED WIRE,
UL1007/UL1015 WITH CONFIGURABLE
LENGTH UP TO 100mm.
BLACK OR BROWN FOR AC LINE;
WHITE OR BLUE FOR AC NEUTRAL;
GREEN WITH YELLOW STRIPE
FOR EARTH GROUND

OUTPUT CONNECTOR (CON3): MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H): WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGTH UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION: 7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OPTION:
L-BRACKET WITH
PERFORATED
COVER.



42.00mm Max. (1.65 Inches Max)

Extended Board (3x6)

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: UNIVERSAL INPUT FROM 100VAC TO 240VAC
INPUT CURRENT: 1.5A@65W MAXIMUM AT 100VAC FULL LOAD
INPUT FREQUENCY: 47 HZ - 63 HZ
OUTPUT CURRENT: NO MINIMUM LOAD REQUIRED
OUTPUT POWER (RATED): 65 WATTS MAX FREE AIR CONVECTION
OUTPUT RIPPLE (PEAK TO PEAK): LESS THAN 1% OF OUTPUT VOLTAGE
OUTPUT LOAD REGULATION: +/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU
LINE REGULATION: +/- 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR
TURN ON/ TURN OFF OVERSHOOT: 5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% TO 50% STEP LOAD
TURN-ON DELAY: 3 SEC TYPICAL
HOLD-UP TIME: 12mS MINIMUM AT 65W AT 120VAC INPUT
INRUSH CURRENT: 20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC
EFFICIENCY: 80% TYPICAL AT NOMINAL INPUT AND FULL LOAD
SWITCHING FREQUENCY: 100 KHZ TYPICAL
OVER-VOLTAGE PROTECTION: OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE
OVER-CURRENT / SHORT CIRCUIT: HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED
OTHER PROTECTION: INPUT LINE AND NEUTRAL FUSING
SAFETY APPROVALS: EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD

DIELECTRIC WITHSTAND VOLTAGE: 5656VDC (4000VAC) FROM PRIMARY TO SECONDARY 2121VDC (1500VAC) SECONDARY TO GROUND
LEAKAGE CURRENT: LESS THAN 300uA AT 240VAC
LINE SURGE: EN 61000-4-5 LEVEL 2
EMI: COMPLIES WITH EN5011 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.
CE MARK: TESTED TO COMPLY WITH EN61000-3-2 EN61000-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.
MTBF (BELCORE METHOD I, CASE 1): 1.1 MILLION HRS, 40C, GROUND BENIGN
OPERATING TEMPERATURE: -20°C TO 50°C AMBIENT TEMPERATURE
STORAGE TEMPERATURE: -40° C TO 80° C
HUMIDITY: OPERATING, NON-CONDENSING; 5% TO 90% RH

- NOTES: 1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



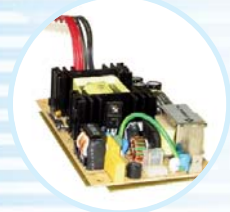
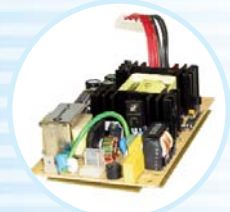
SEE APPENDIX "G" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS: 1. PASSIVE PFC VERSION
2. CLASS II VERSION
3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
5. L-BRACKET WITH PERFORATED COVER
6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT:

Table with 5 columns: MODEL NUMBER, SINGLE OUTPUT SECTION, OUTPUT VOLTAGE (VDC), 65W OUTPUT CURRENT (A) FREE AIR CONVECTION, RATED OUTPUT POWER (W). Rows include models like GTM2065(P)333.3-X.X to GTM2065(P)6548-X.X.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



**0-65 Watts, 3"X5" Open Frame, Universal Input,
Single Output Family, Medical**



MODEL NUMBER DESCRIPTION

GT(M)2065(P)553.3-X.X TO 8048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE, REPLACE "M" WITH "-" (DASH) FOR I.T.E. GRADE

2065: FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; REPLACE "P" WITH "-" FOR NON-PFC VERSION

553.3 TO 8048: 55W 3.3V TO 80W 48V OUTPUT POWER OUTPUT VOLTAGE

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

F(W) OR F(W)A

F: OPEN FRAME VERSION

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

E)XXX(W) OR (E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE OR BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM BASE PLATE SIZE IS 50" X 30")

W: SAFETY CLASS II UNITS (NO "W" MEANS CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

HXXX(W) OR HXXX(W)A

H: INPUT AND/OR OUTPUT WIRE HARNESS OPTION

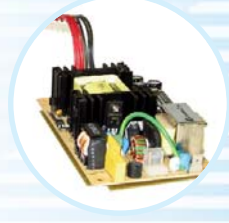
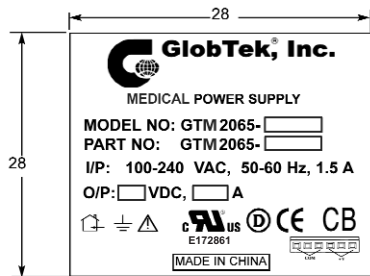
XXX: DENOTES INPUT AND /OR OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
- 4) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
- 5) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
- 6) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.





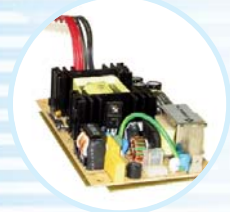
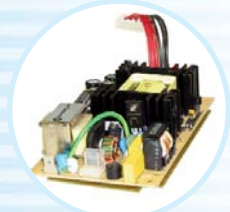
0-65 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, Medical



INDOOR USE ONLY

CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW



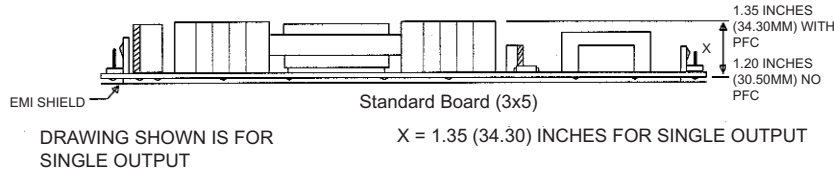
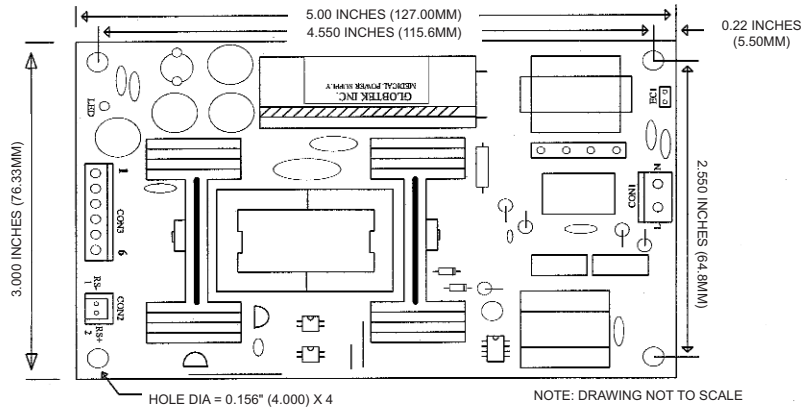
OPEN FRAME CLASS I:

INPUT CONNECTOR (CON1)

MOLEX 3-PIN WITH CENTER PIN REMOVED MOLEX PN: 26-60-4030 MATES W/PN: 09-50-3031, PIN 1: AC NEUTRAL, PIN 3: AC LINE, EC1: EARTH GROUND FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3031 WITH AWG 18 STRANDED WIRE, UL1007/UL1015 WITH CONFIGURABLE LENGTH UP TO 100mm. BLACK OR BROWN FOR AC LINE; WHITE OR BLUE FOR AC NEUTRAL; GREEN WITH YELLOW STRIPE FOR EARTH GROUND

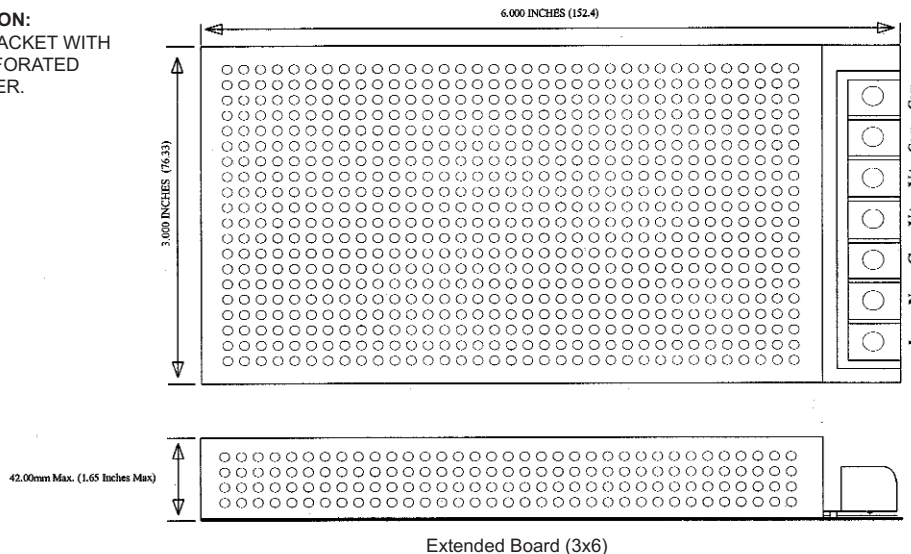


OUTPUT CONNECTOR (CON3): MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H): WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGTH UP TO 200mm. 3C X AWG-18 RED FOR V+; 3C X AWG-18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION: 7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OPTION: L-BRACKET WITH PERFORATED COVER.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 265)



268 ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
1.5A@65W MAXIMUM AT 100VAC FULL LOAD

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
65 WATTS MAX FREE AIR CONVECTION

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
+/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU

LINE REGULATION:
+ / - 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR⁴

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3 SEC TYPICAL

HOLD-UP TIME:
12mS MINIMUM AT 65W AT 120VAC INPUT

INRUSH CURRENT:
20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD⁴

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN61000-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD

OUTPUT VOLTAGE / CURRENT / POWER:

MODEL NUMBER	DUAL OUTPUT SECTION (PRELIMINARY)	OUTPUT VOLTAGE (VDC)	65W OUTPUT CURRENT (A) FREE AIR CONVECTION	RATED OUTPUT POWER (W)
GT-2066(P)330500-XX	F(W) OR EXXX(W) OR HXXX(W)	+3.3/+5.0	10.0/1.4	40
GT-2066(P)051200-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0	10.0/1.25	65
GT-2066(P)05N1200-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-12.0	10.0/1.25	65
GT-2066(P)051500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+15.0	10.0/1.0	65
GT-2066(P)05N1500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-15.0	10.0/1.0	65
GT-2066(P)052400-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+24.0	10.0/0.62	65
GT-2066(P)24N0500-XX	F(W) OR EXXX(W) OR HXXX(W)	+24.0/-5.0	2.29/2.0	65
GT-2066(P)05N0500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-5.0	11.0/2.0	65
GT-2066(P)12N1200-XX	F(W) OR EXXX(W) OR HXXX(W)	+12.0/-12.0	4.41/1.0	65
GT-2066(P)15N1500-XX	F(W) OR EXXX(W) OR HXXX(W)	+15.0/-15.0	3.33/1.0	65
GT-2066(P)18N1800-XX	F(W) OR EXXX(W) OR HXXX(W)	+18.0/-18.0	2.61/1.0	65
GT-2066(P)24N2400-XX	F(W) OR EXXX(W) OR HXXX(W)	+24.0/-24.0	2.20/0.50	65



DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) SECONDARY TO GROUND

LEAKAGE CURRENT:
LESS THAN 300uA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 2

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

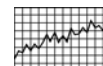
MTBF (BELCORE METHOD I, CASE 1):
1.1 MILLION HRS, 40C, GROUND BENIGN

OPERATING TEMPERATURE:
-20°C TO 50°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
OPERATING, NON-CONDENSING; 5% TO 90% RH

- NOTES:**
- EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 - SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
 - (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
 - TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



SEE APPENDIX "G" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS:**
- PASSIVE PFC VERSION
 - CLASS II VERSION
 - EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
 - OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
 - L-BRACKET WITH PERFORATED COVER
 - REMOTE SENSING

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 265)



OUTPUT VOLTAGE / CURRENT:

Table with 4 columns: MODEL NUMBER, OUTPUT VOLTAGE (VDC), 65W OUTPUT CURRENT (A) FREE AIR CONVECTION, RATED OUTPUT POWER (W). Rows include Triple Output Section models like GT-2066(P)330512-XX, GT-2066(P)0512N12-XX, etc.

MODEL NUMBER DESCRIPTION

GT(M)2065(P)333.3-X.X TO 6548-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE; - (DASH) FOR ITE GRADE

2065: 65W FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; NO "P" FOR NON-PFC VERSION

333.3 TO 6548 = 33W @ 3.3V UP TO 65W @ 48V OUTPUT POWER

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

DUAL AND TRIPLE OUTPUT (GT(M)2066): XXYYZZ DESIGNATES THE OUTPUT VOLTAGE COMBINATION.

F(W)

F: OPEN FRAME VERSION

W: CLASS II UNITS (NO "W" MEANS CLASS I)

(E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE AND BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM PERFORATED ENCLOSURE AND BASE PLATE SIZE IS 50" X 30")

W: CLASS II UNITS (NO "W" MEANS CLASS I)

HXXX(W)A

H: OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRE HARNESS USING UL1007/UL1015 AWG18 WIRES

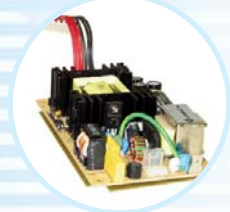
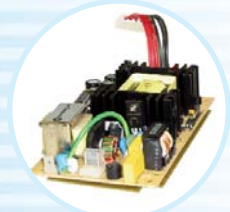
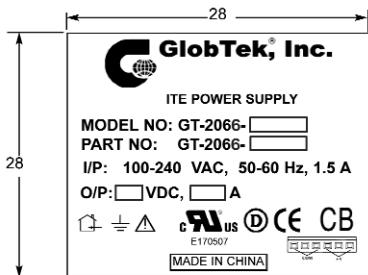
XXX: DENOTES INPUT AND OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: CLASS II UNITS (NO "W" MEANS CLASS I)

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
2) FOR 80W VERSIONS, 10CFM OF AIR FLOW DIRECTED TOWARD THE LONGER SIDE OF THE POWER SUPPLY IS REQUIRED.
THERMAL TESTING FOR 80W EVALUATION WAS DONE IN A WIND TUNNEL MEASURING 35" X 6" X 2" . A FINE WIRE MESH SCREEN (3 LOCATIONS) WAS USED TO DISPERSE THE INCOMING AIR.
3) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
4) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
5) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
6) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
7) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-65 Watts, 3"X5" Open Frame, Universal Input,
Dual and Triple Output Family, ITE**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 265)



INDOOR USE ONLY



CONFIGURATION

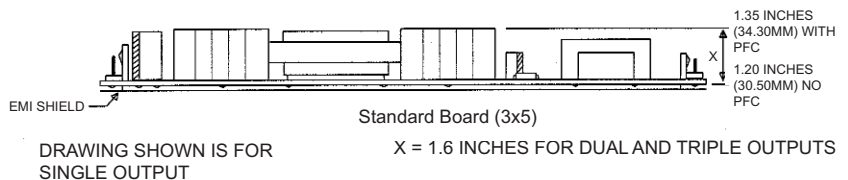
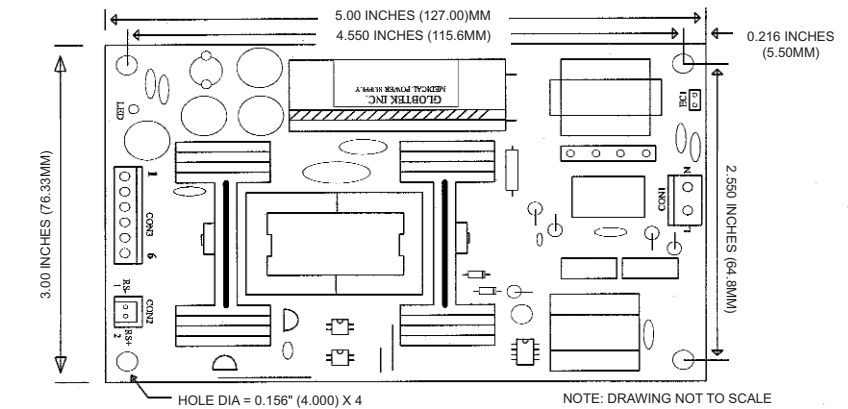
OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW



OPEN FRAME CLASS I:

INPUT CONNECTOR (CON1)
MOLEX 3-PIN WITH CENTER PIN
REMOVED MOLEX PN: 26-60-4030 MATES
W/PN: 09-50-3031, PIN 1: AC NEUTRAL,
PIN 3: AC LINE, EC1: EARTH GROUND
FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)
WIRE HARNESS WITH MOLEX
HEADER PN: 09-50-3031
WITH AWG 18 STRANDED WIRE,
UL1007/UL1015 WITH CONFIGURABLE
LENGTH UP TO 100mm.
BLACK OR BROWN FOR AC LINE;
WHITE OR BLUE FOR AC NEUTRAL;
GREEN WITH YELLOW STRIPE
FOR EARTH GROUND

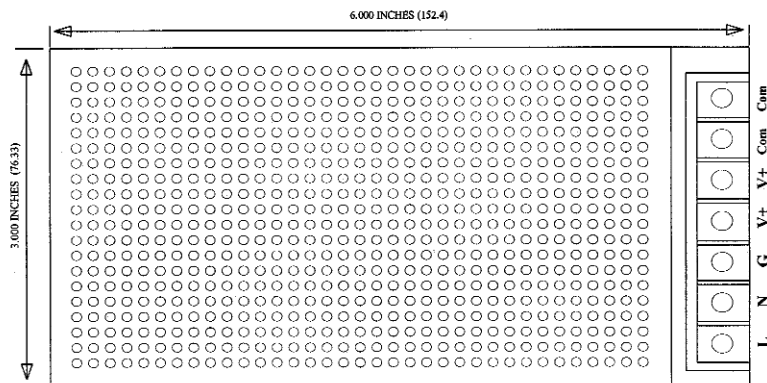


OUTPUT CONNECTOR (CON3): MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H): WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGTH UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION: 7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OPTION:
L-BRACKET WITH
PERFORATED
COVER.



42.00mm Max. (1.65 Inches Max)

Extended Board (3x6)

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



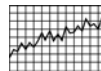
INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: UNIVERSAL INPUT FROM 100VAC TO 240VAC
INPUT CURRENT: 1.5A@65W MAXIMUM AT 100VAC FULL LOAD
INPUT FREQUENCY: 47 HZ - 63 HZ
OUTPUT CURRENT: NO MINIMUM LOAD REQUIRED
OUTPUT POWER (RATED): 65 WATTS MAX FREE AIR CONVECTION
OUTPUT RIPPLE (PEAK TO PEAK): LESS THAN 1% OF OUTPUT VOLTAGE
OUTPUT REGULATION (LINE/LOAD): +/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU
LINE REGULATION: +/- 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR
TURN ON/ TURN OFF OVERSHOOT: 5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD
TURN-ON DELAY: 3 SEC TYPICAL
HOLD-UP TIME: 12mS MINIMUM AT 65W AT 120VAC INPUT
INRUSH CURRENT: 20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC
EFFICIENCY: 75% TYPICAL AT NOMINAL INPUT AND FULL LOAD
SWITCHING FREQUENCY: 100 KHZ TYPICAL
OVER-VOLTAGE PROTECTION: OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE
OVER-CURRENT / SHORT CIRCUIT: HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED
OTHER PROTECTION: INPUT LINE AND NEUTRAL FUSING
SAFETY APPROVALS: EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD

DIELECTRIC WITHSTAND VOLTAGE: 4242VDC (3000VAC) FROM PRIMARY TO SECONDARY 2121VDC (1500VAC) SECONDARY TO GROUND
LEAKAGE CURRENT: LESS THAN 300uA AT 240VAC
LINE SURGE: EN 61000-4-5 LEVEL 2
EMI: COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.
CE MARK: TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.
MTBF (BELCORE METHOD I, CASE 1): 1.1 MILLION HRS, 40C, GROUND BENIGN
OPERATING TEMPERATURE: -20°C TO 50°C AMBIENT TEMPERATURE
STORAGE TEMPERATURE: -40° C TO 80° C
HUMIDITY: OPERATING, NON-CONDENSING; 5% TO 90% RH

- NOTES: 1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



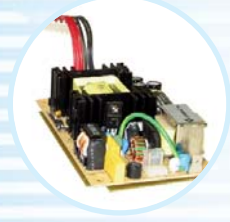
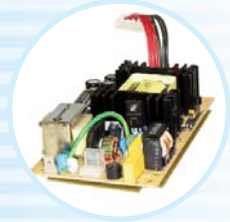
SEE APPENDIX "G" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS: 1. PASSIVE PFC VERSION
2. CLASS II VERSION
3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
5. L-BRACKET WITH PERFORATED COVER
6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT:

Table with 5 columns: MODEL NUMBER, DUAL OUTPUT SECTION (PRELIMINARY), OUTPUT VOLTAGE (VDC), 65W OUTPUT CURRENT (A) FREE AIR CONVECTION, RATED OUTPUT POWER (W). Rows list various model numbers and their specifications.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED

GTM2066 SERIES-65W



0-65 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



MODEL NUMBER	OUTPUT VOLTAGE (VDC)	65W OUTPUT CURRENT (A) FREE AIR CONVECTION	RATED OUTPUT POWER (W)
TRIPLE OUTPUT SECTION		PRELIMINARY	
GTM2066(P)330512-XX F(W) OR EXXX(W) OR HXXX(W)	+3.3/+5.0/+12.0	5.0/3.0/1.0	43.5
GTM2066(P)0512N12-XX F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0-12.0	5.0/2.3/1.0	65
GTM2066(P)0512N05-XX F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0/-5.0	7.0/2.0/1.2	65
GTM2066(P)051215-XX F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0/+15.0	5.0/2.0/1.0	65
GTM2066(P)0515N15-XX F(W) OR EXXX(W) OR HXXX(W)	+5.0/+15.0/-15.0	5.0/2.0/0.67	65
GTM2066(P)051224-XX F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0/+24.0	5.8/2.0/0.50	65
GTM2066(P)0524N12-XX F(W) OR EXXX(W) OR HXXX(W)	+5.0/+24.0/-12.0	5.0/1.0/1.33	65

MODEL NUMBER DESCRIPTION

GT(M)2065(P)333.3-X.X TO 6548-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE; - (DASH) FOR ITE GRADE
2065: 65W FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; NO "P" FOR NON-PFC VERSION
333.3 TO 6548 = 33W @ 3.3V UP TO 65W @ 48V OUTPUT POWER

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

DUAL AND TRIPLE OUTPUT (GT(M)2066): XXYYZZ DESIGNATES THE OUTPUT VOLTAGE COMBINATION.

F(W)

F: OPEN FRAME VERSION

W: CLASS II UNITS (NO "W" MEANS CLASS I)

(E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE AND BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM PERFORATED ENCLOSURE AND BASE PLATE SIZE IS 50" X 30")

W: CLASS II UNITS (NO "W" MEANS CLASS I)

HXXX(W)A

H: OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRE HARNESS USING UL1007/UL1015 AWG18 WIRES

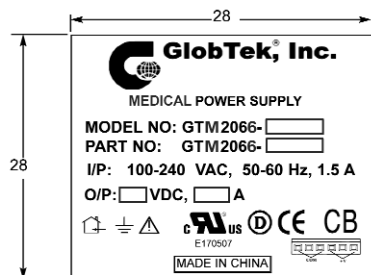
XXX: DENOTES INPUT AND OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: CLASS II UNITS (NO "W" MEANS CLASS I)

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) FOR 80W VERSIONS, 10CFM OF AIR FLOW DIRECTED TOWARD THE LONGER SIDE OF THE POWER SUPPLY IS REQUIRED. THERMAL TESTING FOR 80W EVALUATION WAS DONE IN A WIND TUNNEL MEASURING 35" X 6" X 2" . A FINE WIRE MESH SCREEN (3 LOCATIONS) WAS USED TO DISPERSE THE INCOMING AIR.
- 3) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 4) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
- 5) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
- 6) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
- 7) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-65 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical

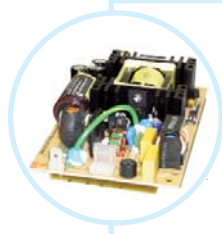
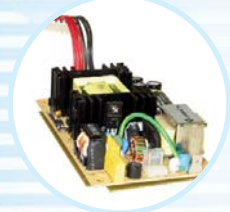
Part Number Ordering System (See Page 456) Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

CONFIGURATION

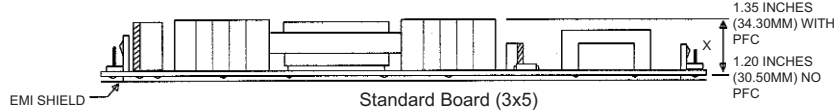
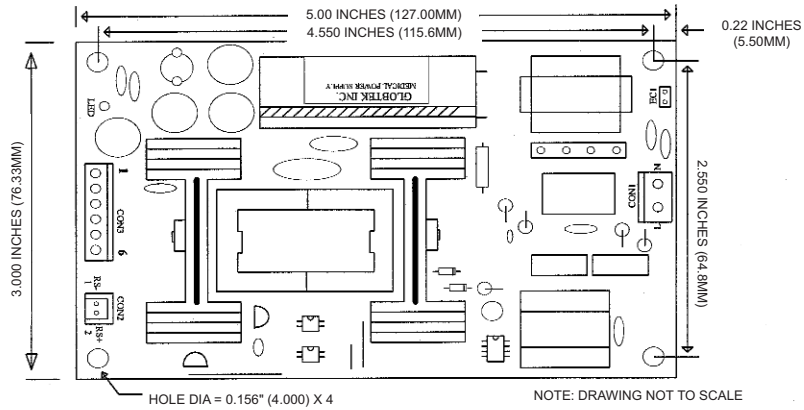
OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW



OPEN FRAME CLASS I:

INPUT CONNECTOR (CON1) MOLEX 3-PIN WITH CENTER PIN REMOVED MOLEX PN: 26-60-4030 MATES W/PN: 09-50-3031, PIN 1: AC NEUTRAL, PIN 3: AC LINE, EC1: EARTH GROUND FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION) WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3031 WITH AWG 18 STRANDED WIRE, UL1007/UL1015 WITH CONFIGURABLE LENGTH UP TO 100mm. BLACK OR BROWN FOR AC LINE; WHITE OR BLUE FOR AC NEUTRAL; GREEN WITH YELLOW STRIPE FOR EARTH GROUND



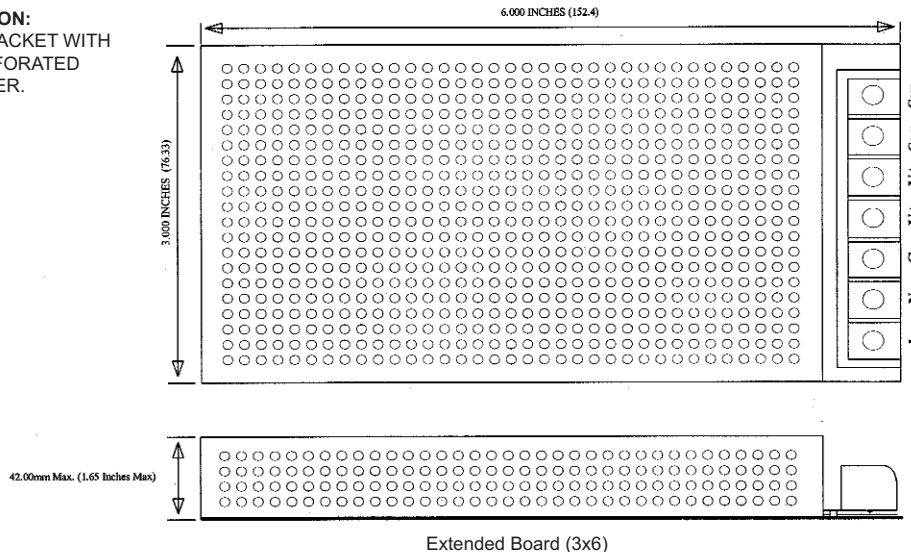
DRAWING SHOWN IS FOR SINGLE OUTPUT X = 1.35 (34.30) INCHES FOR SINGLE OUTPUT

OUTPUT CONNECTOR (CON3): MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H): WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGTH UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION: 7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OPTION: L-BRACKET WITH PERFORATED COVER.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-21131 SERIES-72W



72 Watts, Switchmode Power Supply, Single Output, Family Desktop, Universal Input, ITE Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



274ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

90 VAC TO 264 VAC

INPUT CURRENT:

≤ 1.6 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:

NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):

72 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

≤ LESSOR OF 1% OR 100mV

OUTPUT REGULATION (LINE/LOAD):

± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:

+ 0.5 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:

4% MAX; 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:

1 SEC MAX

HOLD-UP TIME:

16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:

20 A MAX AT COLD START FOR N.A. (40A FOR EURO)

EFFICIENCY:

75 % TYPICAL

SWITCHING FREQUENCY:

100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:

VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:

HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:

INPUT FUSING

SAFETY APPROVALS:

UL60950 (3rd ED.), CUL TO 22.2# 60950 (3rd ED.), TUV TO EN60950-1:2001, PSE TO J60950 CE CLASS I, LPS

DIELECTRIC WITHSTAND VOLTAGE:

1500VAC PRIMARY-SECONDARY; 1500 VAC

PRIMARY- GROUND

LEAKAGE CURRENT:

≤ 3.5 mA

LINE SURGE:

EN 61000-4-5 LEVEL 4

EMI:

COMPLIES WITH EN55022 , CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0° C TO 40° C

STORAGE TEMPERATURE:

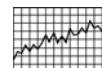
-40° C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 24V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.



SEE APPENDIX "I" FOR ELECTRICAL PERFORMANCE CURVES

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-21131-7212	+12.0	0 - 6.0	0 - 72
GT-21131-7219-6.0	+13.0	0 - 5.5	0 - 72
GT-21131-7219-5.2	+13.8	0 - 5.2	0 - 72
GT-21131-7219-5.0	+14.0	0 - 5.1	0 - 72
GT-21131-7219-4.0	+15.0	0 - 4.8	0 - 72
GT-21131-7219-3.0	+16.0	0 - 4.5	0 - 72
GT-21131-7219-2.0	+17.0	0 - 4.2	0 - 72
GT-21131-7219-1.0	+18.0	0 - 4.0	0 - 72
GT-21131-7219-X.X	+19.0	0 - 3.8	0 - 72
GT-21131-7224-4.0	+20.0	0 - 3.6	0 - 72
GT-21131-7224-X.X	+24.0	0 - 3.0	0 - 72

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



72 Watts, Switchmode Power Supply, Single Output, Family Desktop, Universal Input, ITE Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



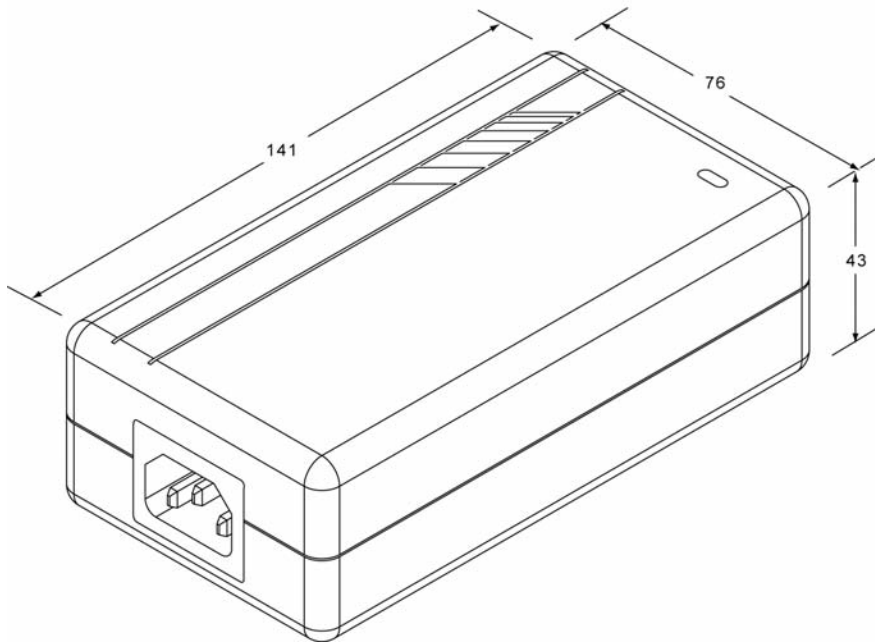
SIZE:

141.5 x 76 x 43 ± 1 mm

INPUT CONNECTOR:

CONFIGURATION:

CLASS 1 MODEL IEC60320 / C14, AC
POWER RECEPTACLE WITH 3
MALE PINS. GROUND PIN CON-
NECTED INTERNALLY TO
DC COMMON



INDICATOR:

GREEN LED, OUTPUT PRESENT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 273)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
1.5A@65W MAXIMUM AT 100VAC FULL LOAD

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
65 WATTS MAX FREE AIR CONVECTION

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF OUTPUT VOLTAGE

OUTPUT LOAD REGULATION:
+/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU

LINE REGULATION:
+ / - 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% TO 50% STEP LOAD

TURN-ON DELAY:
3 SEC TYPICAL

HOLD-UP TIME:
10MS MINIMUM AT 80W AT 120VAC INPUT

INRUSH CURRENT:
20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC

EFFICIENCY:
80% TYPICAL AT NOMINAL INPUT AND FULL LOAD⁴

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD



DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) SECONDARY TO GROUND

LEAKAGE CURRENT:
LESS THAN 300uA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 2

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

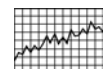
MTBF (BELCORE METHOD I, CASE 1):
1.1 MILLION HRS, 40C , GROUND BENIGN

OPERATING TEMPERATURE:
-20°C TO 50°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
OPERATING, NON-CONDENSING; 5% TO 90% RH

- NOTES:**
1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
 3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
 4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



SEE APPENDIX "H" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS:**
1. PASSIVE PFC VERSION
 2. CLASS II VERSION
 3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
 4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
 5. L-BRACKET WITH PERFORATED COVER
 6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	CURRENT (A) 10 CFM AIR FLOW	RATED OUTPUT POWER (W)
GT-2065(P)553.3-X.X	+3.3	16.67	55
GT-2065(P)5505-X.X	+5.0	11.00	55
GT-2065(P)707.5-X.X	+7.5	9.33	70
GT-2065(P)8009-X.X	+9.0	8.89	80
GT-2065(P)8012-X.X	+12.0	6.67	80
GT-2065(P)8015-X.X	+15.0	5.33	80
GT-2065(P)8018-X.X	+18.0	4.44	80
GT-2065(P)8024-X.X	+24.0	3.33	80
GT-2065(P)8036-X.X	+36.0	2.22	80
GT-2065(P)8048-X.X	+48.0	1.67	80

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 273)



MODEL NUMBER DESCRIPTION

GT(M)2065(P)553.3-X.X TO 8048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE, REPLACE "M" WITH "-" (DASH) FOR I.T.E. GRADE

2065: FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; REPLACE "P" WITH "-" FOR NON-PFC VERSION

553.3 TO 8048: 55W 3.3V TO 80W 48V OUTPUT POWER OUTPUT VOLTAGE

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

F(W) OR F(W)A

F: OPEN FRAME VERSION

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

E)XXX(W) OR (E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE OR BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM BASE PLATE SIZE IS 50" X 30")

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

HXXX(W) OR HXXX(W)A

H: INPUT AND/OR OUTPUT WIRE HARNESS OPTION

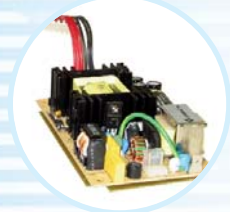
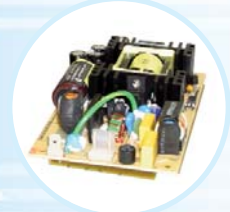
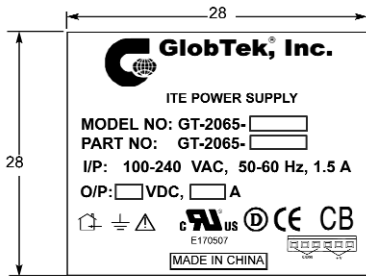
XXX: DENOTES INPUT AND /OR OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) FOR 80W VERSIONS, 10CFM OF AIR FLOW DIRECTED TOWARD THE LONGER SIDE OF THE POWER SUPPLY IS REQUIRED. THERMAL TESTING FOR 80W EVALUATION WAS DONE IN A WIND TUNNEL MEASURING 35" X 6" X 2" . A FINE WIRE MESH SCREEN (3 LOCATIONS) WAS USED TO DISPERSE THE INCOMING AIR.
- 3) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 4) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
- 5) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
- 6) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
- 7) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.





ISO 9001:2008
REGISTERED

GT-2065 SERIES-80W



0-80 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 273)



CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW

OUTPUT CONNECTOR (CON3)

MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGTH UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION

7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE



OPEN FRAME CLASS I: T3

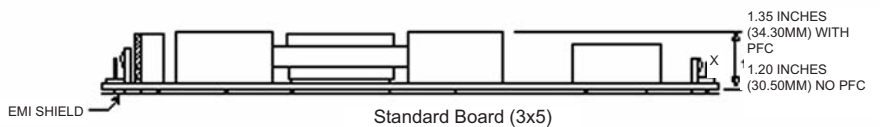
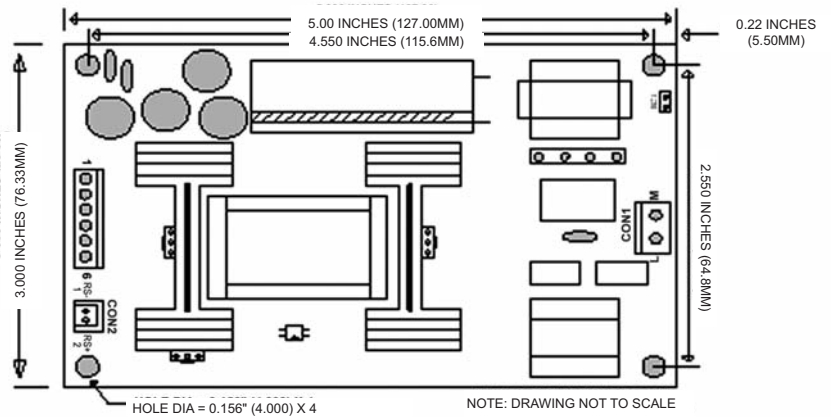
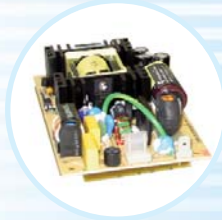
INPUT CONNECTOR (CON1)

MOLEX 3-PIN WITH CENTER PIN REMOVED

MOLEX PN: 26-60-4030 MATES
W/PN: 09-50-3031,
PIN 1: AC NEUTRAL,
PIN 3: AC LINE, EC1:
EARTH GROUND
FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)

WIRE HARNESS WITH MOLEX
HEADER PN: 09-50-3031
WITH AWG 18 STRANDED WIRE,
UL1007/UL1015 WITH
CONFIGURABLE
LENGTH UP TO 100mm.
BLACK OR BROWN FOR AC LINE;
WHITE OR BLUE FOR
AC NEUTRAL;
GREEN WITH
YELLOW STRIPE
FOR EARTH
GROUND



DRAWING SHOWN IS FOR
SINGLE OUTPUT

X = 1.35 (34.30) INCHES FOR SINGLE OUTPUT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



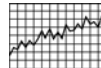
INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE: UNIVERSAL INPUT FROM 100VAC TO 240VAC
INPUT CURRENT: 1.5A@65W MAXIMUM AT 100VAC FULL LOAD
INPUT FREQUENCY: 47 HZ - 63 HZ
OUTPUT CURRENT: NO MINIMUM LOAD REQUIRED
OUTPUT POWER (RATED): 65 WATTS MAX FREE AIR CONVECTION
OUTPUT RIPPLE (PEAK TO PEAK): LESS THAN 1% OF OUTPUT VOLTAGE
OUTPUT REGULATION LOAD: +/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU
LINE REGULATION: +/- 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR
TURN ON/ TURN OFF OVERSHOOT: 5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% TO 50% STEP LOAD
TURN-ON DELAY: 3 SEC TYPICAL
HOLD-UP TIME: 10MS MINIMUM AT 80W AT 120VAC INPUT
INRUSH CURRENT: 20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC
EFFICIENCY: 80% TYPICAL AT NOMINAL INPUT AND FULL LOAD
SWITCHING FREQUENCY: 100 KHZ TYPICAL
OVER-VOLTAGE PROTECTION: OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE
OVER-CURRENT / SHORT CIRCUIT: HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED
OTHER PROTECTION: INPUT LINE AND NEUTRAL FUSING
SAFETY APPROVALS: EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD

DIELECTRIC WITHSTAND VOLTAGE: 4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
LEAKAGE CURRENT: LESS THAN 300uA AT 240VAC
LINE SURGE: EN 61000-4-5 LEVEL 2
EMI: COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.
CE MARK: TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.
MTBF (BELCORE METHOD I, CASE 1): 1.1 MILLION HRS, 40C, GROUND BENIGN
OPERATING TEMPERATURE: -20°C TO 50°C AMBIENT TEMPERATURE
STORAGE TEMPERATURE: -40° C TO 80° C
HUMIDITY: OPERATING, NON-CONDENSING; 5% TO 90% RH

NOTES:
1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



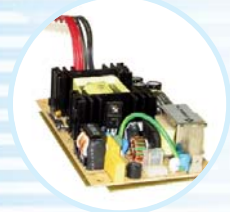
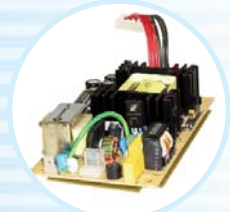
SEE APPENDIX "H" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS:
1. PASSIVE PFC VERSION
2. CLASS II VERSION
3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
5. L-BRACKET WITH PERFORATED COVER
6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT:

Table with 4 columns: MODEL NUMBER, OUTPUT VOLTAGE (VDC), CURRENT (A) 10 CFM AIR FLOW, RATED OUTPUT POWER (W). Rows include models like GTM2065(P)553.3-X.X, GTM2065(P)5505-X.X, etc.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



MODEL NUMBER DESCRIPTION

GT(M)2065(P)553.3-X.X TO 8048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE, REPLACE "M" WITH "-" (DASH) FOR I.T.E. GRADE

2065: FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; REPLACE "P" WITH "-" FOR NON-PFC VERSION

553.3 TO 8048: 55W 3.3V TO 80W 48V OUTPUT POWER OUTPUT VOLTAGE

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

F(W) OR F(W)A

F: OPEN FRAME VERSION

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

E)XXX(W) OR (E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE OR BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM BASE PLATE SIZE IS 50" X 30")

W: SAFETY CLASS II UNITS (NO "W" MEANS CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

HXXX(W) OR HXXX(W)A

H: INPUT AND/OR OUTPUT WIRE HARNESS OPTION

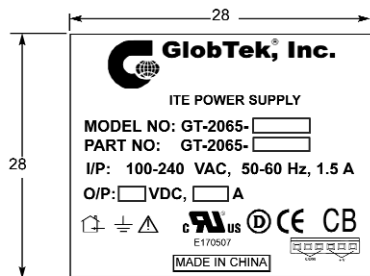
XXX: DENOTES INPUT AND /OR OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: SAFETY CLASS II UNITS (NO "W" MEANS SAFETY CLASS I)

A: INDICATES 10CFM AIRFLOW REQUIREMENT

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
2) FOR 80W VERSIONS, 10CFM OF AIR FLOW DIRECTED TOWARD THE LONGER SIDE OF THE POWER SUPPLY IS REQUIRED. THERMAL TESTING FOR 80W EVALUATION WAS DONE IN A WIND TUNNEL MEASURING 35" X 6" X 2" . A FINE WIRE MESH SCREEN (3 LOCATIONS) WAS USED TO DISPERSE THE INCOMING AIR.
3) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
4) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
5) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
6) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
7) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.





ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Single Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW

OUTPUT CONNECTOR (CON3)

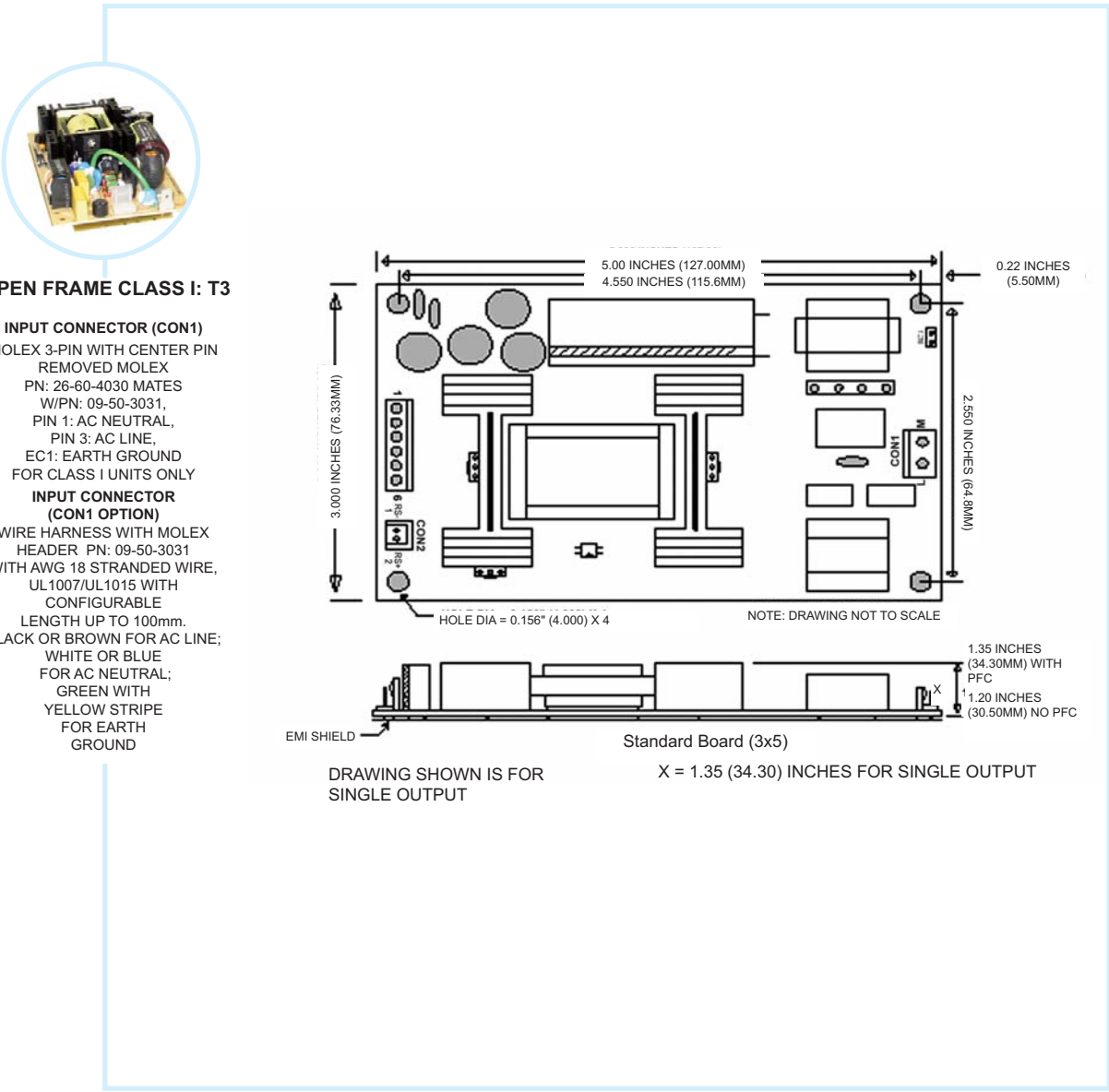
MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGHT UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION

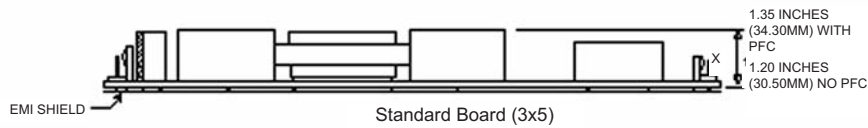
7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE



OPEN FRAME CLASS I: T3

INPUT CONNECTOR (CON1)
MOLEX 3-PIN WITH CENTER PIN REMOVED MOLEX PN: 26-60-4030 MATES W/PN: 09-50-3031, PIN 1: AC NEUTRAL, PIN 3: AC LINE, EC1: EARTH GROUND FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)
WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3031 WITH AWG 18 STRANDED WIRE, UL1007/UL1015 WITH CONFIGURABLE LENGTH UP TO 100mm. BLACK OR BROWN FOR AC LINE; WHITE OR BLUE FOR AC NEUTRAL; GREEN WITH YELLOW STRIPE FOR EARTH GROUND



DRAWING SHOWN IS FOR SINGLE OUTPUT

X = 1.35 (34.30) INCHES FOR SINGLE OUTPUT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 279)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
1.5A@65W MAXIMUM AT 100VAC FULL LOAD

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
65 WATTS MAX FREE AIR CONVECTION

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
+/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU

LINE REGULATION:
+ / - 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR⁴

TURN ON/ TURN OFF OVERTHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3 SEC TYPICAL

HOLD-UP TIME:
10MS MINIMUM AT 80W AT 120VAC INPUT

INRUSH CURRENT:
20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD⁴

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED

OTHER PROTECTION:
INPUT LINE FUSING

SAFETY APPROVALS:
EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD

DIELECTRIC WITHSTAND VOLTAGE:

4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) SECONDARY TO GROUND

LEAKAGE CURRENT:

LESS THAN 300uA AT 240VAC

LINE SURGE:

EN 61000-4-5 LEVEL 2

EMI:

COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

MTBF (BELCORE METHOD I, CASE 1):

1.1 MILLION HRS, 40C , GROUND BENIGN

OPERATING TEMPERATURE:

-20°C TO 50°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:

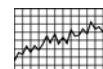
-40° C TO 80° C

HUMIDITY:

OPERATING, NON-CONDENSING; 5% TO 90% RH

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



SEE APPENDIX "H" FOR ELECTRICAL PERFORMANCE CURVES

OPTIONS:

1. PASSIVE PFC VERSION
2. CLASS II VERSION
3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
5. L-BRACKET WITH PERFORATED COVER
6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	CURRENT (A) 10 CFM AIR FLOW	RATED OUTPUT POWER (W)
DUAL OUTPUT SECTION (PRELIMINARY)				
GT-2066(P)330500-XX	F(W) OR EXXX(W) OR HXXX(W)	+3.3/+5.0	10.0/5.0	58
GT-2066(P)051200-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0	10.0/2.50	80
GT-2066(P)05N1200-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-12.0	10.0/2.50	80
GT-2066(P)051500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+15.0	10.0/2.0	80
GT-2066(P)05N1500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-15.0	10.0/2.0	80
GT-2066(P)052400-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+24.0	10.0/1.25	80
GT-2066(P)24N0500-XX	F(W) OR EXXX(W) OR HXXX(W)	+24.0/-5.0	2.92/2.0	80
GT-2066(P)05N0500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-5.0	14.0/2.0	80
GT-2066(P)12N1200-XX	F(W) OR EXXX(W) OR HXXX(W)	+12.0/-12.0	5.66/1.0	80
GT-2066(P)15N1500-XX	F(W) OR EXXX(W) OR HXXX(W)	+15.0/-15.0	4.33/1.0	80
GT-2066(P)18N1800-XX	F(W) OR EXXX(W) OR HXXX(W)	+18.0/-18.0	3.44/1.0	80
GT-2066(P)24N2400-XX	F(W) OR EXXX(W) OR HXXX(W)	+24.0/-24.0	2.85/0.50	80

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 279)



OUTPUT VOLTAGE / CURRENT:

Table with 4 columns: MODEL NUMBER, OUTPUT VOLTAGE (VDC), CURRENT (A) 10 CFM AIR FLOW, RATED OUTPUT POWER (W). Rows include various model numbers like GT-2066(P)330512-XX and their specifications.

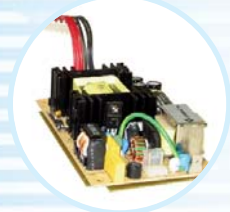
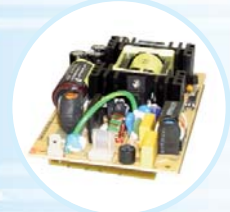
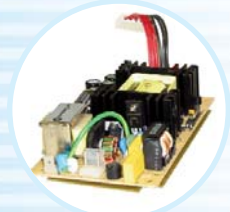
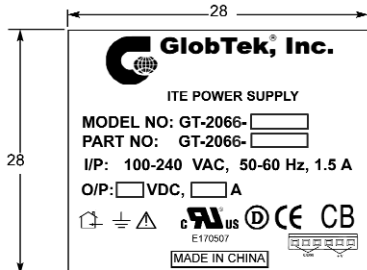
MODEL NUMBER DESCRIPTION

GT(M)2065(P)553.3-X.X TO 8048-X.X
GT: GLOBTEK SERIES
M: MEDICAL GRADE; - (DASH) FOR ITE GRADE
2065: 65W FAMILY DESIGNATOR
P: PASSIVE PFC VERSION; NO "P" FOR NON-PFC VERSION
553.3 TO 8048 = 55W @ 3.3V UP TO 80W @ 48V OUTPUT POWER
XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE
DUAL AND TRIPLE OUTPUT (GT(M)2066): XXYYZZ DESIGNATES THE OUTPUT VOLTAGE COMBINATION.
F(W)
F: OPEN FRAME VERSION
W: CLASS II UNITS (NO "W" MEANS CLASS I)

(E)XXX(W)A
E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)
XXX: DENOTES PERFORATED ENCLOSURE AND BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM PERFORATED ENCLOSURE AND BASE PLATE SIZE IS 50" X 30")
W: CLASS II UNITS (NO "W" MEANS CLASS I)
HXXX(W)A
H: OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRE HARNESS USING UL1007/UL1015 AWG18 WIRES
XXX: DENOTES INPUT AND OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)
W: CLASS II UNITS (NO "W" MEANS CLASS I)

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
2) FOR 80W VERSIONS, 10CFM OF AIR FLOW DIRECTED TOWARD THE LONGER SIDE OF THE POWER SUPPLY IS REQUIRED. THERMAL TESTING FOR 80W EVALUATION WAS DONE IN A WIND TUNNEL MEASURING 35" X 6" X 2" . A FINE WIRE MESH SCREEN (3 LOCATIONS) WAS USED TO DISPERSE THE INCOMING AIR.
3) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
4) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
5) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
6) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
7) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-80 Watts, 3"X5" Open Frame, Universal Input,
Dual and Triple Output Family, ITE**



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 279)



CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW

OUTPUT CONNECTOR (CON3)

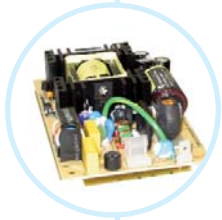
MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGTH UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION

7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE



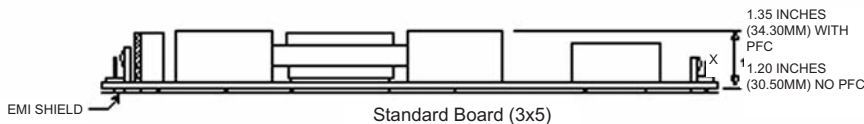
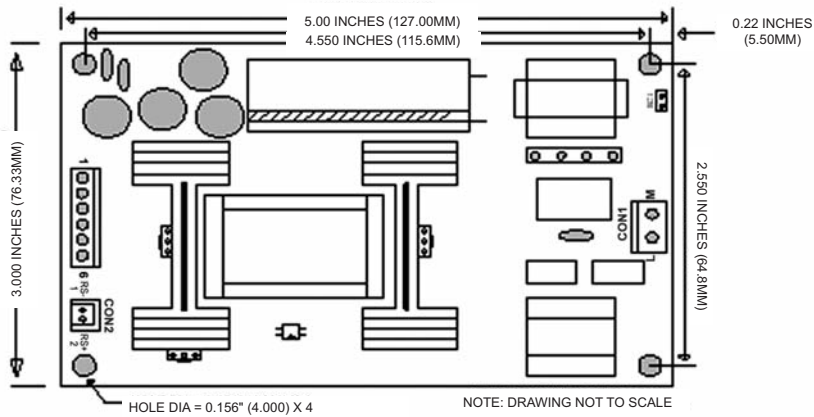
OPEN FRAME CLASS I: T3

INPUT CONNECTOR (CON1)

MOLEX 3-PIN WITH CENTER PIN REMOVED MOLEX PN: 26-60-4030 MATES W/PN: 09-50-3031, PIN 1: AC NEUTRAL, PIN 3: AC LINE, EC1: EARTH GROUND FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3031 WITH AWG 18 STRANDED WIRE, UL1007/UL1015 WITH CONFIGURABLE LENGTH UP TO 100mm. BLACK OR BROWN FOR AC LINE; WHITE OR BLUE FOR AC NEUTRAL; GREEN WITH YELLOW STRIPE FOR EARTH GROUND



DRAWING SHOWN IS FOR SINGLE OUTPUT

X = 1.35 (34.30) INCHES FOR SINGLE OUTPUT



ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
1.5A@65W MAXIMUM AT 100VAC FULL LOAD

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
65 WATTS MAX FREE AIR CONVECTION

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
+/-2% MEASURED AT THE OUTPUT CONNECTOR END OF THE PSU

LINE REGULATION:
+ / - 0.5% OF NOMINAL VOLTAGE MEASURED AT O/P CONNECTOR⁴

TURN ON/ TURN OFF OVERSHOOT:
5% MAXIMUM, 1mS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
3 SEC TYPICAL

HOLD-UP TIME:
10MS MINIMUM AT 80W AT 120VAC INPUT

INRUSH CURRENT:
20A MAXIMUM AT 120VAC AND 40A MAXIMUM AT 230VAC

EFFICIENCY:
75% TYPICAL AT NOMINAL INPUT AND FULL LOAD⁴

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE LIMITED BY CROWBAR METHOD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE, UNIT WILL RECOVER ONCE FAULT IS REMOVED

OTHER PROTECTION:
INPUT LINE AND NEUTRAL FUSING

SAFETY APPROVALS:
EN60950, UL/CSA60950 3ED., EN60601, UL60601 A1/A2, CB, DEMKO, CE TO EN61000-3-2, EN610003-3, EN61000-4-2, EN61000-4-3, EN61000-4-4 EN61000-4-5, EN61000-4-6, EN61000-4-11, EMI TO EN55011 MEDICAL AND EN55022 ITE CLASS B, TESTED WITH RESISTIVE LOAD

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) FROM PRIMARY TO SECONDARY
2121VDC (1500VAC) SECONDARY TO GROUND

LEAKAGE CURRENT:
LESS THAN 300uA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 2

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI.

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN610003-3 AND EN50082-1 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

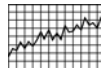
MTBF (BELCORE METHOD I, CASE 1):
1.1 MILLION HRS, 40C, GROUND BENIGN

OPERATING TEMPERATURE:
-20°C TO 50°C AMBIENT TEMPERATURE

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:
OPERATING, NON-CONDENSING; 5% TO 90% RH

- NOTES:**
1. EACH OUTPUT CURRENT MAY VARY WITHIN ITS DESIGNATED RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
 2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
 3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.
 4. TYPICAL EFFICIENCY FOR 7.5V AND BELOW IS 70%



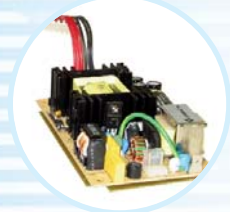
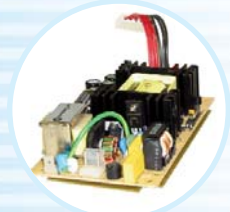
SEE APPENDIX "H" FOR ELECTRICAL PERFORMANCE CURVES

- OPTIONS:**
1. PASSIVE PFC VERSION
 2. CLASS II VERSION
 3. EXTENDED PCB WITH CONFIGURABLE ENCLOSURE.
 4. OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRING HARNESS.
 5. L-BRACKET WITH PERFORATED COVER
 6. REMOTE SENSING

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	CURRENT (A) 10 CFM AIR FLOW	RATED OUTPUT POWER (W)
DUAL OUTPUT SECTION (PRELIMINARY)				
GTM2066(P)330500-XX	F(W) OR EXXX(W) OR HXXX(W)	+3.3/+5.0	10.0/5.0	58
GTM2066(P)051200-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0	10.0/2.50	80
GTM2066(P)05N1200-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-12.0	10.0/2.50	80
GTM2066(P)051500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+15.0	10.0/2.0	80
GTM2066(P)05N1500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-15.0	10.0/2.0	80
GTM2066(P)052400-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+24.0	10.0/1.25	80
GTM2066(P)24N0500-XX	F(W) OR EXXX(W) OR HXXX(W)	+24.0/-5.0	2.92/2.0	80
GTM2066(P)05N0500-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/-5.0	14.0/2.0	80
GTM2066(P)12N1200-XX	F(W) OR EXXX(W) OR HXXX(W)	+12.0/-12.0	5.66/1.0	80
GTM2066(P)15N1500-XX	F(W) OR EXXX(W) OR HXXX(W)	+15.0/-15.0	4.33/1.0	80
GTM2066(P)18N1800-XX	F(W) OR EXXX(W) OR HXXX(W)	+18.0/-18.0	3.44/1.0	80
GTM2066(P)24N2400-XX	F(W) OR EXXX(W) OR HXXX(W)	+24.0/-24.0	2.85/0.50	80

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED

GTM2066 SERIES-80W



0-80 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	CURRENT (A) 10 CFM AIR FLOW	RATED OUTPUT POWER (W)	
TRIPLE OUTPUT SECTION (80W VERSION) (PRELIMINARY)				
GTM2066(P)330512-XX	F(W) OR EXXX(W) OR HXXX(W)	+3.3/+5.0/+12.0	7.0/4.6/1.0	58
GTM2066(P)0512N12-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0-12.0	7.0/2.7/1.0	80
GTM2066(P)0512N05-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0/-5.0	9.0/2.5/1.0	80
GTM2066(P)051215-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0/+15.0	8.0/2.0/1.0	80
GTM2066(P)0515N15-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+15.0/-15.0	8.0/2.0/0.67	80
GTM2066(P)051224-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+12.0/+24.0	7.6/2.5/0.6	80
GTM2066(P)0524N12-XX	F(W) OR EXXX(W) OR HXXX(W)	+5.0/+24.0/-12.0	8.0/1.0/1.33	80

MODEL NUMBER DESCRIPTION

GT(M)2065(P)553.3-X.X TO 8048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE; - (DASH) FOR ITE GRADE

2065: 65W FAMILY DESIGNATOR

P: PASSIVE PFC VERSION; NO "P" FOR NON-PFC VERSION
553.3 TO 8048 = 55W @ 3.3V UP TO 80W @ 48V OUTPUT POWER

XX: USE TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

DUAL AND TRIPLE OUTPUT (GT(M)2066): XYZZZ DESIGNATES THE OUTPUT VOLTAGE COMBINATION.

F(W)

F: OPEN FRAME VERSION

W: CLASS II UNITS (NO "W" MEANS CLASS I)

(E)XXX(W)A

E: EXTENDED PCB (3X6); NO "E" MEANS STANDARD SIZE BOARD (3X5)

XXX: DENOTES PERFORATED ENCLOSURE AND BASE PLATE SIZE CODE WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM PERFORATED ENCLOSURE AND BASE PLATE SIZE IS 50" X 30")

W: CLASS II UNITS (NO "W" MEANS CLASS I)

HXXX(W)A

H: OPEN FRAME WITH CONFIGURABLE INPUT AND OUTPUT WIRE HARNESS USING UL1007/UL1015 AWG18 WIRES

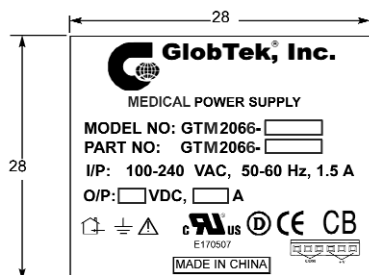
XXX: DENOTES INPUT AND OUTPUT WIRE HARNESS LENGTH CODE WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE HARNESS LENGTH FOR INPUT CONNECTOR IS 100mm AND 200mm FOR OUTPUT CONNECTOR)

W: CLASS II UNITS (NO "W" MEANS CLASS I)

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) FOR 80W VERSIONS, 10CFM OF AIR FLOW DIRECTED TOWARD THE LONGER SIDE OF THE POWER SUPPLY IS REQUIRED. THERMAL TESTING FOR 80W EVALUATION WAS DONE IN A WIND TUNNEL MEASURING 35" X 6" X 2" . A FINE WIRE MESH SCREEN (3 LOCATIONS) WAS USED TO DISPERSE THE INCOMING AIR.
- 3) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 4) CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES. DEPENDING ON SYSTEM CONFIGURATION, ADDITIONAL FILTERING MAY BE REQUIRED.
- 5) ALL MODELS MAY REQUIRE A MINIMUM MOUNTING STANDOFF OF 0.16" (4.00mm) IN THE END USER PRODUCT.
- 6) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMI-CONDUCTOR CASE SHOULD EXCEED 130C.
- 7) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID STABILITY PROBLEM IN THE POWER SUPPLY.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



0-80 Watts, 3"X5" Open Frame, Universal Input, Dual and Triple Output Family, Medical

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW

OUTPUT CONNECTOR (CON3)

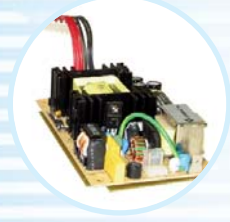
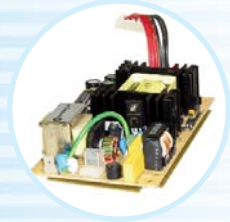
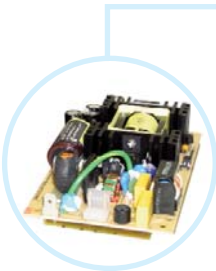
MOLEX 6-PIN FRICTION LOCK HEADER MOLEX PN: 26-60-4060 MATES WITH PN: 09-50-3061, PIN 1,2,3: V+, PIN 4,5,6: COMM, CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE

OUTPUT CONNECTOR (CON3) WITH WIRE HARNESS(H)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3061 WITH AWG 18 STRANDED WIRE, UL1007 WITH CONFIGURABLE LENGHT UP TO 200mm. 3C X AWG18 RED FOR V+; 3C X AWG18 BLACK FOR COMMON. CON2 IS REMOTE SENSE CONNECTOR, MOLEX 22-28-0020 MATES WITH MOLEX PN: 22-01-2021 PIN 1: +SENSE; PIN2: -SENSE

INPUT AND OUTPUT CONNECTOR FOR ENCLOSED (E) VERSION

7-PIN TERMINAL BLOCK, PIN 2: AC NEUTRAL, PIN 1: AC LINE, PIN 3: EARTH GROUND, PIN 4,5: V+, PIN 6,7: COMMON, CON4 IS OPTIONAL REMOTE SENSE CONNECTOR, MOLEX PN: 22-28-0020 MATES WITH MOLEX PN: 22-01-2021, PIN 1: +SENSE; PIN2: -SENSE



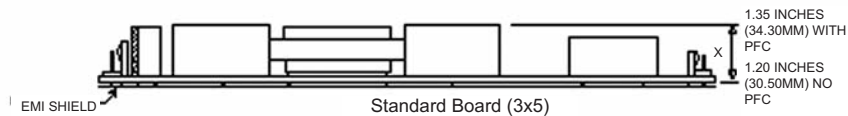
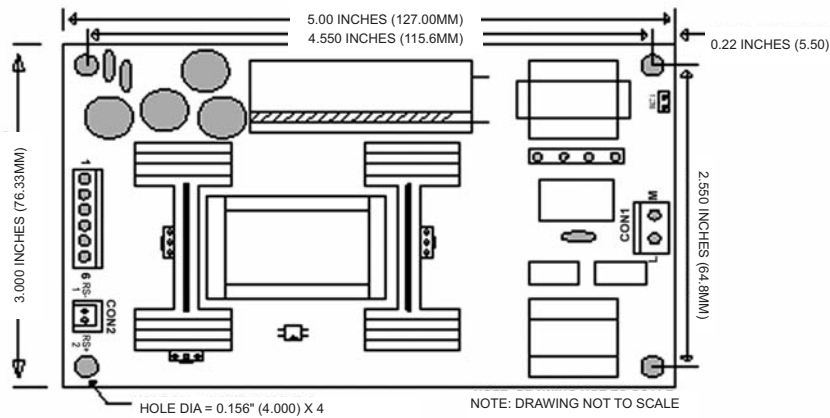
OPEN FRAME CLASS I: T3

INPUT CONNECTOR (CON1)

MOLEX 3-PIN WITH CENTER PIN REMOVED MOLEX PN: 26-60-4030 MATES W/PN: 09-50-3031, PIN 1: AC NEUTRAL, PIN 3: AC LINE, EC1: EARTH GROUND FOR CLASS I UNITS ONLY

INPUT CONNECTOR (CON1 OPTION)

WIRE HARNESS WITH MOLEX HEADER PN: 09-50-3031 WITH AWG 18 STRANDED WIRE, UL1007/UL1015 WITH CONFIGURABLE LENGTH UP TO 100mm. BLACK OR BROWN FOR AC LINE; WHITE OR BLUE FOR AC NEUTRAL; GREEN WITH YELLOW STRIPE FOR EARTH GROUND



DRAWING SHOWN IS FOR SINGLE OUTPUT

X = 1.35 (34.30) INCHES FOR SINGLE OUTPUT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



90 Watts, ??V @ ??A, Single Output, Desktop, Switching Power Supply, Universal Input, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 1.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
12V to 30V VDC

OUTPUT CURRENT:
6.5A MAXIMUM, DEPENDING ON OUTPUT VOLTAGE.
NO MINIMUM LOAD REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
90 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
+/-1% OR 50 mV WHICHEVER IS GREATER OF NOMINAL OUTPUT VOLTAGE. MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR

OUTPUT REGULATION (LINE/LOAD):
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR

LINE REGULATION:
± 1.0 % MAX AT FULL LOAD

TURN ON/ TURN OFF OVERTHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

HOLD-UP TIME:
8.0 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

TURN ON TIME:
< 3 S @115 V INPUT AT FULL LOAD

INRUSH CURRENT:
80 A MAX AT COLD START FOR N.A. (120A FOR EURO)

EFFICIENCY:
85% MINIMUM (CEC/EISA COMPLIANT)

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

OVER-CURRENT/SHORT CIRCUIT:
PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

OTHER PROTECTION:
INPUT FUSING

POWER FACTOR:
0.90 MIN. AT FULL LOAD 230V INPUT

NO LOAD POWER CONSUMPTION:
0.5W MAXIMUM (CEC/EISA COMPLIANT)

SAFETY APPROVALS:
UL60950-1(PENDING) , CUL TO CSA 22.2# 60950-1(PENDING), SIQ TO EN60950-1, EN60065-1(PENDING), PSE TO J60950(PENDING), CB REPORT TO 60950-1, 60065-1(PENDING), CE(PENDING), C-TICK(PENDING), AS/NZ 60950(PENDING), PSE TO J60950, CCC TO GB4943-2001(PENDING)

ING), PSE TO J60950, CCC TO GB4943-2001(PENDING)

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC PRIMARY-SECONDARY

LEAKAGE CURRENT:
< 250 µA AT 240 VAC

EARTH GROUND CONNECTION:
SECONDARY COMMON INTERNALLY CONNECTED TO EARTH GROUND

EMI:
COMPLIES WITH EN55022, EN55011, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN55024, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61004-8, EN61000-4-11

EFFICIENCY:
COMPLIES TO SECTION 301 OF ENERGY INDEPENDENCE AND SECURITY ACT (EISA), COMPLIES WITH ENERGY STAR TIER 2 (NORTH AMERICA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE), 12V WITH 1000 mm CABLE ONLY

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C

STORAGE TEMPERATURE:
-40°C TO 80° C

ALTITUDE:
10,000' (OPERATING), 40,000' (NON-OPERATING)

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

WEIGHT:
492 g

WARRANTY:
5 YEARS

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

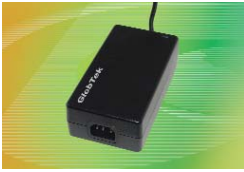
NOTES:

1. EACH OUTPUT CURRENT CAN VARY WITHIN ITS DESIGNATED RANGE AS LONG AS THE OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 12V UP TO 30V IN 0.1V INCREMENTS.
3. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL: SUBSTRACT X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41069P9012-T3	+12.0	0 - 6.5	0 - 78
GT-41069P9016-T3	+16V.0	0 - 5.2	0 - 83.2
GT-41069P9019-T3	+19.0	0 - 4.7	0 - 89
GT-41069P9024-T3	+24.0	0 - 3.7	0 - 89
GT-41069P9027-T3	+27.0	0 - 3.3	0 - 89
GT-41069P9030-T3	+30.0	0 - 3.0	0 - 89

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

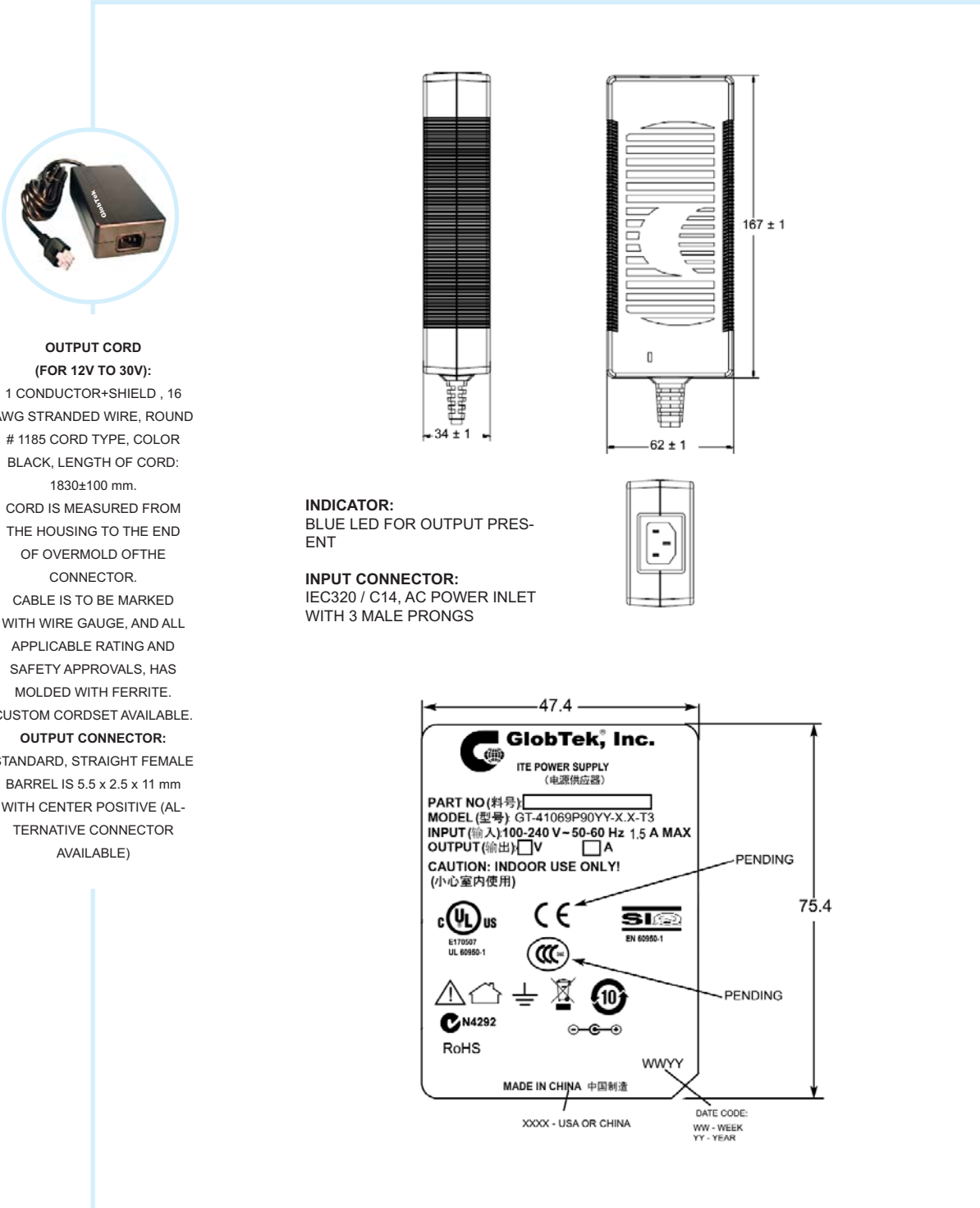


90 Watts, 12 - 30V Single Output, Desktop, Switching Power Supply, Universal Input, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE:

HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK
SIZE: 167.0 x 62.0 x 34.0 + 1 mm



**OUTPUT CORD
(FOR 12V TO 30V):**

1 CONDUCTOR+SHIELD , 16 AWG STRANDED WIRE, ROUND # 1185 CORD TYPE, COLOR BLACK, LENGTH OF CORD: 1830±100 mm.

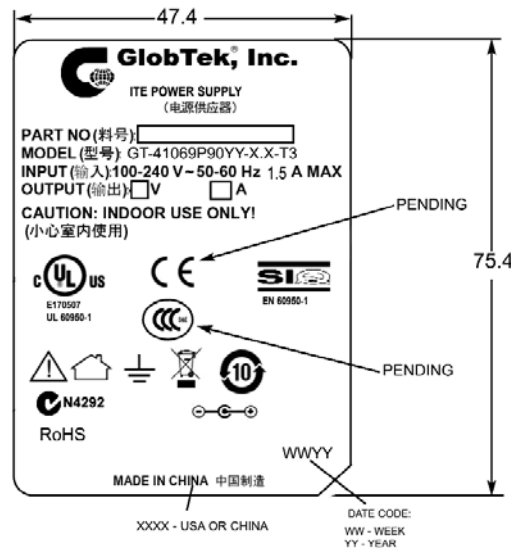
CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR.

CABLE IS TO BE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS, HAS MOLDED WITH FERRITE. CUSTOM CORDSET AVAILABLE.

OUTPUT CONNECTOR:
STANDARD, STRAIGHT FEMALE BARREL IS 5.5 x 2.5 x 11 mm WITH CENTER POSITIVE (ALTERNATIVE CONNECTOR AVAILABLE)

INDICATOR:
BLUE LED FOR OUTPUT PRESENT

INPUT CONNECTOR:
IEC320 / C14, AC POWER INLET WITH 3 MALE PRONGS





ISO 9001:2008
REGISTERED

GT-41133-90VV-X.X-T2, T3, T3A



**90 Watts, Switching Power Supply, Desktop,
Universal Input, ITE, Class I & II, Level V**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
1.5 A RMS MAX

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT VOLTAGE:
SEE CHART BELOW

OUTPUT CURRENT:
NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

RATED OUTPUT POWER:
90 WATTS, MAXIMUM

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 150 mV WHICHEVER IS GREATER. MEASURED AT 20 MHz. BANDWIDTH WITH 0.1 µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf. ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERSHOOT:
5% MAXIMUM, 1ms TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SECOND, TYPICAL

HOLD-UP TIME:
8ms TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
30A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
65 KHz TYPICAL

OVER-VOLTAGE:
PROTECTED WITH ZENER CLAMP ACROSS OUTPUT

SHORT CIRCUIT:
PROTECTED, UNIT WILL RECOVER UPON REMOVAL OF FAULT

INPUT:
INPUT LINE FUSING

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 mA AT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 2nd EDITION, NEMKO TO 60950-1, CCC TO GB4943-2001, GB9254-1998, GB17625.12003, GOST-R, CE CLASS I, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998_A1:2000, EN610003-2, E610003-3 INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N, EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V. COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40°C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10°C TO -80°C

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-41133-9015-3.0-T2	+12.0	0 - 7.5	0 - 90
GT-41133-9028-9.0-T2	+19.0	0 - 4.74	0 - 90
GT-41133-9028-4.0-T2	+24.0	0 - 3.75	0 - 90
GT-41133-9048-T2	+48.0	0 - 1.875	0 - 90
GT-41133-9015-3.0-T3	+12.0	0 - 7.5	0 - 90
GT-41133-9028-9.0-T3	+19.0	0 - 4.74	0 - 90
GT-41133-9028-4.0-T3	+24.0	0 - 3.75	0 - 90
GT-41133-9048-T3	+48.0	0 - 1.875	0 - 90
GT-41133-9015-3.0-T3A	+12.0	0 - 7.5	0 - 90
GT-41133-9028-9.0-T3A	+19.0	0 - 4.74	0 - 90
GT-41133-9028-4.0-T3A	+24.0	0 - 3.75	0 - 90
GT-41133-9048-T3A	+48.0	0 - 1.875	0 - 90

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



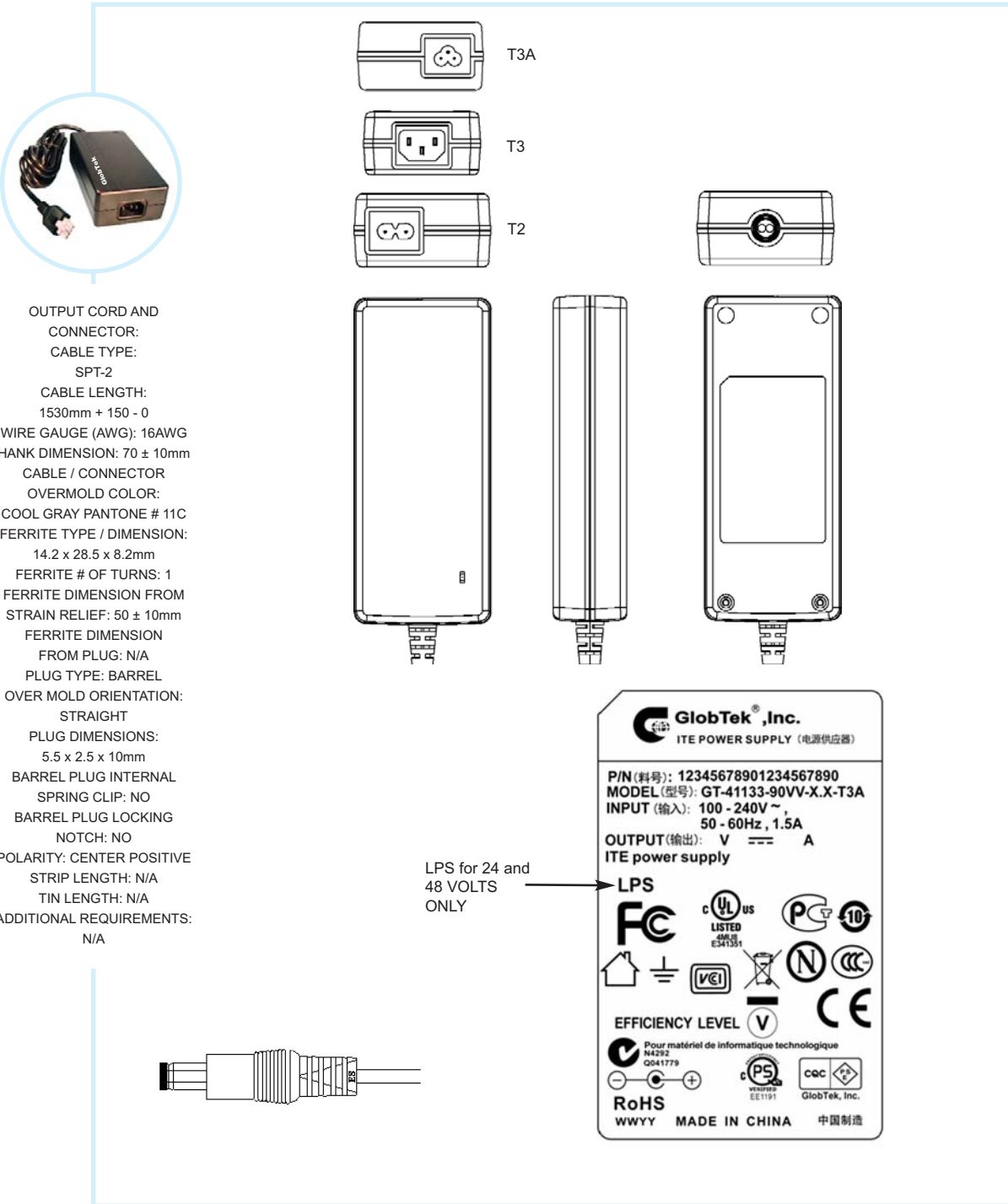
90 Watts, Switching Power Supply, Desktop, Universal Input, ITE, Class I & II, Level V

Part Number Ordering System (See Page 456) Output Plug/Cord Options (See Page 425)



ENCLOSURE:

MATERIAL: 94V-0 POLYCARBONATE, COLOR: COOL GRAY PANTONE # 11C
T2 SIZE: 62.4 x 149.4 x 33.5mm, AC INLET: IEC 60320 / C8
T3 SIZE: 62.4 x 167.3 x 33.5mm, AC INLET: IEC 60320 / C14
T3A SIZE: 62 x 150 x 34mm, AC INLET: IEC 60320 / C6



OUTPUT CORD AND CONNECTOR:
CABLE TYPE: SPT-2
CABLE LENGTH: 1530mm + 150 - 0
WIRE GAUGE (AWG): 16AWG
HANK DIMENSION: 70 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR: COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION: 14.2 x 28.5 x 8.2mm
FERRITE # OF TURNS: 1
FERRITE DIMENSION FROM STRAIN RELIEF: 50 ± 10mm
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION: STRAIGHT
PLUG DIMENSIONS: 5.5 x 2.5 x 10mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A

LPS for 24 and 48 VOLTS ONLY

Label with GlobTek logo, ITE POWER SUPPLY, P/N (料号): 12345678901234567890, MODEL (型号): GT-41133-90VV-X.X-T3A, INPUT (输入): 100 - 240V ~, 50 - 60Hz, 1.5A, OUTPUT (输出): V --- A, ITE power supply, LPS, FC, UL US LISTED, PC, 10, VCCI, N, CCC, CE, EFFICIENCY LEVEL, RoHS, WWYY, MADE IN CHINA, 中国制造



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**0-90 Watts, DC/DC Desktop Switchmode Power Supply,
Single Output Family 11-16 VDC Input, ITE**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
36-72 VDC
- INPUT CURRENT:**
< 3.0A (R.M.S.)
- OUTPUT CURRENT:**
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
90 WATTS MAX
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% TYPICAL
- OUTPUT REGULATION (LINE/LOAD):**
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
± 0.5 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERSHOOT:**
4% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD
- INRUSH CURRENT:**
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)
- EFFICIENCY:**
75 % TYPICAL
- SWITCHING FREQUENCY:**
100 KHZ TYPICAL
- OVER-VOLTAGE PROTECTION:**
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
- OVER-CURRENT / SHORT CIRCUIT:**
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO
- OTHER PROTECTION:**
INPUT FUSING

SAFETY APPROVALS (PENDING):

ITE MODEL: UL60950, CUL TO 22.2 # 950, TUV GS EN60950
EMI: COMPLIES WITH EN55022 , CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-
4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

WEIGHT:

450 g

NOTES:

1. -: ITE MODEL OR (M): MEDICAL MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS
DESIGNATION RANGE, AS LONG AS THE OUTPUT POWER
IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO
48V IN 0.1V INCREMENTS.
4. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING
X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD28000-4505	+ 5.0	0 - 9.0	0 - 45
GTD28000-5404	+ 6.0	0 - 9.0	0 - 54
GTD28000-6075	+ 7.5	0 - 8.0	0 - 60
GTD28000-6809	+ 9.0	0 - 7.5	0 - 67.5
GTD28000-9012	+ 12.0	0 - 7.5	0 - 90
GTD28000-9015	+ 15.0	0 - 6.0	0 - 90
GTD28000-9024	+ 24.0	0 - 3.75	0 - 90
GTD28000-9032	+ 32.0	0 - 2.8	0 - 90

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



0-90 Watts, DC/DC Desktop Switchmode Power Supply, Single Output Family 36-72 VDC Input, ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ENCLOSURE: DESKTOP, DUAL CORD

HOUSING: HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK



SIZE:

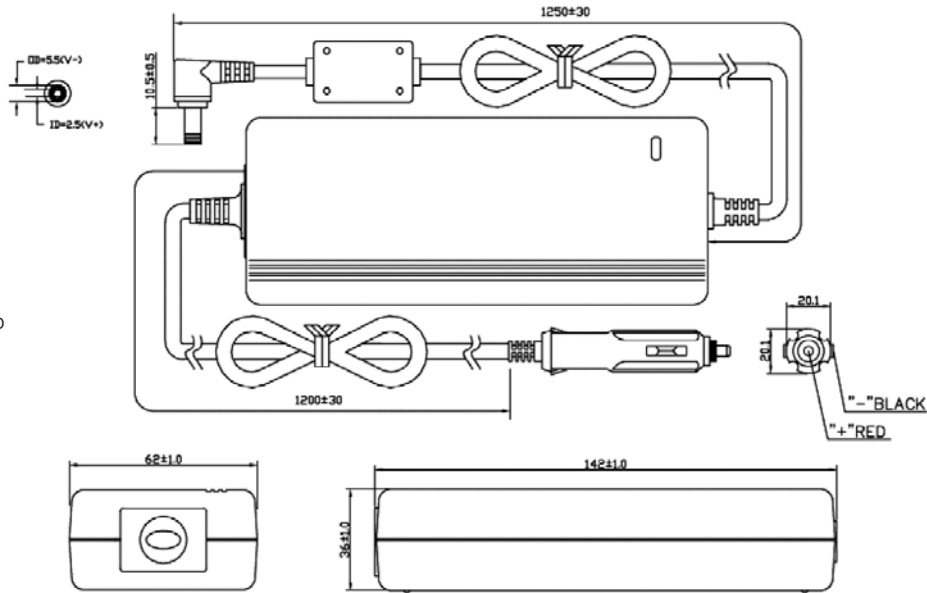
142 x 62 x 36 + 1mm

INPUT CONNECTOR:

2 CONDUCTOR, 18AWG STRANDED WIRE, FLAT UL VW-1 RATED UL 2464 CORD TYPE, COLOR BLACK, LENGTH OF CORD:

1830 + 50mm.

CORD IS MEASURED FROM THE HOUSING TO THE END OF OVERMOLD OF THE CONNECTOR. CABLE MARKED WITH WIRE GAUGE, AND ALL APPLICABLE RATING AND SAFETY APPROVALS.



INPUT CONNECTOR:

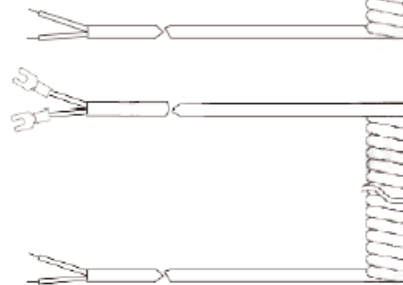
OPTION # 1:

CAR MALE CIGARETTE LIGHTER DC POWER PLUG (+,-) TIP POSITIVE WITH 5A/125V SLO-BLO FUSE



OPTION # 2:

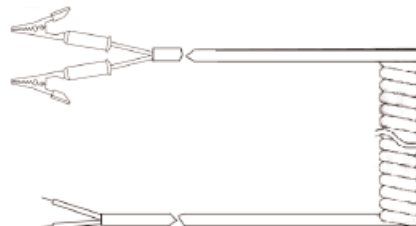
SPADE TONGUE TERMINAL 0.25" FAST ON SOFT INSULATION TYPE



INPUT CONNECTOR:

OPTION # 3:

ALLIGATOR CLIPS





ISO 9001:2008
REGISTERED



**0-90 Watts, DC/DC Desktop Switchmode Power Supply,
Single Output Family 11-16 VDC Input, ITE**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
32-48 VDC
- INPUT CURRENT:**
< 3.0A (R.M.S.)
- OUTPUT CURRENT:**
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED
- OUTPUT POWER (RATED):**
90 WATTS MAX
- OUTPUT RIPPLE (PEAK TO PEAK):**
1% TYPICAL
- OUTPUT REGULATION (LINE/LOAD):**
± 5 % FOR MAIN OUTPUT, MEASURED AT O/P CONNECTOR
- LINE REGULATION:**
± 0.5 % MAX AT FULL LOAD
- TURN ON/ TURN OFF OVERTHOOT:**
4% MAX 500µs MAX RECOVERY TIME FOR 25% STEP LOAD
- INRUSH CURRENT:**
20 A MAX AT COLD START FOR N.A. (40A FOR EURO)
- EFFICIENCY:**
75 % TYPICAL
- SWITCHING FREQUENCY:**
100 KHZ TYPICAL
- OVER-VOLTAGE PROTECTION:**
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE
- OVER-CURRENT / SHORT CIRCUIT:**
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO
- OTHER PROTECTION:**
INPUT FUSING

SAFETY APPROVALS (PENDING):

ITE MODEL: UL60950, CUL TO 22.2 # 950, TUV GS EN60950
EMI: COMPLIES WITH EN55022 , CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-
4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40° C

STORAGE TEMPERATURE:

-40°C TO 80° C

HUMIDITY:

0% TO 90% RELATIVE HUMIDITY

WEIGHT:

450 g

NOTES:

1. -: ITE MODEL OR (M): MEDICAL MODEL
2. EACH OUTPUT CURRENT CAN VARY WITHIN ITS
DESIGNATION RANGE, AS LONG AS THE OUTPUT POWER
IS NOT EXCEEDED.
3. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO
48V IN 0.1V INCREMENTS.
4. X.X.: OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE
DEVIATION FROM STANDARD MODEL: SUBTRACTING
X.X. VOLTS FROM STANDARD OUTPUT VOLTAGE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTD28001-9032	+ 32.0	0 - 2.8	0 - 90
GTD28001-9036	+ 36.0	0 - 2.5	0 - 90
GTD28001-9040	+ 40.0	0 - 2.25	0 - 90
GTD28001-9048	+ 48.0	0 - 1.87	0 - 90

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**100 Watts, DeskTop, Universal Input, Single Output Family,
ITE Switchmodes**



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 292)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
100 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
± 2% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):
REMOTE SENSE OPTION FOR TIGHT OUTPUT REGULATION.

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20mS TYPICAL AT 120VAC, 70mS TYPICAL AT 230VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
75 % TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
200 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 150% OF NOMINAL LOAD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS (PENDING):
EN60950, UL60950, EN60601 AND UL60601, PSE TO J60950
CB REPORT AND CE MARK

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
≤ 300uA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3,
AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GT: INTERNAL CODE;
-: ITE MODEL, UL 60950
(P): POWER FACTOR CORRECTION, OPTIONAL
0302.5 TO 10048: OUTPUT POWER / OUTPUT VOLTAGE
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMICONDUCTOR CASE SHOULD EXCEED 130C
- 5) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID OSCILLATION OF THE POWER SUPPLY.
- 6) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 7) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9100P-0302.5	+2.50	0 - 15.00	0 - 30
GT-9100P-0663.3-X.X	+3.30	0 - 15.00	0 - 66
GT-9100P-10005-X.X	+5.00	0 - 20.00	0 - 100
GT-9100P-10006-X.X	+6.00	0 - 16.67	0 - 100
GT-9100P-1007.5-X.X	+7.50	0 - 13.33	0 - 100
GT-9100P-10009-X.X	+9.00	0 - 8.33	0 - 100
GT-9100P-10012-X.X	+12.0	0 - 8.34	0 - 100
GT-9100P-10013.5-X.X	+13.50	0 - 7.41	0 - 100
GT-9100P-10013.8-X.X	+13.80	0 - 7.25	0 - 100

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



100 Watts, DeskTop, Universal Input, Single Output Family, ITE Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 292)



INDOOR USE ONLY

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9100P-10015-X.X	+15.0	0 - 6.67	0 - 100
GT-9100P-10018-X.X	+18.0	0 - 5.56	0 - 100
GT-9100P-10024-X.X	+24.0	0 - 4.17	0 - 100
GT-9100P-10036-X.X	+36.0	0 - 2.78	0 - 100
GT-9100P-10048-X.X	+48.0	0 - 2.08	0 - 100

ENCLOSURES

HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



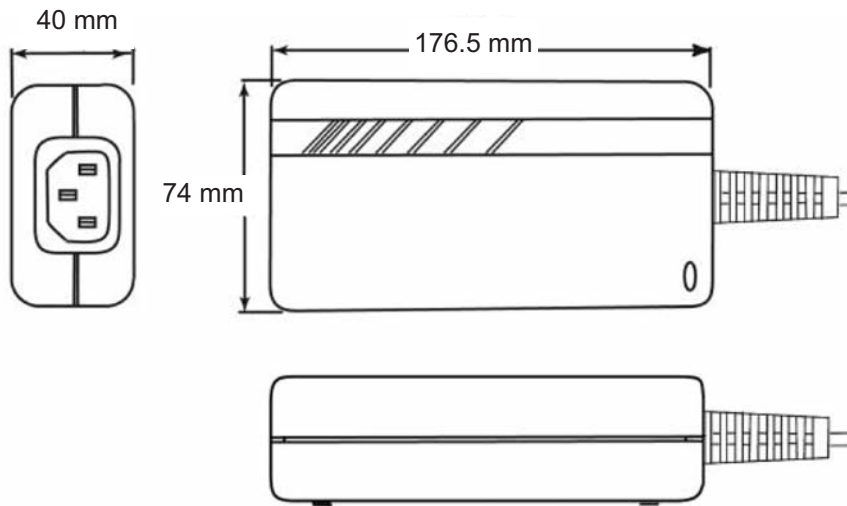
SIZE:

176.5 x 74 x 40 + 1 mm

INPUT CONNECTOR:

CONFIGURATION:

CLASS 1 MODEL IEC60320 / C14, AC
POWER RECEPTACLE WITH 3
MALE PINS. GROUND PIN
CONNECTED INTERNALLY TO
DC COMMON



INDICATOR:
GREEN LED, OUTPUT PRESENT

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM9100 SERIES-100W



100 Watts, Desktop, Universal Input, Single Output Family, Medical Grade Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
100 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
± 2% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):
REMOTE SENSE OPTION FOR TIGHT OUTPUT REGULATION.

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20mS TYPICAL AT 120VAC, 70mS TYPICAL AT 230VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
75 % TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
200 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 150% OF NOMINAL LOAD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS (PENDING):
EN60601.1 AND UL60601.1
CB REPORT AND CE MARK, PSE TO J60950

DIELECTRIC WITHSTAND VOLTAGE:
5656VDC (4000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
≤ 300µA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GTM: INTERNAL CODE;
(P): POWER FACTOR CORRECTION, OPTIONAL
0302.5 TO 10048: OUTPUT POWER / OUTPUT VOLTAGE
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMICONDUCTOR CASE SHOULD EXCEED 130C
- 5) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID OSCILLATION OF THE POWER SUPPLY.
- 6) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 7) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 8) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9100P-0302.5	+2.50	0 - 15.00	0 - 30
GTM9100P-0663.3-X.X	+3.30	0 - 15.00	0 - 66
GTM9100P-10005-X.X	+5.00	0 - 20.00	0 - 100
GTM9100P-10006-X.X	+6.00	0 -16.67	0 - 100
GTM9100P-1007.5-X.X	+7.50	0 - 13.33	0 - 100
GTM9100P-10009-X.X	+9.00	0 - 8.33	0 - 100
GTM9100P-10012-X.X	+12.0	0 - 8.34	0 - 100
GTM9100P-10013.5-X.X	+13.50	0 - 7.41	0 - 100
GTM9100P-10013.8-X.X	+13.80	0 - 7.25	0 - 100

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**100 Watts, DeskTop, Universal Input, Single Output Family,
Medical Grade Switchmodes**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9100P-10015-X.X	+15.0	0 - 6.67	0 - 100
GTM9100P-10018-X.X	+18.0	0 - 5.56	0 - 100
GTM9100P-10024-X.X	+24.0	0 - 4.17	0 - 100
GTM9100P-10036-X.X	+36.0	0 - 2.78	0 - 100
GTM9100P-10048-X.X	+48.0	0 - 2.08	0 - 100

ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK



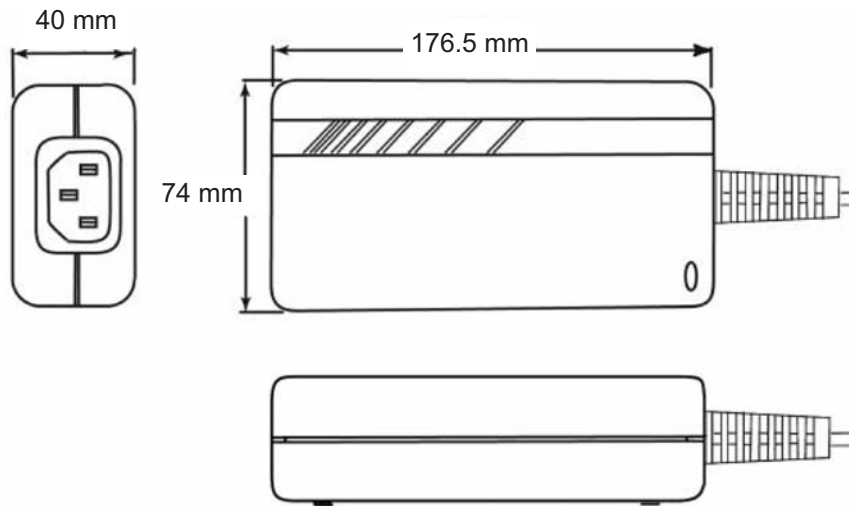
SIZE:

176.5 x 74 x 40 + 1 mm

INPUT CONNECTOR:

CONFIGURATION:

CLASS 1 MODEL IEC60320 / C14, AC
POWER RECEPTACLE WITH 3
MALE PINS. GROUND PIN
CONNECTED INTERNALLY TO DC



INDICATOR:
GREEN LED, OUTPUT PRESENT



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**100-120 Watts, Desktop, Universal Input,
Single Output Family, ITE Switchmodes**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 296)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
2A MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
120 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT LOAD REGULATION:
± 5% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 1% OUTPUT MEASURED AT OUTPUT CONNECTOR

TURN ON/ TURN OFF OVERTHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
8mS MINIMUM AT 120VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
80% TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 180% OF NOMINAL VOLTAGE, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS:
EN60601.1 AND UL60601.1, CB REPORT AND CE MARK, UL TO UL 60950-1, cUL TO CSA 60950-1, DEMKO TO EN60950-1, PSE TO J60950, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2002



DIELECTRIC WITHSTAND VOLTAGE:
5656VDC (4000VAC) PRIMARY-SECONDARY;

LEAKAGE CURRENT:
≤ 300µA AT 240VAC

EMI:
COMPLIES WITH EN55011 AND EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GTM: INTERNAL CODE;
P: POWER FACTOR CORRECTION, OPTIONAL
10012 TO 12048: OUTPUT POWER / OUTPUT VOLTAGE
- : CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TANTALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 5) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 6) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9100P10012-X.X	+12.0	0 - 8.34	0 - 100
GT-9100P10013.5-X.X	+13.50	0 - 7.41	0 - 100
GT-9100P10013.8-X.X	+13.80	0 - 7.25	0 - 100
GT-9100P10015-X.X	+15.0	0 - 6.67	0 - 100
GT-9100P10018-X.X	+18.0	0 - 5.50	0 - 100
GT-9100P10019-X.X	+19.0	0 - 5.26	0 - 100
GT-9100P10020-X.X	+20.0	0 - 5.00	0 - 100
GT-9100P10022-X.X	+22.0	0 - 4.54	0 - 100
GT-9100P12024-X.X	+24.0	0 - 4.20	0 - 120
GT-9100P12036-X.X	+36.0	0 - 3.33	0 - 120
GT-9100P-12048-X.X	+48.0	0 - 2.50	0 - 120

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



100-120 Watts, Desktop, Universal Input, Single Output Family, ITE Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 296)



ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK



SIZE:

176.5 x 74 x 40 + 1 mm

INPUT CONNECTOR:

CONFIGURATION:

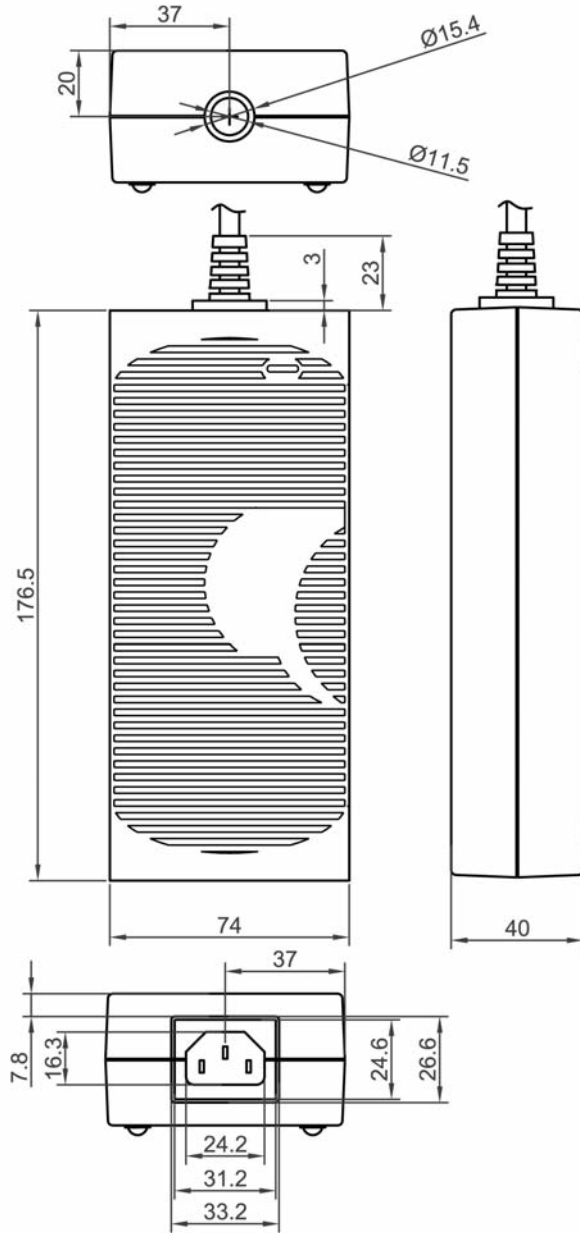
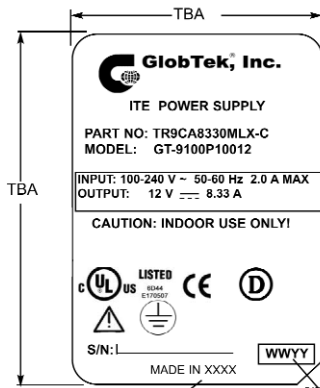
CLASS 1 MODEL IEC60320 / C14, AC

POWER RECEPTACLE WITH 3

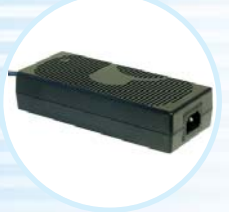
MALE PINS. GROUND PIN

CONNECTED INTERNALLY TO DC

INDICATOR:
GREEN LED,
OUTPUT
PRESENT



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED

GTM9100P SERIES-100-120W



100-120 Watts, Desktop, Universal Input, Single Output Family, Medical Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
2A MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
120 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT LOAD REGULATION:
± 5% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 1% OUTPUT MEASURED AT OUTPUT CONNECTOR

TURN ON/ TURN OFF OVERTHOOT:
5% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
8mS MINIMUM AT 120VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
80% TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 180% OF NOMINAL VOLTAGE, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS:
EN60601.1 AND UL60601.1, CB REPORT AND CE MARK, UL TO UL 60950-1, cUL TO CSA 60950-1, DEMKO TO EN60950-1, PSE TO J60950, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2002



DIELECTRIC WITHSTAND VOLTAGE:
5656VDC (4000VAC) PRIMARY-SECONDARY;

LEAKAGE CURRENT:
≤ 300µA AT 240VAC

EMI:
COMPLIES WITH EN55011 AND EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GTM: INTERNAL CODE;
P: POWER FACTOR CORRECTION, OPTIONAL
10012 TO 12048: OUTPUT POWER / OUTPUT VOLTAGE
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 5) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 6) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

OUTPUT VOLTAGE / CURRENT: CLASS I MODELS, PROTECTIVE GROUND

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9100P10012-X.X	+12.0	0 - 8.34	0 - 100
GTM9100P10013.5-X.X	+13.50	0 - 7.41	0 - 100
GTM9100P10013.8-X.X	+13.80	0 - 7.25	0 - 100
GTM9100P10015-X.X	+15.0	0 - 6.67	0 - 100
GTM9100P10018-X.X	+18.0	0 - 5.50	0 - 100
GTM9100P10019-X.X	+19.0	0 - 5.26	0 - 100
GTM9100P10020-X.X	+20.0	0 - 5.00	0 - 100
GT-9100P10022-X.X	+22.0	0 - 4.54	0 - 100
GTM9100P12024-X.X	+24.0	0 - 4.20	0 - 120
GTM9100P12036-X.X	+36.0	0 - 3.33	0 - 120
GTM9100P-12048-X.X	+48.0	0 - 2.50	0 - 120

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



100-120 Watts, Desktop, Universal Input, Single Output Family, Medical Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC 94V0 POLYCARBONATE, NON- VENTED, COLOR BLACK



SIZE:

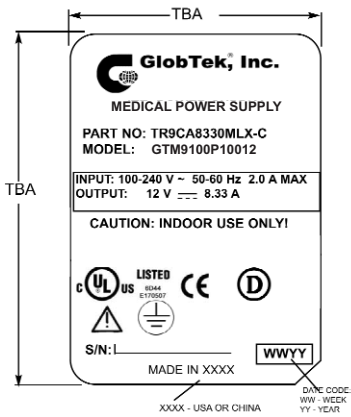
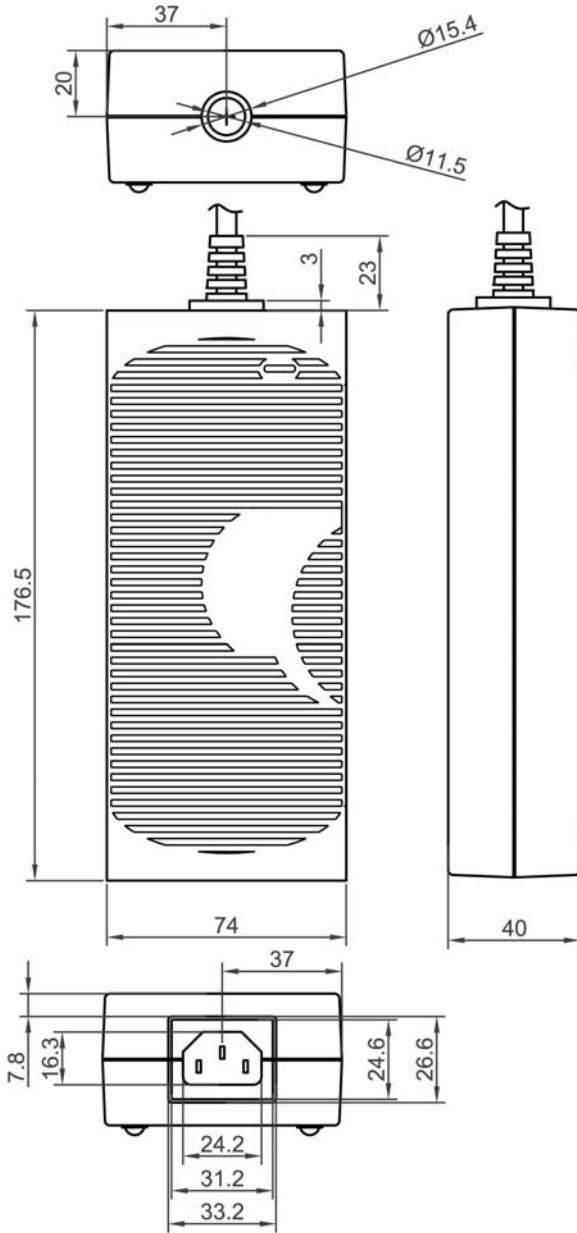
176.5 x 74 x 40 + 1 mm

INPUT CONNECTOR:

CONFIGURATION:

- CLASS 1 MODEL IEC60320 / C14, AC
- POWER RECEPTACLE WITH 3
- MALE PINS. GROUND PIN
- CONNECTED INTERNALLY TO DC

INDICATOR:
GREEN LED,
OUTPUT
PRESENT



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED

GTA41077P SERIES-120W



120 Watts, Desktop, Universal Input, Single Output Family, ITE and Audio/Video Switchmode Power Supplies

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

**MTBF= 200K
Hours!**
5 Year Warranty



304ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
100-120 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
± 5% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 1% OUTPUT MEASURED AT OUTPUT CONNECTOR

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20mS TYPICAL AT 120VAC, 70mS TYPICAL AT 230VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
85% TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

OVER-CURRENT / SHORT CIRCUIT:
PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

OTHER PROTECTION:
LINE FUSING

SAFETY APPROVALS:
UL TO UL 60950-1 AND 60065-1, cUL TO CSA 60950-1 AND 22.2 NO. 60065-03 SIQ TO EN60950-1, PSE TO J60950, CCC TO GB4943-2001, GB9254-1998, GB17625.1-2002, CB REPORT TO IEC 60950-1 AND 60065-1

DIELECTRIC WITHSTAND VOLTAGE:
4242VDC (3000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND



LEAKAGE CURRENT:
≤ 300µA AT 240VAC

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11.

EFFICIENCY:
COMPLIES WITH ENERGY STAR TIER II (N.A.), CECP TEIR 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE)

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GTA-: INTERNAL CODE; 41077: SERIES
P: POWER FACTOR CORRECTION
10012 TO 12048: OUTPUT POWER / OUTPUT VOLTAGE
-: CLASS I PROTECTIVE GROUND

NOTES:

- 1) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 2) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 3) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 4) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 5) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTA41077P10012	+12.0	0 - 8.34	0 - 100
GTA41077P10013.5	+13.50	0 - 7.41	0 - 100
GTA41077P10013.8	+13.80	0 - 7.25	0 - 100
GTA41077P12015	+15.0	0 - 8.00	0 - 120
GTA41077P12018	+18.0	0 - 6.66	0 - 120
GTA41077P12019	+19.0	0 - 6.32	0 - 120
GTA41077P12020	+20.0	0 - 6.00	0 - 120
GTA41077P12022	+22.0	0 - 5.45	0 - 120
GTA41077P12024	+24.0	0 - 5.00	0 - 120
GTA41077P12036	+36.0	0 - 3.33	0 - 120
GTA41077P12048	+48.0	0 - 2.50	0 - 120

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



MTBF= 200K Hours!
5 Year Warranty

120 Watts, Desktop, Universal Input, Single Output Family, ITE and Audio/Video Switchmode Power Supplies

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

ENCLOSURES

UPPER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK
LOWER HOUSING: HIGH IMPACT PLASTIC, 94V0 POLYCARBONATE, NON-VENTED, COLOR BLACK



SIZE:

176.5 x 74 x 40 + 1 mm

INPUT CONNECTOR:

CONFIGURATION:

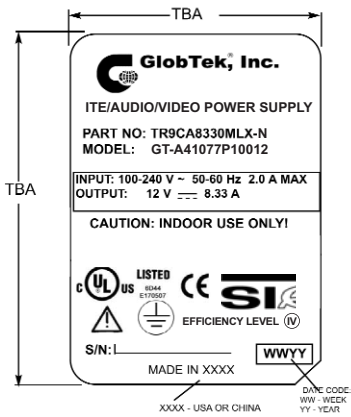
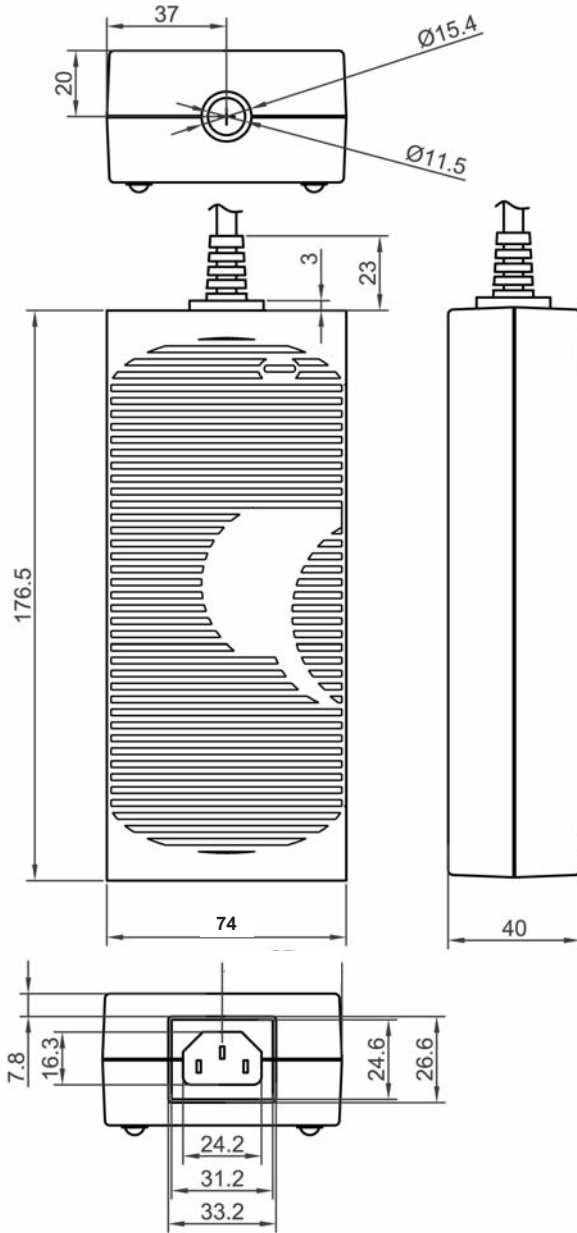
CLASS 1 MODEL IEC60320 / C14, AC

POWER RECEPTACLE WITH 3

MALE PINS. GROUND PIN

CONNECTED INTERNALLY TO DC

INDICATOR:
BLUE LED,
OUTPUT
PRESENT



NOTE: FOR OTHER OUTPUT CORDS ARRANGEMENTS, SEE OUTPUT PLUG/CORD OPTIONS CATALOG ACCESSORIES.





ISO 9001:2008
REGISTERED



0-150 Watts, Switching Power Supply, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100-240 VAC

INPUT CURRENT:
2.0 AMP RMS MAX

INPUT FREQUENCY:
47-63 HZ

OUTPUT VOLTAGE:
12-24 VDC

OUTPUT CURRENT:
SEE CHART BELOW, NO MINIMUM LOAD REQUIRED TO MAINTAIN OUTPUT VOLTAGE REGULATION

OUTPUT POWER (RATED):
150 WATTS MAX

OUTPUT LOAD REGULATION:
+/- 5% MEASURED AT O/P CONNECTOR

LINE VOLTAGE REGULATION:
+/- 1% TYPICAL MEASURED AT THE OUTPUT CONNECTOR

OUTPUT RIPPLE (PEAK TO PEAK):
1% OR 200 MV WHICHEVER IS GREATER. MEASURED AT 20 MHZ BANDWIDTH WITH 0.1 MF CERAMIC CAPACITOR IN PARALLEL WITH 47 MF ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF OUTPUT CONNECTOR AT NOMINAL LINE

TURN-ON/TURN-OFF OVERTHOOT:
10% MAXIMUM, 1MS TYPICAL RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
<3 SECOND, TYPICAL

HOLD-UP TIME:
>10MS TYPICAL AT NOMINAL INPUT VOLTAGE AND FULL LOAD

INRUSH CURRENT:
40A TYPICAL AT 115VAC INPUT AND 60A TYPICAL AT 230 VAC INPUT

SWITCHING FREQUENCY:
100 KHZ TYPICAL

PROTECTION

OVER-VOLTAGE:
PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

SHORT CIRCUIT:
PROTECTED, AC CYCLING REQUIRED TO RESET OUTPUT

INPUT:
INPUT LINE FUSING

SAFETY:

DIELECTRIC WITHSTAND VOLTAGE:
4242 VDC FROM PRIMARY TO SECONDARY

EARTH LEAKAGE:
<3.5 AAT 240 VAC INPUT VOLTAGE

SAFETY APPROVAL:
UL60950-1, CUL TO 22.2 #60950-1 (PENDING), NEMKO TO 60950-1 (PENDING), CCC TO GB4943-2001, GB9254-1998, GB17625.12003 (PENDING), CE CLASS I, AS/NZ TO 60950 (PENDING), C-TICK TO 55022 (PENDING), PSE TO J60950, CB REPORT (PENDING)

EMI:
COMPLIES WITH EN55022 CLASS B AND FCC PART 15 CLASS B, VCCI WHEN TESTED WITH RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED EMI

CE MARK:
TESTED TO COMPLY WITH EN55022:1998 A1:2000, EN610003-2, E610003-3, INCLUDING EN61204-3:2000, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6N EN61000-4-11

C-TICK:
TESTED TO COMPLY WITH AUSTRALIA SECTION 182 OF THE RADIO COMMUNICATION ACT OF 1992.

EFFICIENCY:
ENERGY STAR VERSION 2.0, LEVEL V, COMPLIES TO SECTION 301 OF THE ENERGY INDEPENDENCE AND SECURITY ACT (EISA), CECP TIER 2 (CHINA), MEPS TIER 2 (AUSTRALIA), CODE OF CONDUCT (EUROPE), PSE TO J60950, CB REPORT

MTBF:
200,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:
0°C TO 40° C AMBIENT TEMPERATURE

HUMIDITY:
0% TO 90% RELATIVE HUMIDITY

STORAGE TEMPERATURE:
-10° C TO +80° C

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SO/T 11363-2006

NOTES:
DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-43004P12012-T3	+12.00	0 - 8.33	0 - 100
GT-43004P15012-T3	+12.00	0 - 10.0	0 - 120
GT-43004P12016-1.0-T3	+15.00	0 - 8.00	0 - 120
GT-43004P12016-T3	+16.00	0 - 7.50	0 - 120
GT-43004P12019-1.0-T3	+18.00	0 - 6.66	0 - 120
GT-43004P12019-T3	+19.00	0 - 6.31	0 - 120
GT-43004P15024-T3	+24.00	0 - 6.25	0 - 150
GT-43004P12048-T3	+48.00	0 - 2.50	0 - 120




0-150 Watts, Switching Power Supply, Universal Input, ITE, Class II, Level V

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

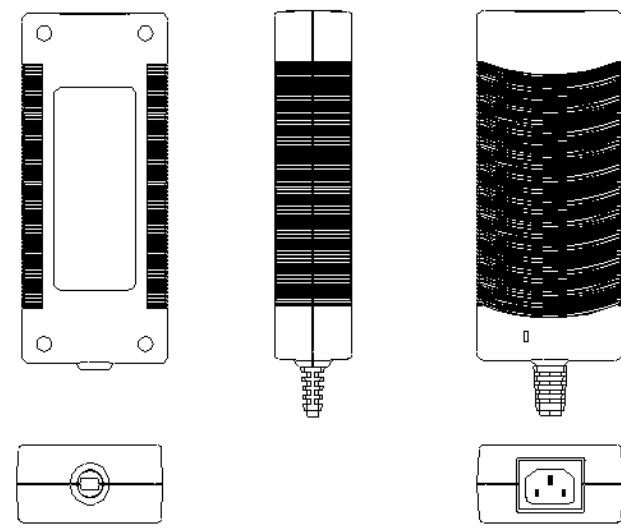

MATERIAL 94V-0 POLYCARBONATE
COLOR: COOL GRAY PANTONE # 11C
DIMENSIONS: 172.5 x 72.2 x 42.0mm +/- 1.0
AC INLET IEC 60320 / C14




OUTPUT CORD AND CONNECTOR:

ACTUAL CONNECTOR'S, OVERMOLDS, FERRITES, MAY VARY SLIGHTLY FROM THE PICTURE BELOW

CABLE TYPE: SPT-2
CABLE LENGTH: 1530mm + 150 - 0
WIRE GAUGE (AWG): 16AWG
HANK DIMENSION: 120 ± 10mm
CABLE / CONNECTOR OVERMOLD COLOR: COOL GRAY PANTONE # 11C
FERRITE TYPE / DIMENSION: 14.2 x 28.5 x 8.2mm
FERRITE # OF TURNS: 1
FERRITE DIMENSION FROM STRAIN RELIEF: 50 ± 10mm
FERRITE DIMENSION FROM PLUG: N/A
PLUG TYPE: BARREL
OVER MOLD ORIENTATION: STRAIGHT
PLUG DIMENSIONS: 5.5 x 2.5 x 11mm
BARREL PLUG INTERNAL SPRING CLIP: NO
BARREL PLUG LOCKING NOTCH: NO
POLARITY: CENTER POSITIVE
STRIP LENGTH: N/A
TIN LENGTH: N/A
ADDITIONAL REQUIREMENTS: N/A



PENDING



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**150 Watts, Universal Input,
Single Output Switchers**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 304)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
4.0 MAXIMUM

INPUT FREQUENCY RANGE:
47HZ TO 63HZ

INRUSH CURRENT:
30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:
+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:
+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:
MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:
HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:
POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:
78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:
25mS MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:
100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:
LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:
-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:
+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:
LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:
PRIMARY TO SECONDARY: 4242VDC
PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:
LINE FUSING FOR ITE GRADE

SAFETY AGENCY APPROVALS: (PENDING)
EN60950, UL60950, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:
CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREGES OF WATER:
IPX0

MODE OF OPERATION:
CONTINUOUS

CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

WEIGHT:

25 LB MAXIMUM

MTBF MIL-HDBK-217F:

200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P753.3 TO 15048-X.X
GT: GLOBTEK SERIES CODE
M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE
9250P: SERIES DESIGNATOR
753.3 TO 15048: 75W 3.3V TO 150W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE
-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL
BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE
EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL: GTM9250P25012-2.0
-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES
F: "F" SYMBOL IS NOT USED IN 150W VERSION, ONLY FOR 250W AND 290W
S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK
M: INPUT AND OUTPUT HEADER ON BOARD
HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.
HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.
HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.

NOTE:

DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAILABLE ONLY FROM 7.5V TO 48V OUTPUTS.

**OUTPUT VOLTAGE / CURRENT:
150 WATTS MODELS, NATURAL CONVECTION**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9250P753.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 22.72	0 - 75
GT-9250P1005.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 20.00	0 - 100
GT-9250P1007.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 13.33	0 - 100
GT-9250P1509.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 16.67	0 - 150
GT-9250P15012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 12.50	0 - 150
GT-9250P15015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 10.00	0 - 150
GT-9250P15018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 8.33	0 - 150
GT-9250P15024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 6.25	0 - 150
GT-9250P15036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 4.17	0 - 150
GT-9250P15048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 3.12	0 - 150

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

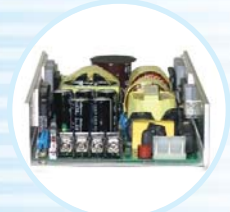
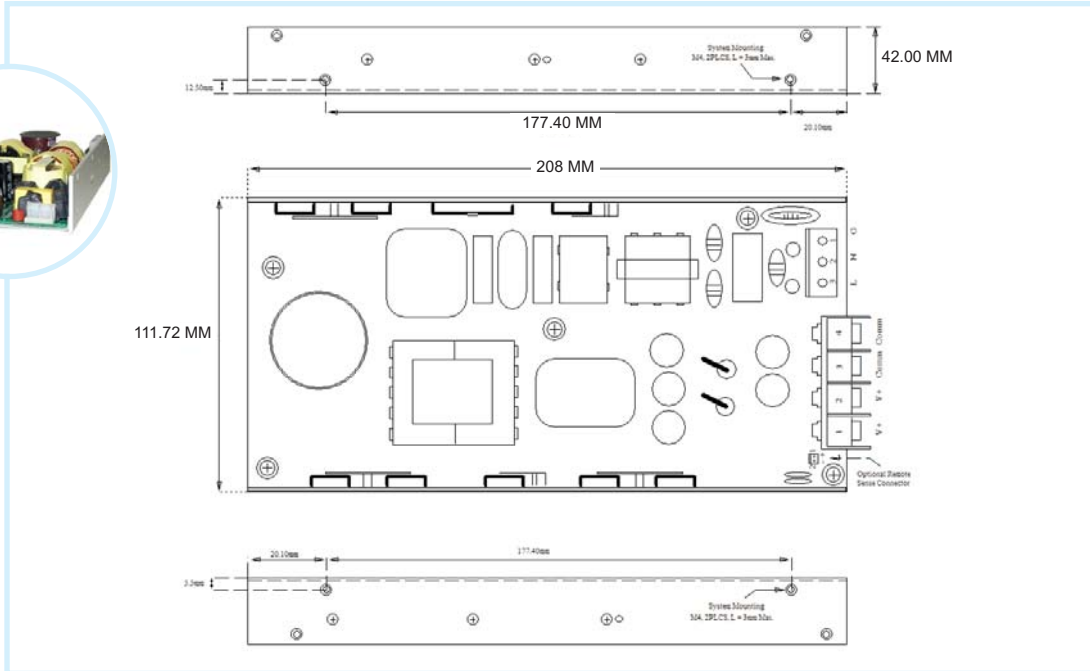


150 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 304)

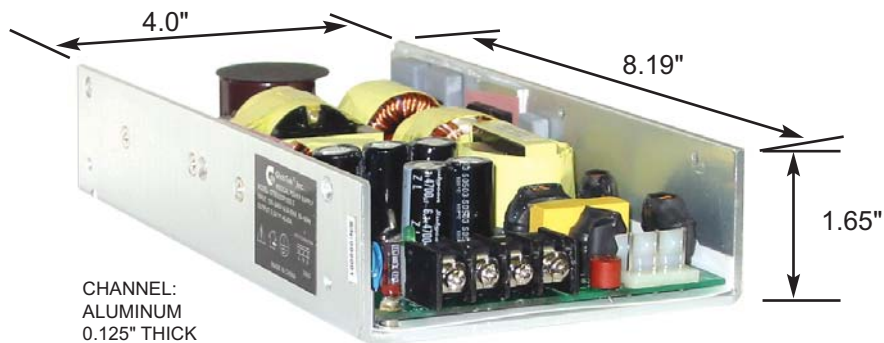


FOR INDOOR USE ONLY



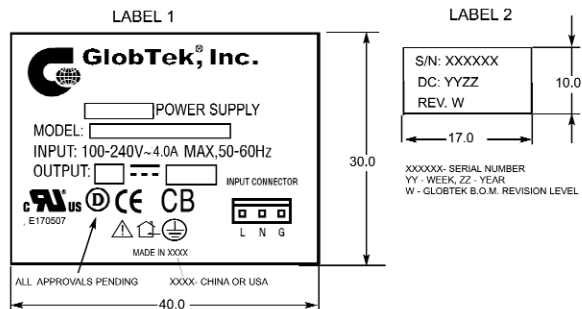
ENCLOSURE

CONFIGURATION:
OPEN FRAME SWITCHING POWER SUPPLY, WITH MOUNTING HOLES POSITIONED AS ABOVE.



- INPUT:**
3 PIN MOLEX FRICTION LOCK HEADER
MOLEX PN: 26-60-4050 WITH PIN
2 + 4 REMOVED MATES
WITH PN: 09-50-3051
PIN 1: GROUND
PIN 3: AC NEUTRAL
PIN 5: AC LINE
- OUTPUT:**
4 PIN TERMINAL BLOCK
PIN 1,2: V+
PIN 3,4: COMM
CON 3: REMOTE SENSE CONNECTOR,
MOLEX 22-28-0020
MATES WITH MOLEX PN: 22-01-2021
PIN 1: +SENSE; PIN2: -SENSE

CHANNEL:
ALUMINUM
0.125" THICK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**150 Watts, Universal Input,
Single Output Switchers**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
4.0 MAXIMUM

INPUT FREQUENCY RANGE:
47HZ TO 63HZ

INRUSH CURRENT:
30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:
+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:
+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:
MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:
HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:
POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:
78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:
25mS MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:
100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:
LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:
-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:
+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:
LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:
PRIMARY TO SECONDARY: 5656VDC
PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:
DUAL FUSING , LINE AND NEUTRAL FOR MEDICAL GRADE

SAFETY AGENCY APPROVALS: (PENDING)
EN60601 AND UL60601, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:
CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREGES OF WATER:
IPX0

MODE OF OPERATION:

CONTINUOUS
CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

WEIGHT:

25 LB MAXIMUM

MTBF MIL-HDBK-217F:

200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P753.3 TO 15048-X.X
GT: GLOBTEK SERIES CODE
M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE
9250P: SERIES DESIGNATOR
753.3 TO 15048: 75W 3.3V TO 150W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE
-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL
BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE
EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL: GTM9250P25012-2.0
-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES
F: "F" SYMBOL IS NOT USED IN 150W VERSION, ONLY FOR 250W AND 290W
S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK
M: INPUT AND OUTPUT HEADER ON BOARD
HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.
NOTE: DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAIL-ABLE ONLY FROM 7.5V TO 48V OUTPUTS.

OUTPUT VOLTAGE / CURRENT:

150 WATTS MODELS, NATURAL CONVECTION

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9250P753.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 22.72	0 - 75
GTM9250P1005.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 20.00	0 - 100
GTM9250P1007.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 13.33	0 - 100
GTM9250P1509.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 16.67	0 - 150
GTM9250P15012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 12.50	0 - 150
GTM9250P15015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 10.00	0 - 150
GTM9250P15018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 8.33	0 - 150
GTM9250P15024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 6.25	0 - 150
GTM9250P15036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 4.17	0 - 150
GTM9250P15048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 3.12	0 - 150

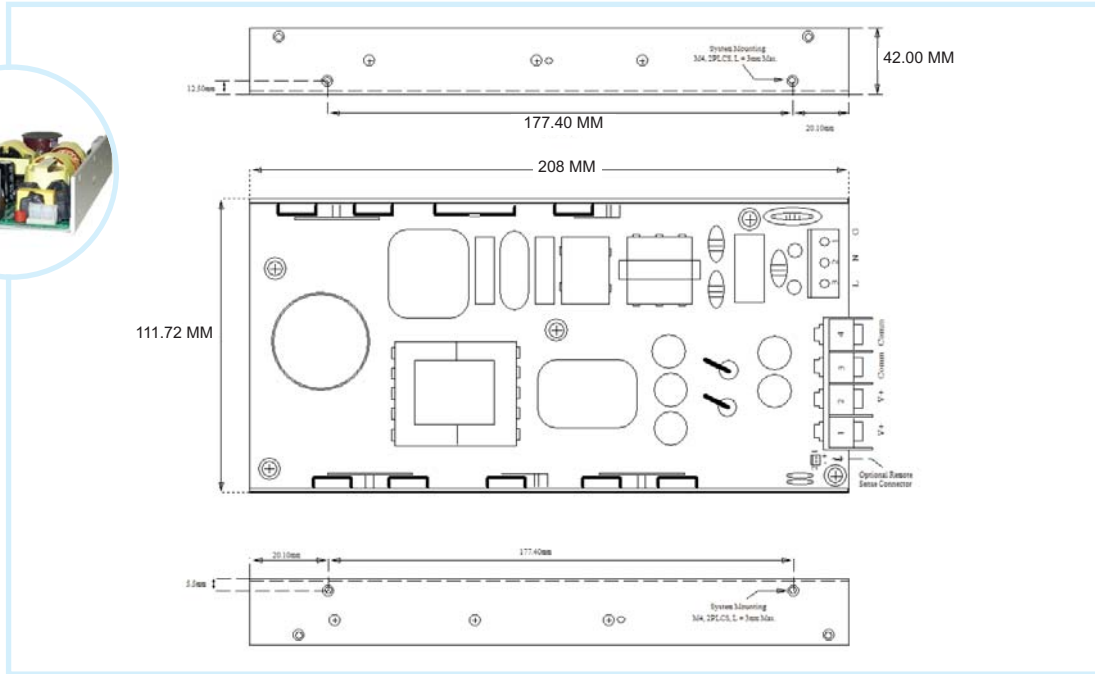
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

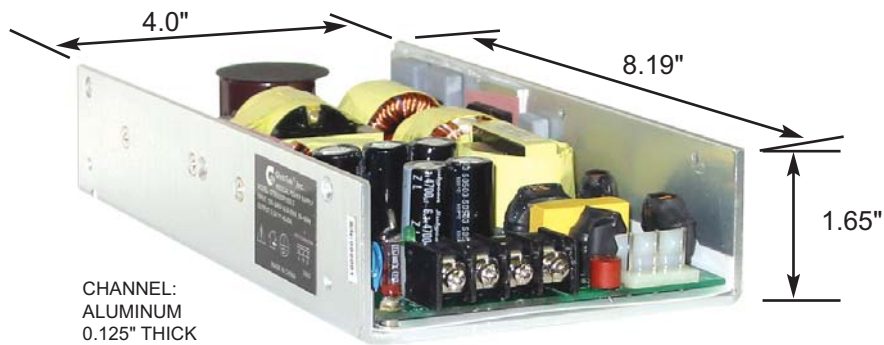
150 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



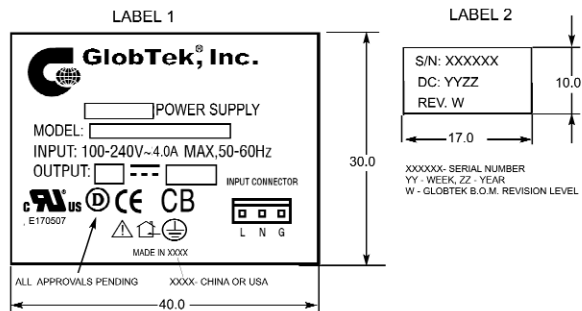
ENCLOSURE

CONFIGURATION:
OPEN FRAME SWITCHING POWER SUPPLY, WITH MOUNTING HOLES POSITIONED AS SHOWN ABOVE.



- INPUT:**
3 PIN MOLEX FRICTION LOCK HEADER
MOLEX PN: 26-60-4050 WITH PIN
2 + 4 REMOVED MATES
WITH PN: 09-50-3051
PIN 1: GROUND
PIN 3: AC NEUTRAL
PIN 5: AC LINE
OUTPUT:
4 PIN TERMINAL BLOCK
PIN 1,2: V+
PIN 3,4: COMM
CON 3: REMOTE SENSE CONNECTOR,
MOLEX 22-28-0020
MATES WITH MOLEX PN: 22-01-2021
PIN 1: +SENSE; PIN2: -SENSE

CHANNEL:
ALUMINUM
0.125" THICK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



150 Watts, Switchmode Power Supply, Single Output Family, Metal Enclosed, Universal Input; ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
90 VAC TO 264 VAC

INPUT CURRENT:
< 2.5 A RMS AT 90 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO LOAD TO FULL LOAD, NO MINIMUM LOAD REQUIRED

OUTPUT POWER (RATED):
150 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
≤ 1% TYPICAL

ADJUSTABILITY:
+10, -5% MAIN OUTPUT

OUTPUT INDICATOR:
GREEN LED, OUTPUT PRESENT

OUTPUT REGULATION (LINE/LOAD):
± 2 % FOR MAIN OUTPUT

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20 mSEC MIN AT NOMINAL INPUT 115 VAC AND FULL LOAD

INRUSH CURRENT:
35 A MAX AT COLD START FOR N.A. (50A FOR EURO)

EFFICIENCY:
80% TYPICAL

SWITCHING FREQUENCY:
100 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
VOLTAGE LIMITED LESS 130% OF NOMINAL VOLTAGE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.3 IO

OTHER PROTECTION:
INPUT FUSING

SAFETY APPROVALS:
ITE MODELS: UR TO UL 60950, C-UR TO 22.2 # 950,
TUV TO EN 60950, CE CLASS I

DIELECTRIC WITHSTAND VOLTAGE:
3000 VAC PRIMARY-SECONDARY;1500 VAC PRIMARY-GROUND

LEAKAGE CURRENT:
< 0.5 mA

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022 AND EN55011, CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND
EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
GREATER THAN 200,000 HOURS AT 25° C AMBIENT
TEMPERATURE

OPERATING TEMPERATURE:
0° C TO 40° C

STORAGE TEMPERATURE:
-40° C TO 80° C

HUMIDITY:

MODEL NUMBER CODE:
RT-3: INTERNAL CODE;
-: ITE MODEL, UL 60950
S150: FAMILY DESIGNATION, SINGLE OUTPUT 150W
(P): POWER FACTOR CORRECTION
03 TO 48: OUTPUT VOLTAGE, DC
PFC: ACTIVE POWER FACTOR CORRECTION

NOTES:

1. EACH OUTPUT CURRENT MAY VARY WITHIN IT'S DESIGNATION RANGE, AS LONG AS OUTPUT POWER IS NOT EXCEEDED.
2. SINGLE OUTPUT UNITS ARE AVAILABLE FROM 3.3V UP TO 48V IN 0.1V INCREMENTS.
3. (X.X) OPTIONAL FOR SPECIFYING OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL. SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE.

**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
RT-3S150-03-X.X	3.3	0 - 30	0 - 100
RT-3S150-05-X.X	5.0	0 - 30	0 - 150
RT-3S150-09-X.X	9.0	0 - 16.7	0 - 150
RT-3S150-12-X.X	12.0	0 - 12.5	0 - 150
RT-3S150-13.5-X.X	13.5	0 - 11	0 - 150
RT-3S150-15-X.X	15.0	0 - 10	0 - 150
RT-3S150-18-X.X	18.0	0 - 8.4	0 - 150
RT-3S150-24-X.X	24.0	0 - 6.3	0 - 150
RT-3S150-48-X.X	48.0	0 - 3.2	0 - 150

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



150 Watts, Switchmode Power Supply, Single Output Family, Metal Enclosed, Universal Input; ITE

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



MECHANICAL DRAWING

UPPER/LOWER HOUSING, HIGH IMPACT PLASTIC, 94VO POLYCARBONATE, NON-VENTED, COLOR BLACK. UNIT HAS NON-SKID POLYURETHANE PADS.

NOTE:

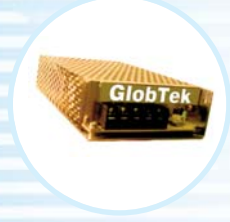
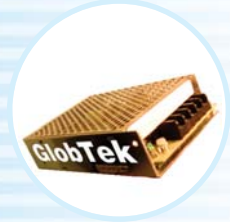
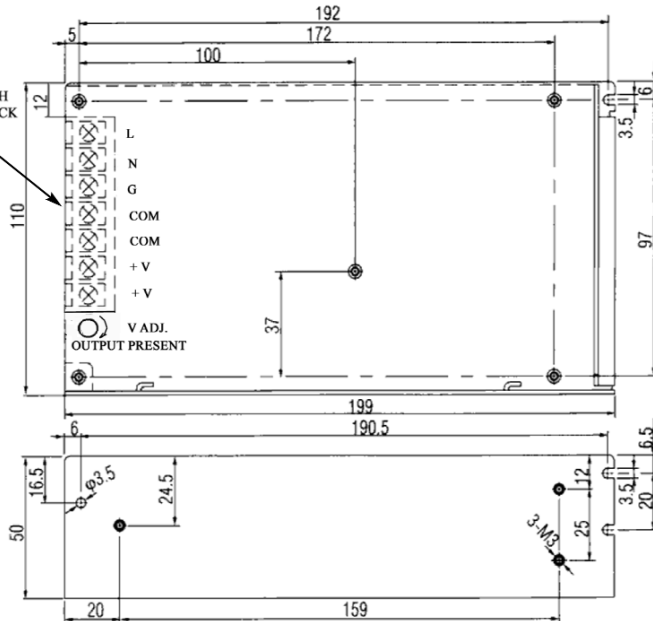
10 MIL 94V-0 FIBER GLASS (2.75X5.15 IN. W/4 HOLES MATCHING MOUNTING HOLE POSITIONS)



INPUT CONNECTOR: CONFIGURATION:

CLASS I MODELS STANDARD:
DESKTOP UNITS: EN60320/C14/3 PINS AC POWER RECEPTACLE WITH MALE PRONGS, COLOR BLACK. NOTE: GROUND WIRE, 18AWG STRANDED, GREEN WITH YELLOW STRIPE JACKET IS CONNECTED BETWEEN GROUND LUG AND COMMON OF Y SAFETY CAPACITORS, INTERNALLY OPTIONAL EARTH GROUND IS CONNECTED TO THE DC OUTPUT RETURN AND OUTPUT CORD DRAIN WIRE (SHIELD).

7P / 9.5 mm PITCH TERMINAL BLOCK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

**200 Watts, Universal Input, Single Output Family,
ITE Switchmodes**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 311)**ELECTRICAL SPECIFICATIONS:****INPUT VOLTAGE:**

100 VAC TO 240 VAC

INPUT CURRENT:

6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:

47 HZ - 63 HZ

OUTPUT CURRENT:NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN
REGULATION**OUTPUT POWER (RATED):**

200 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):

LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):

± 2% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:

± 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):

REMOTE SENSE OPTION FOR TIGHT OUTPUT REGULATION.

TURN ON/ TURN OFF OVERTHOOT:4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP
LOAD**TURN-ON DELAY:**

1 SEC MAX

HOLD-UP TIME:

20ms TYPICAL AT 120VAC, 70ms TYPICAL AT 230VAC

INRUSH CURRENT:

40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:

75 % TYPICAL

POWER FACTOR:

0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:

200 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:OUTPUT LIMITED BETWEEN 130 TO 150% OF NOMINAL LOAD,
HICCUP MODE**OVER-CURRENT / SHORT CIRCUIT:**HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS
BEEN REMOVED**OTHER PROTECTION:**DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND
LINE FUSING FOR ITE GRADE**SAFETY APPROVALS (PENDING):**

EN60950 & UL60950, CB REPORT AND CE MARK

DIELECTRIC WITHSTAND VOLTAGE:5656VDC (4000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND**LEAKAGE CURRENT:**

≤ 300µA AT 240VAC

OUTPUT VOLTAGE / CURRENT:**CLASS I MODELS, PROTECTIVE GROUND****CLASS II MODELS, DOUBLE INSULATED****LINE SURGE:**

EN 61000-4-5 LEVEL 4

EMI:COMPLIES WITH EN55022, CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE
LOAD, BOTH CONDUCTED AND RADIATED**CE MARK:**TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3,
AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.**MTBF:**

200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:

0° TO 40°C

STORAGE TEMPERATURE:

-40°C TO 85°C

HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:

GT: INTERNAL CODE;

-: ITE MODEL, UL 60950

(P): POWER FACTOR CORRECTION, OPTIONAL

0803.3 TO 20048: OUTPUT POWER / OUTPUT VOLTAGE

F: OPEN FRAME OR B: PCB MOUNTED

-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE
INSULATED**NOTES:**

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMICONDUCTOR CASE SHOULD EXCEED 130C
- 5) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID OSCILLATION OF THE POWER SUPPLY.
- 6) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 7) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 8) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-(P)9200-0752.5	+2.50	0 - 30.00	0 - 75
GT-(P)9200-0993.3-X.X	+3.30	0 - 30.00	0 - 99
GT-(P)9200-20005-X.X	+5.00	0 - 40.00	0 - 200
GT-(P)9200-20006-X.X	+6.00	0 - 33.33	0 - 200
GT-(P)9200-2007.5-X.X	+7.50	0 - 26.67	0 - 200
GT-(P)9200-20009-X.X	+9.00	0 - 22.22	0 - 200
GT-(P)9200-20012-X.X	+12.0	0 - 16.67	0 - 200
GT-(P)9200-20013.5-X.X	+13.50	0 - 14.81	0 - 200

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**200 Watts, Universal Input, Single Output Family,
ITE Switchmodes**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 311)

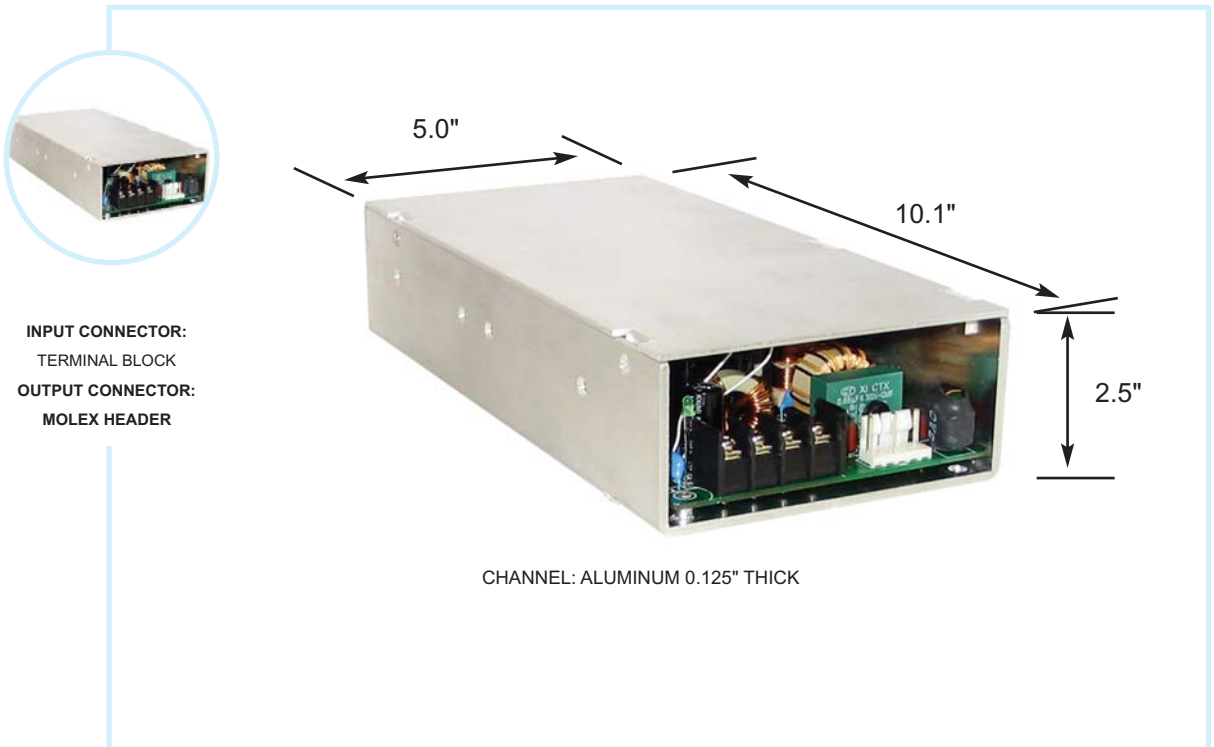


**OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-(P)9200-20013.8-X.X	+13.80	0 - 14.49	0 - 200
GT-(P)9200-20015-X.X	+15.0	0 - 13.33	0 - 200
GT-(P)9200-20018-X.X	+18.0	0 - 11.11	0 - 200
GT-(P)9200-20024-X.X	+24.0	0 - 8.33	0 - 200
GT-(P)9200-20036-X.X	+36.0	0 - 5.56	0 - 200
GT-(P)9200-20048-X.X	+48.0	0 - 4.17	0 - 200

ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOW BELOW.



INPUT CONNECTOR:
TERMINAL BLOCK
OUTPUT CONNECTOR:
MOLEX HEADER



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**200 Watts, Universal Input, Single Output Family,
Medical Grade Switchmodes**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
200 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
± 2% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):
REMOTE SENSE OPTION FOR TIGHT OUTPUT REGULATION.

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20mS TYPICAL AT 120VAC, 70mS TYPICAL AT 230VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
75 % TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
200 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 150% OF NOMINAL LOAD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS (PENDING):
EN60601.1 AND UL60601.1, CB REPORT AND CE MARK

DIELECTRIC WITHSTAND VOLTAGE:
5656VDC (4000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
≤ 300uA AT 240VAC

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55011, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GT: INTERNAL CODE;
M: MEDICAL MODEL, UL 2601-1
(P): POWER FACTOR CORRECTION, OPTIONAL
0803.3 TO 20048: OUTPUT POWER / OUTPUT VOLTAGE
F: OPEN FRAME OR B: PCB MOUNTED
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMICONDUCTOR CASE SHOULD EXCEED 130C
- 5) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID OSCILLATION OF THE POWER SUPPLY.
- 6) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 7) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 8) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM(P)9200-0752.5	+2.50	0 - 30.00	0 - 75
GTM(P)9200-0993.3-X.X	+3.30	0 - 30.00	0 - 99
GTM(P)9200-20005-X.X	+5.00	0 - 40.00	0 - 200
GTM(P)9200-20006-X.X	+6.00	0 - 33.33	0 - 200
GTM(P)9200-2007.5-X.X	+7.50	0 - 26.67	0 - 200
GTM(P)9200-20009-X.X	+9.00	0 - 22.22	0 - 200
GTM(P)9200-20012-X.X	+12.0	0 - 16.67	0 - 200
GTM(P)9200-20013.5-X.X	+13.50	0 - 14.81	0 - 200

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM9200 SERIES-200W



200 Watts, Universal Input, Single Output Family, Medical Grade Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

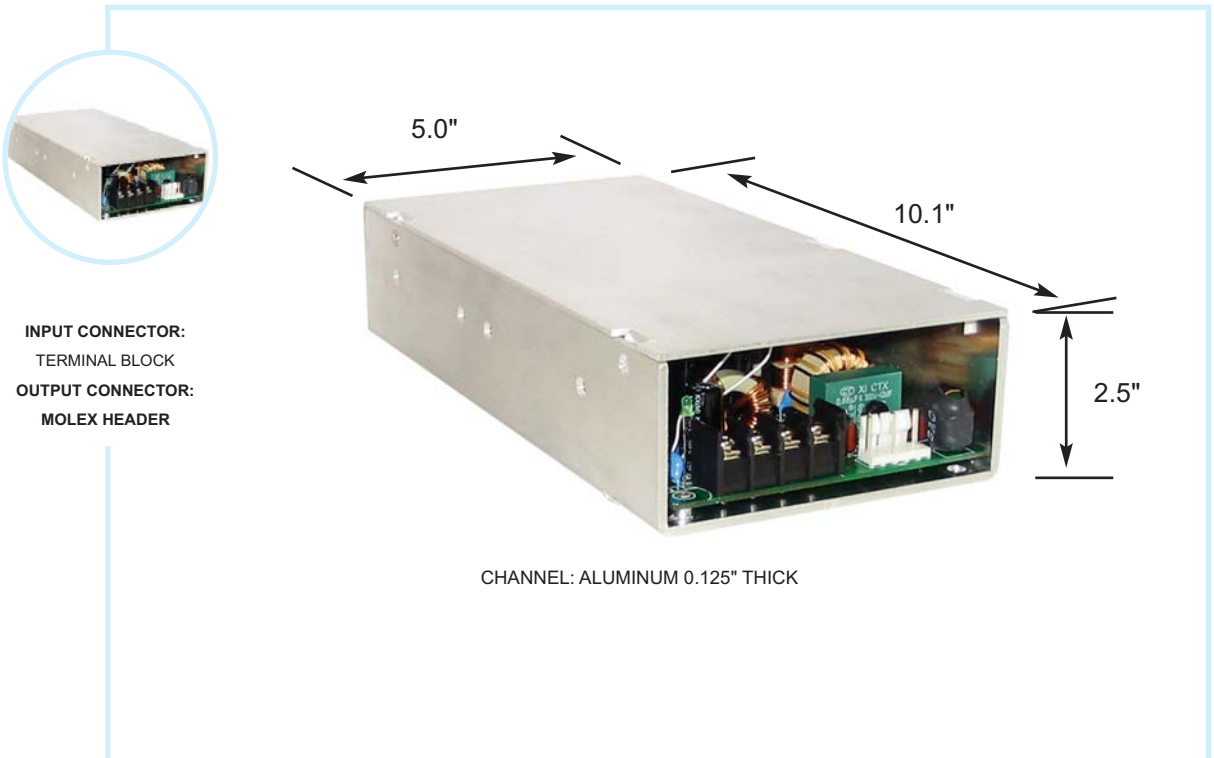


OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM(P)9200-20013.8-X.X	+13.80	0 - 14.49	0 -
200GTM(P)9200-20015-X.X	+15.0	0 - 13.33	0 - 200
GTM(P)9200-20018-X.X	+18.0	0 - 11.11	0 - 200
GTM(P)9200-20024-X.X	+24.0	0 - 8.33	0 - 200
GTM(P)9200-20036-X.X	+36.0	0 - 5.56	0 - 200
GTM(P)9200-20048-X.X	+48.0	0 - 4.17	0 - 200

ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOW BELOW.



INPUT CONNECTOR:
TERMINAL BLOCK
OUTPUT CONNECTOR:
MOLEX HEADER

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



Switcher, 200 Watt, Family, Single Output, Open Frame Universal Input, ITE, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 315)

ELECTRICAL SPECIFICATIONS:

INPUT RANGE:

90-264 VAC

INPUT LINE FREQUENCY:

47-63Hz

INPUT CURRENT:

<3.2A RMS @ 90VAC

INRUSH CURRENT:

40A TYPICAL, COLD START @ 25°C

EFFICIENCY:

80% TYPICAL AT FULL LOAD

POWER FACTOR:

0.99 TYPICAL

TURN-ON DELAY:

2 SECOND TYPICAL @ 115VAC NOMINAL LINE

INPUT LINE PROTECTION:

MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD

SOFT START:

STANDARD ON ALL MODELS

MAXIMUM POWER:

200 WATTS WITH FREE AIR CONVECTION COOLING

ADJUSTMENT RANGE:

± 10%

LOAD REGULATION:

± 2% MEASURED AT THE CONNECTOR SIDE

LINE REGULATION:

± 0.5% MEASURED AT THE CONNECTOR SIDE

HIGH FREQUENCY RIPPLE:

1% OF OUTPUT VOLTAGE, PEAK TO PEAK

TURN ON/OFF OVERSHOOT:

5% MAXIMUM, 1ms RECOVERY TIME

HOLD-UP TIME:

20 mS @ 200W LOAD, 115VAC NOMINAL LINE

TRANSIENT RESPONSE:

1ms RECOVERY TO WITHIN 1% OF THE REGULATION BAND WITH NO MORE THAN 5% OUTPUT VOLTAGE DEVIATION @ 50% LOAD STEP.

OVERLOAD PROTECTION:

PROTECTED @ 115-130% OF FULL LOAD RATING FOLD BACK

SHORT CIRCUIT:

FOLDBACK, AUTORECOVER UPON REMOVAL OF SHORT

OVERVOLTAGE:

10% TO 20% ABOVE NOMINAL OUTPUT, LATCH

INDICATOR:

GREEN LED FOR OUTPUT PRESENCE

FAN OUTPUT:

12V @ 0.15A (UNREGULATED)

MODEL DESCRIPTION:

GT-9200P1323.3-X.X TO 20048-X.X

GT: GLOBTEK SERIES

"-" (DASH) FOR

ITE GRADE

9200: FAMILY DESIGNATOR

1323.3 TO 20048: 132W 3.3V TO 200W 48V OUTPUT

POWER OUTPUT VOLTAGE

X.X: OUTPUT VOLTAGE DEVIATION FROM STANDARD

MODEL BY SUBTRACTING X.X VOLT FROM STANDARD OUTPUT VOLTAGE.

S: INPUT HEADER AND OUTPUT METAL TERMINAL ON BOARD.

R: IEC INPUT RECEPTACLE AND OUTPUT METAL TERMINAL ON BOARD.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM LENGTH FOR INPUT IS 100MM AND 200MM FOR OUTPUT).

HORXXX: IEC INPUT RECEPTACLE ON BOARD AND OUTPUT WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE LENGTH FOR OUTPUT IS 200MM).

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE LENGTH FOR OUTPUT IS 200MM).

HIXXX: INPUT WIRE HARNESS. OUTPUT METAL TERMINAL ON BOARD. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM WIRE LENGTH FOR INPUT IS 100MM).

REMOTE ON/OFF:

OPEN, INHIBITS OUTPUT.

DC POWER GOOD:

TTL LOGIC GOES HIGH AFTER THE OUTPUT IS IN REGULATION. IT GOES LOW WHEN THERE IS LOSS OF REGULATION.

REMOTE SENSE:

COMPENSATE FOR 0.5V LEAD DROP. WILL OPERATE WITHOUT REMOTE SENSE CONNECTION.

TEMPERATURE COEFFICIENT:

± 0.02% PER °C, TYPICAL

OPERATING TEMPERATURE:

0° TO 50°C FOR MODELS WITH OUTPUT <12V

0° TO 60°C FOR MODELS WITH OUTPUT ≥12V

STORAGE TEMPERATURE:

-40° TO 85°C

RELATIVE HUMIDITY:

OPERATING; 0-90% NON-CONDENSING

ALTITUDE:

UP TO 10000 FEET

RANDOM VIBRATION/TRANSIENT DROP:

MIL-STD 810E

MTBF:

>200,000 HOURS @ 25° AMBIENT TEMPERATURE, FULL LOAD, NOMINAL LINE, MIL-217 STD.

SAFETY:

HIPOT (PRI-SEC) 4242 VDC FOR ITE VERSION

5656 VDC FOR MEDICAL VERSION

EARTH LEAKAGE:

< 0.3mA @ 50/60Hz, 264 VAC INPUT

APPROVAL:

UL60950-1 (3RD EDITION), CUL TO 22.2 NO. 60950-1, CB REPORT, DEMKO TO EN60950-1

EMI:

EN55022 CLASS B AND FCC PART 15, TESTED WITH RESISTIVE LOAD.

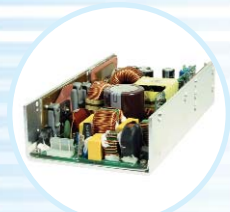
CE MARK:

EN61000-3-2, EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4

NOTES:

1. ALL MEASUREMENTS ARE MADE DIRECTLY AT THE TERMINALS OF THE SUPPLY.
2. OUTPUT RIPPLE AND SPIKE ARE MEASURED DIRECTLY AT THE OUTPUT TERMINALS OF THE POWER SUPPLY WITH 10µF TANTALUM AND 0.1µF CERAMIC CAPACITORS CONNECTED IN PARALLEL. PEAK-TO-PEAK METERING EQUIPMENT MUST HAVE A 20 MHz FREQUENCY RESPONSE WITH PROBES AND CABLES THAT MAINTAIN A FREQUENCY RESPONSE OF 20Hz TO 20MHz. OUTPUT RIPPLE SPECS OF 3.3V AND 5V MODELS IS 2% OF RESPECTIVE OUTPUT VOLTAGE.
3. CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOAD SET TO FULL. PSU AND RESISTIVE LOAD WERE MOUNTED TOGETHER IN A 30 x 30 x 3 mm ALUMINUM PLATE.
4. REMOTE SENSE WIRE SHOULD BE TWISTED TOGETHER WHEN USED.
5. ALL MEASUREMENTS ARE MADE AT 25°C AMBIENT TEMPERATURE AND ARE TYPICAL.
6. MOUNTING MAXIMUM INSERTION DEPTH IS 3MM.
7. GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
8. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.





ISO 9001:2008
REGISTERED



**Switcher, 200 Watt, Family, Single Output,
Open Frame Universal Input, ITE, Class I**

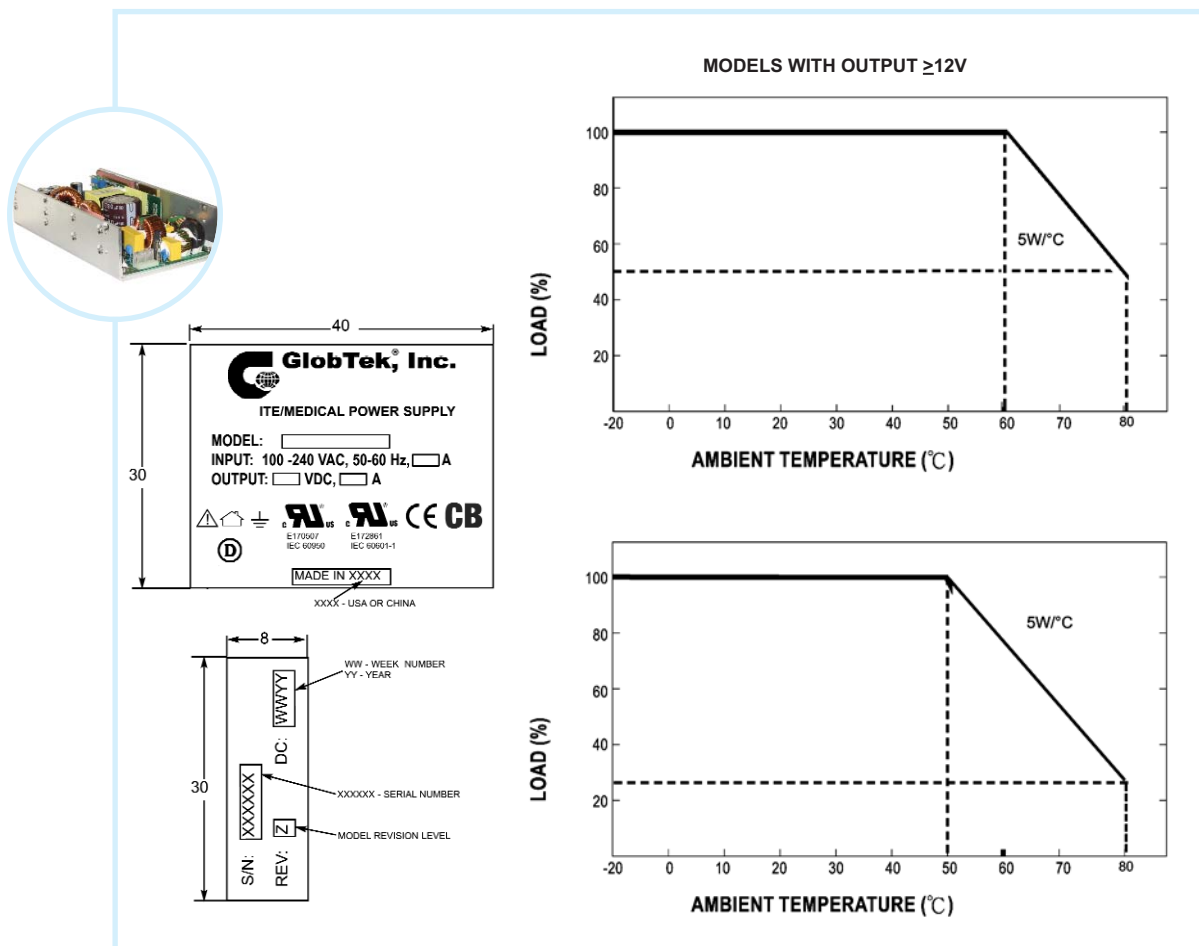
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 315)



**OUTPUT VOLTAGE / CURRENT:
200 WATTS MODELS, NATURAL CONVECTION**

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9200P1323.3-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+3.30	0 - 40.00	0 - 132
GT-9200P2005-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+5.00	0 - 40.00	0 - 200
GT-9200P2007.5-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+7.50	0 - 26.67	0 - 200
GT-9200P2009-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+9.00	0 - 22.22	0 - 200
GT-9200P20012-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+12.00	0 - 16.67	0 - 200
GT-9200P20015-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+15.00	0 - 13.33	0 - 200
GT-9200P20018-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+18.00	0 - 11.11	0 - 200
GT-9200P20024-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+24.00	0 - 8.33	0 - 200
GT-9200P20036-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+36.00	0 - 5.55	0 - 200
GT-9200P20048-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+48.00	0 - 4.17	0 - 200

OUTPUT DERATING



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**Switcher, 200 Watt, Family, Single Output,
Open Frame Universal Input, Medical, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ELECTRICAL SPECIFICATIONS:

INPUT RANGE:

90-264 VAC

INPUT LINE FREQUENCY:

47-63Hz

INPUT CURRENT:

<3.2A RMS @ 90VAC

INRUSH CURRENT:

40A TYPICAL, COLD START @ 25°C

EFFICIENCY:

80% TYPICAL AT FULL LOAD

POWER FACTOR:

0.99 TYPICAL

TURN-ON DELAY:

2 SECOND TYPICAL @ 115VAC NOMINAL LINE

INPUT LINE PROTECTION:

MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD

SOFT START:

STANDARD ON ALL MODELS

MAXIMUM POWER:

200 WATTS WITH FREE AIR CONVECTION COOLING

ADJUSTMENT RANGE:

± 10%

LOAD REGULATION:

± 2% MEASURED AT THE CONNECTOR SIDE

LINE REGULATION:

± 0.5% MEASURED AT THE CONNECTOR SIDE

HIGH FREQUENCY RIPPLE:

1% OF OUTPUT VOLTAGE, PEAK TO PEAK

TURN ON/OFF OVERTHOOT:

5% MAXIMUM, 1ms RECOVERY TIME

HOLD-UP TIME:

20 mS @ 200W LOAD, 115VAC NOMINAL LINE

TRANSIENT RESPONSE:

1ms RECOVERY TO WITHIN 1% OF THE REGULATION BAND WITH NO MORE THAN 5% OUTPUT VOLTAGE DEVIATION @ 50% LOAD STEP.

OVERLOAD PROTECTION:

PROTECTED @ 115-130% OF FULL LOAD RATING FOLD BACK

SHORT CIRCUIT:

FOLDBACK, AUTORECOVER UPON REMOVAL OF SHORT

OVERVOLTAGE:

10% TO 20% ABOVE NOMINAL OUTPUT, LATCH

INDICATOR:

GREEN LED FOR OUTPUT PRESENCE

FAN OUTPUT:

12V @ 0.15A (UNREGULATED)

MODEL DESCRIPTION:

GTM9200P1323.3-X.X TO 20048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE

9200: FAMILY DESIGNATOR

1323.3 TO 20048: 132W 3.3V TO 200W 48V OUTPUT

POWER OUTPUT VOLTAGE

X.X: OUTPUT VOLTAGE DEVIATION FROM STANDARD

MODEL BY SUBTRACTING X.X VOLT FROM STANDARD

OUTPUT VOLTAGE.

S: INPUT HEADER AND OUTPUT METAL TERMINAL

ON BOARD.

R: IEC INPUT RECEPTACLE AND OUTPUT METAL TERMINAL

ON BOARD.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. WHERE XXX

CAN BE FROM 000 TO 999 (MAXIMUM LENGTH FOR INPUT IS

100MM AND 200MM FOR OUTPUT).

HORXXX: IEC INPUT RECEPTACLE ON BOARD AND OUTPUT

WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE LENGTH FOR OUTPUT IS 200MM).

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE

HARNESS. WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE LENGTH FOR OUTPUT IS 200MM).

HIXXX: INPUT WIRE HARNESS. OUTPUT METAL TERMINAL ON

BOARD. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM

WIRE LENGTH FOR INPUT IS 100MM).

REMOTE ON/OFF:

OPEN, INHIBITS OUTPUT.

DC POWER GOOD:

TTL LOGIC GOES HIGH AFTER THE OUTPUT IS IN REGULATION. IT GOES LOW WHEN THERE IS LOSS OF REGULATION.

REMOTE SENSE:

COMPENSATE FOR 0.5V LEAD DROP. WILL OPERATE WITHOUT REMOTE SENSE CONNECTION.

TEMPERATURE COEFFICIENT:

± 0.02% PER °C, TYPICAL

OPERATING TEMPERATURE:

0° TO 50°C FOR MODELS WITH OUTPUT <12V

0° TO 60°C FOR MODELS WITH OUTPUT ≥12V

STORAGE TEMPERATURE:

-40° TO 85°C

RELATIVE HUMIDITY:

OPERATING; 0-90% NON-CONDENSING

ALTITUDE:

UP TO 10000 FEET

RANDOM VIBRATION/TRANSIENT DROP:

MIL-STD 810E

MTBF:

>200,000 HOURS @ 25° AMBIENT TEMPERATURE, FULL LOAD, NOMINAL LINE, MIL-217 STD.

SAFETY:

HIPOT (PRI-SEC)

5656 VDC

EARTH LEAKAGE:

< 0.3mA @ 50/60Hz, 264 VAC INPUT

APPROVAL:

UL60601-1, CUL TO 22.2 NO. 60601-1, CB REPORT, DEMKO TO EN60601-1.

EMI:

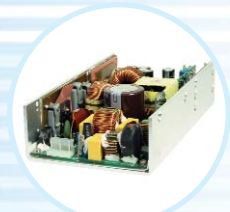
EN55022 CLASS B AND FCC PART 15, TESTED WITH RESISTIVE LOAD.

CE MARK:

EN61000-3-2, EN61000-3-3 AND EN55082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4

NOTES:

1. MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT.
2. ALL MEASUREMENTS ARE MADE DIRECTLY AT THE TERMINALS OF THE SUPPLY.
3. OUTPUT RIPPLE AND SPIKE ARE MEASURED DIRECTLY AT THE OUTPUT TERMINALS OF THE POWER SUPPLY WITH 10µF TANTALUM AND 0.1µF CERAMIC CAPACITORS CONNECTED IN PARALLEL. PEAK-TO-PEAK METERING EQUIPMENT MUST HAVE A 20 MHz FREQUENCY RESPONSE WITH PROBES AND CABLES THAT MAINTAIN A FREQUENCY RESPONSE OF 20Hz TO 20MHz. OUTPUT RIPPLE SPECS OF 3.3V AND 5V MODELS IS 2% OF RESPECTIVE OUTPUT VOLTAGE.
4. CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOAD SET TO FULL. PSU AND RESISTIVE LOAD WERE MOUNTED TOGETHER IN A 30 x 30 x 3 mm ALUMINUM PLATE.
5. REMOTE SENSE WIRE SHOULD BE TWISTED TOGETHER WHEN USED.
6. ALL MEASUREMENTS ARE MADE AT 25°C AMBIENT TEMPERATURE AND ARE TYPICAL.
7. MOUNTING MAXIMUM INSERTION DEPTH IS 3MM.
8. GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.





Switcher, 200 Watt, Family, Single Output, Open Frame Universal Input, Medical, Class I

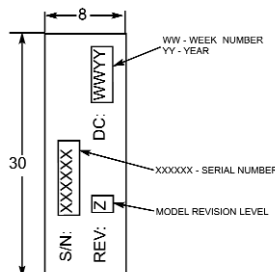
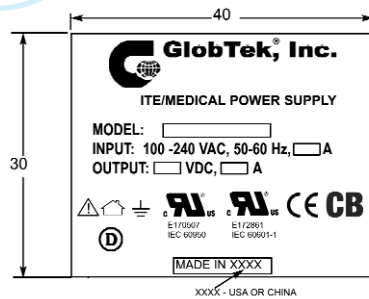
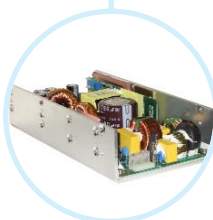
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



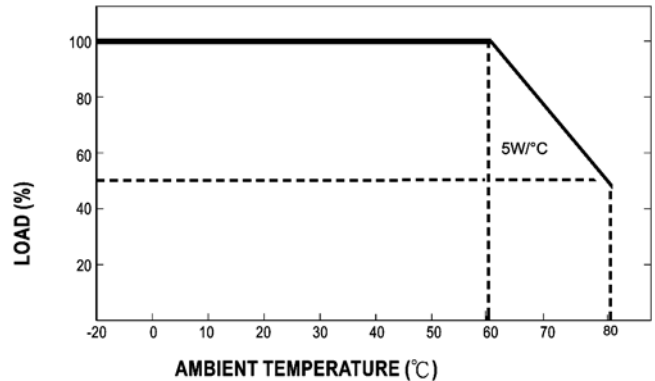
**OUTPUT VOLTAGE / CURRENT:
200 WATTS MODELS, NATURAL CONVECTION**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9200P1323.3-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+3.30	0 - 40.00	0 - 132
GTM9200P2005-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+5.00	0 - 40.00	0 - 200
GTM9200P2007.5-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+7.50	0 - 26.67	0 - 200
GTM9200P2009-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+9.00	0 - 22.22	0 - 200
GTM9200P20012-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+12.00	0 - 16.67	0 - 200
GTM9200P20015-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+15.00	0 - 13.33	0 - 200
GTM9200P20018-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+18.00	0 - 11.11	0 - 200
GTM9200P20024-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+24.00	0 - 8.33	0 - 200
GTM9200P20036-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+36.00	0 - 5.55	0 - 200
GTM9200P20048-X.X [S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	+48.00	0 - 4.17	0 - 200

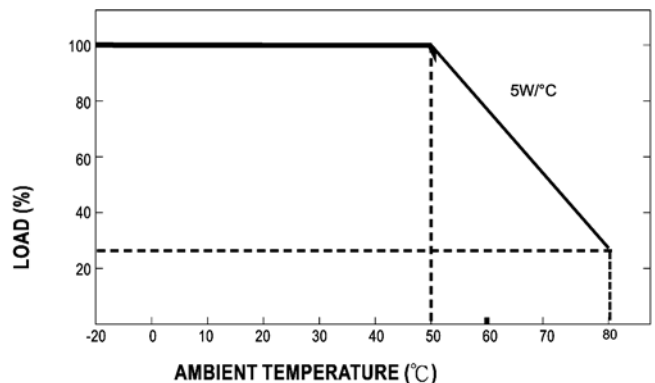
OUTPUT DERATING



MODELS WITH OUTPUT ≥12V



MODELS WITH OUTPUT <12V



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

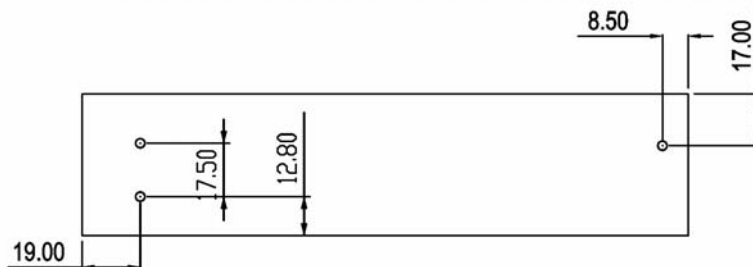
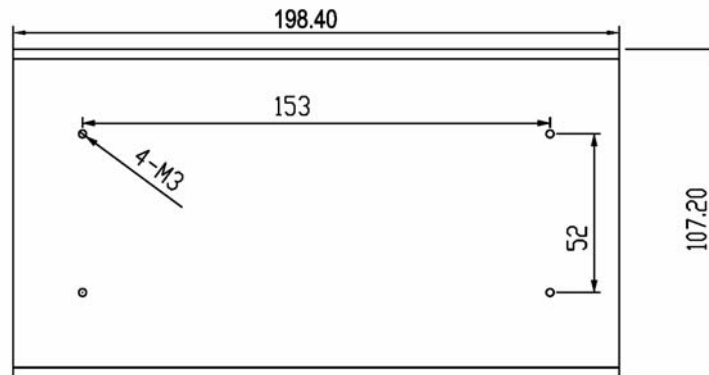
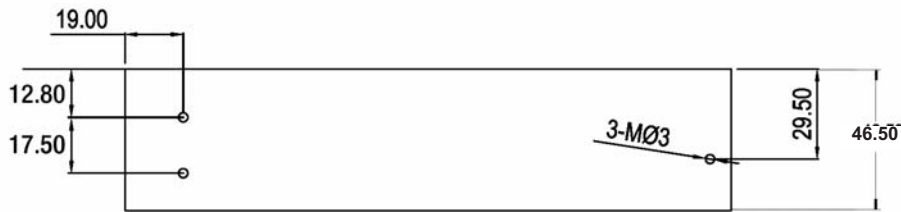
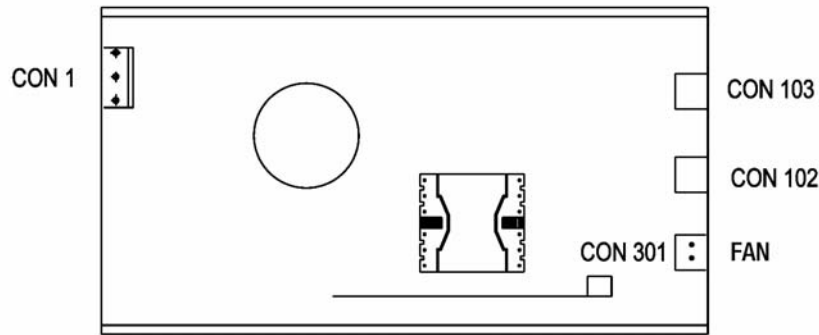


**Switcher, 200 Watt, Family, Single Output,
Open Frame Universal Input, Medical, Class I**

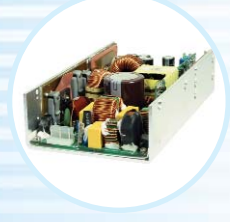
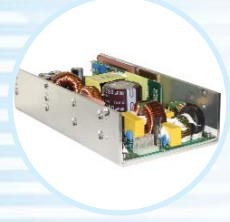
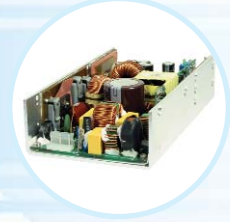
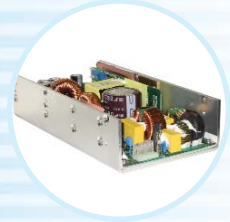
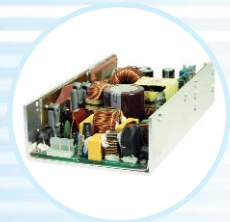
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MECHANICAL SPECIFICATION

SIZE: 198.40 x 107.20 x 46.50 mm



PIN ASSIGNMENTS:
 CON1: (PIN 1: EARTH,
 PIN 3: LIVE, PIN 5: NEUTRAL)
 MOLEX P/N 26-62-4051
 (FOR S and HOXXX versions)
 MOLEX P/N 09-50-3051, CRIMP
 TERMINAL P/N 08-52-0071 (FOR
 HIXXX and HIOXXX versions)
 INALWAYS P/N 0707-1
 (FOR VERSIONS R and HORXXX)
 CON102 (POSITIVE),
 CON103 (COMMON):
 M4X6 SCREW TERMINAL
 (FOR S, R and HIXXX versions)
 MOLEX P/N 39-01-2165 (FOR
 HIOXXX, HIXXX, HOXXX and
 HORXXX versions)
MATING CONNECTORS:
 CON1:
 MOLEX P/N 09-50-3051, CRIMP
 TERMINAL P/N 08-52-0071
 (FOR VERSIONS S and HOXXX)
 MOLEX P/N 26-62-4051
 (FOR VERSIONS HIXXX and
 HIOXXX)
 CON102 / CON103:
 MOLEX P/N 39-28-8160, CRIMP
 TERMINAL P/N 44485-1211
 (FOR VERSIONS HIOXXX, HIXXX,
 HOXXX and HORXXX)





ISO 9001:2008
REGISTERED

GTM91110P240 - FAMILY



Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



 FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT RANGE:

90-264 VAC OR 130VDC TO 320 VDC(SEE NOTE 8 FOR DC INPUT)

INPUT LINE FREQUENCY:

47-63Hz, 380-420Hz

INPUT CURRENT:

4A RMS MAXIMUM @ 90VAC, 2.5A MAXIMUM FOR DC INPUT

INRUSH CURRENT:

60A MAXIMUM, COLD START @ 25°C, 115VAC INPUT, 120A AT 240VAC LOAD

EFFICIENCY:

85% TYPICAL AT FULL LOAD, 230Vac INPUT

POWER FACTOR:

0.99 TYPICAL AT FULL LOAD, 230Vac INPUT

TURN-ON DELAY:

5 SECONDS MAXIMUM @ 115VAC INPUT

INPUT LINE PROTECTION:

MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD

SOFT START:

STANDARD ON ALL MODELS

OUTPUT

MAXIMUM POWER:

240 WATTS MAXIMUM WITH 20 CFM AIRFLOW OPEN FRAME VERSION

150 WATTS MAXIMUM WITH CONVECTION COOLING OPEN FRAME VERSION

200 WATTS MAXIMUM WITH 20 CFM AIRFLOW WITH PERFORATED ENCLOSURE VERSION

80 WATTS MAXIMUM WITH CONVECTION COOLING WITH PERFORATED ENCLOSURE VERSION

LOAD REGULATION:

± 2% MEASURED AT THE CONNECTOR SIDE

LINE REGULATION:

± 0.5% MEASURED AT THE CONNECTOR SIDE

OUTPUT RIPPLE VOLTAGE:

+/-1% MAXIMUM OF NOMINAL OUTPUT VOLTAGE

(PEAK TO PEAK):

MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END OF THE OUTPUT CONNECTOR.

TURN ON/OFF OVERTHOOT:

5% MAXIMUM, 1mS RECOVERY TIME

HOLD-UP TIME:

8 mS @ 240W LOAD, 10mS@200W LOAD, 16mS@150W LOAD AT 115VAC INPUT

TRANSIENT RESPONSE:

2% MAXIMUM DEVIATION, RETURNS TO INITIAL CONDITION IN 3 ms MAX. FOR 25% STEP LOAD FROM 10% TO 100% OF RATED LOAD.

OVERLOAD PROTECTION:

PROTECTED BETWEEN 120-200% OF FULL LOAD RATING CONSTANT CURRENT PROTECTION TYPE, AUTORECOVER UPON REMOVAL OF OVERLOAD

SHORT CIRCUIT:

PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF SHORT

OVERVOLTAGE:

PROTECTED. 120- 180% OF NOMINAL OUTPUT, LATCHED TYPE. AC CYCLING REQUIRED TO RESTORE OUTPUT. AUTORECOVERY TYPE IS AN OPTION.

REMOTE SENSE(OPTIONAL):

COMPENSATE FOR UP TO 0.5V LEAD VOLTAGE DROP. POWER SUPPLY WILL OPERATE WITHOUT REMOTE SENSE CONNECTION.

INDICATOR:

GREEN LED FOR OUTPUT PRESENCE

FAN VOLTAGE:

12V, 200 mA MAXIMUM. OTHER VOLTAGES FROM 5V TO 48V AVAILABLE FOR MAXIMUM OF 2.4W

ENVIRONMENTAL

OPERATING TEMPERATURE:

0° TO 70°C . DERATE OUTPUT POWER ACCORDING TO CURVE BELOW.

COOLING FOR 240W AND 200W VERSIONS:

20 CFM AIRFLOW REQUIRED. AIRFLOW MUST BE IN THE DIRECTION FACING THE BULK CAPACITOR C1. NO SEMICONDUCTOR TO EXCEED 120°C IN CASE TEMPERATURE.

COOLING FOR 150W AND 80W VERSIONS:

CONVECTION COOLING. NO SEMICONDUCTOR TO EXCEED 130°C IN CASE TEMPERATURE

STORAGE TEMPERATURE:

-40° TO 85°C

RELATIVE HUMIDITY:

OPERATING; 0-90% NON-CONDENSING

ALTITUDE:

UP TO 2000 METERS

RANDOM VIBRATION/TRANSIENT DROP:

MIL-STD 810E

MTBF:

200,000 HOURS @ 25° AMBIENT TEMPERATURE, NOMINAL LINE, FULL LOAD. MIL-217 STD.

SAFETY

HIPOT (PRI-SEC):

4242 VDC PRIMARY TO SECONDARY FOR ITE VERSION
5656 VDC PRIMARY TO SECONDARY FOR MEDICAL VERSION
2121 VDC SECONDARY TO EARTH GROUND FOR BOTH MEDICAL AND ITE VERSIONS

EARTH LEAKAGE:

< 250 uA @ 50Hz, 264 VAC INPUT
< 125 uA @ 60Hz, 132 VAC INPUT

APPROVALS (PENDING)

ITE VERSION:

UL60950-1 (3RD EDITION), CUL TO 22.2 NO. 60950-1, CB REPORT, DEMKO TO EN60950-1

MEDICAL VERSION:

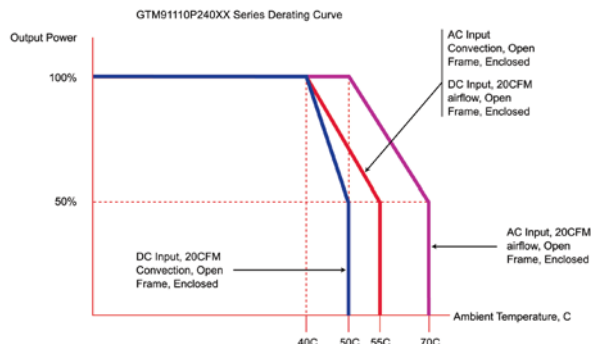
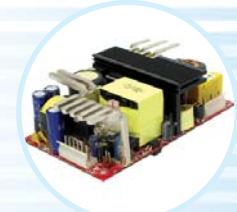
EN60601-1, CUL TO 22.2 NO. 60601-1, CB REPORT, DEMKO TO EN60601-1

EMI ('CE' MARK):

EN 55022, EN55024, EN60601-1-2, FCC PART 15B, EN61000-3-2, EN61000-3-3, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11. TESTED WITH RESISTIVE LOAD.

ROHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

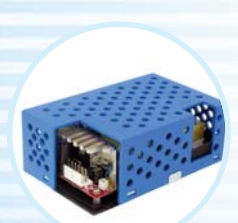
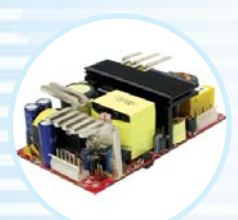


Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



STANDARD MODEL NUMBER FOR OPEN FRAME VERSION	OUTPUT VOLTAGE*	MINIMUM LOAD**	MAXIMUM LOAD WITHOUT AIRFLOW	MAXIMUM LOAD WITH 20CFM AIRFLOW
GT(M)91110P24012-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	12	0.2A	12.5A	20A
GT(M)91110P24015-XX-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	15	0.2A	10.0A	16A
GT(M)91110P24018-XX-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	18	0.2A	8.33A	13.3A
GT(M)91110P24024-XX-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	24	0.1A	6.25A	10A
GT(M)91110P24036-XX-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	36	0.1A	4.17A	6.7A
GT(M)91110P24048-XX-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	48	0.1A	3.12A	5.0A
GT(M)91110P24055-XX-FA(W)-S or -HI0XX or -H0XXX or -HIXXX	55	0.1A	2.72A	4.36A

STANDARD MODEL NUMBER FOR PERFORATED ENCLOSURE VERSION	OUTPUT VOLTAGE*	MINIMUM LOAD**	MAXIMUM LOAD WITHOUT AIRFLOW	MAXIMUM LOAD WITH 20CFM AIRFLOW
GT(M)91110P24012-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	12	0.2A	6.7A	16.67A
GT(M)91110P24015-XX-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	15	0.2A	5.3A	13.38A
GT(M)91110P24018-XX-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	18	0.2A	4.4A	11.11A
GT(M)91110P24024-XX-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	24	0.1A	3.3A	8.33A
GT(M)91110P24036-XX-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	36	0.1A	2.2A	5.5A
GT(M)91110P24048-XX-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	48	0.1A	1.7A	4.17A
GT(M)91110P24055-XX-CA(W)-S or -HI0XX or -H0XXX or -HIXXX	55	0.1A	1.4A	3.64A

*OTHER OUTPUT VOLTAGES FROM 12V TO 55V IN 0.1V INCREMENT AVAILABLE UPON REQUEST.
** OUTPUT VOLTAGE IS WITHIN REGULATION RANGE EVEN AT NO LOAD, BUT MINIMAL LEVEL OF AUDIBLE NOISE MAY BE HEARD FROM THE SUPPLY.

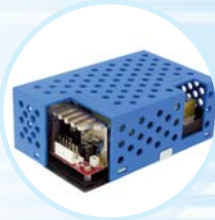
MODEL DESCRIPTION:

- GT(M)91110P24012-ZA(W)-S or -HI0XX or -H0XXX or -HIXXX
- GTM: GLOBTEK SERIES
- 91110P: FAMILY DESIGNATOR
- 24012: 240W 12V OUTPUT POWER AND OUTPUT VOLTAGE
- Z: Z = "F" FOR OPEN FRAME, Z= "C" FOR WITH PERFORATED ENCLOSURE
- A(W): "A" FOR AIRFLOW FOR 240W LOAD AND OPTIONAL "W" FOR CLASS II UNITS. NO "W" FOR CLASS I UNITS.
- X.X: OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL BY SUBTRACTING X.X VOLT FROM STANDARD OUTPUT VOLTAGE, X.X NOT REQUIRED TO BE ADDED IN MODEL NUMBER FOR STANDARD OUTPUT VOLTAGE
- S: INPUT HEADER AND OUTPUT HEADER CONNECTOR ON BOARD.
- HI0XXX: INPUT AND OUTPUT WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 500 TO INDICATE HARNESS LENGTH (MAXIMUM LENGTH FOR INPUT AND OUTPUT HARNESSES IS 500 mm).
- HOXXX: INPUT HEADER CONNECTOR ON BOARD AND OUTPUT WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 500 TO INDICATE HARNESS LENGTH (MAXIMUM HARNESS LENGTH FOR OUTPUT IS 500 mm).
- HIXXX: INPUT WIRE HARNESS. OUTPUT HEADER ON BOARD. WHERE XXX CAN BE FROM 000 TO 500 TO INDICATE HARNESS LENGTH (MAXIMUM HARNESS LENGTH FOR INPUT IS 500 mm).

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



GTM91110P240 - FAMILY



Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



MECHANICAL SPECIFICATION

FOR OPEN FRAME VERSION SIZE: 127.0 x 76.2 x 43.0 mm

INPUT AND OUTPUT CONNECTORS

For -S Version CON 1 AC Input Molex friction lock header 3 Pins with Pin 2 removed for Class II. 5 Pins with Pins 2 and 4 removed for Class I. Molex PN: 26-60-4050, mates with

09-50-3051 housing, 08-50-0105 pins for Class I. Molex PN: 26-60-4030, mates with 09-50-3031 housing, 08-50-0105 pins for Class II.

Class I	Class II
Pin 1: Earth Ground	Pin 1: Neutral
Pin 3: Neutral	Pin 3: Line
Pin 5: Line	

CON 2 DC Output

Molex 6 Pin friction lock header. Molex PN: 26-60-4060, mates with 09-50-3061 housing, 08-05-0105 Pins Pins 1,2,3: V+, Pins 4,5,6: Common

CON 3 Fan Voltage

Fan output, 12Vdc, 200mA maximum load. Other output voltage available upon request. 2.4W maximum. JST PN: B2B-PH-K-SLFSN, mates with PHR-2 housing, SPH-002T-P0.5S Pins Pin 1: 12VDC, Pin 2: Common

Optional Remote Sense Connection
No Connector required. Solder AWG 24 wire direct to PCB holes, marked SNS+ and SNS-. Holes located near fan and output connectors. Remote sense wire must be twisted to avoid noise pick-up. Maximum Remote Sense wire length is 500 mm.

For -HOXXX Version

CON 1 AC Input Molex friction lock header 3 Pins with Pin 2 removed for Class II. 5 Pins with Pins 2 and 4 removed for Class I. Molex PN: 26-60-4050, mates with 09-50-3051 housing, 08-50-0105 pins for Class I. Molex PN: 26-60-4030, mates with 09-50-3031 housing, 08-50-0105 pins for Class II.

Class I	Class II
Pin 1: Earth Ground	Pin 1: Neutral
Pin 3: Neutral	Pin 3: Line
Pin 5: Line	

Wire harness with Molex header, PN: 09-50-3061 with 6 AWG 18 stranded wires, Red for V+ and Black for common. Maximum harness length is 500mm. Header

mates with Molex PN: 26-60-4060.

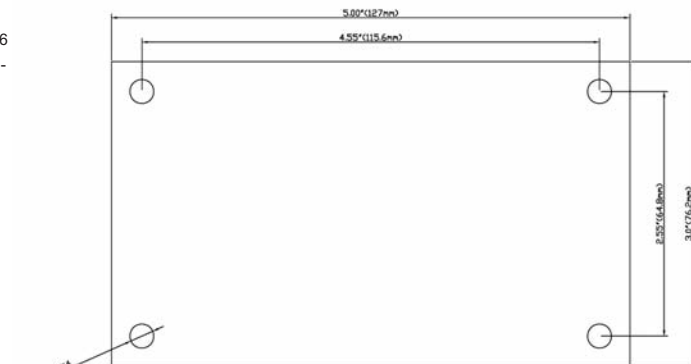
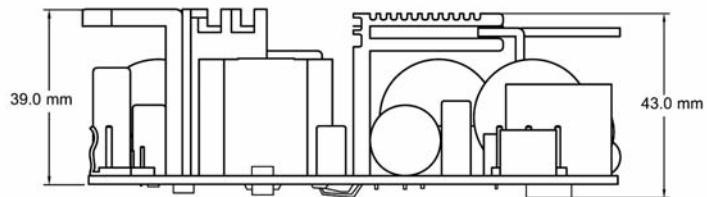
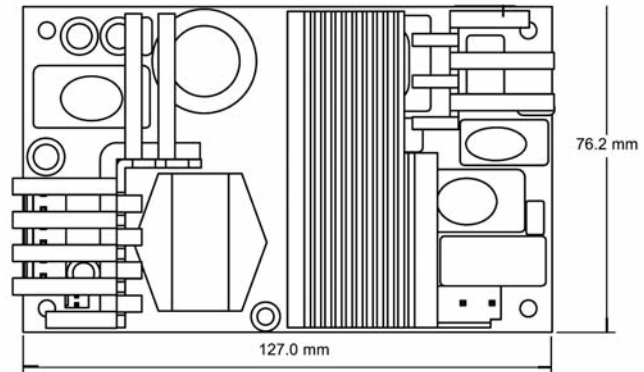
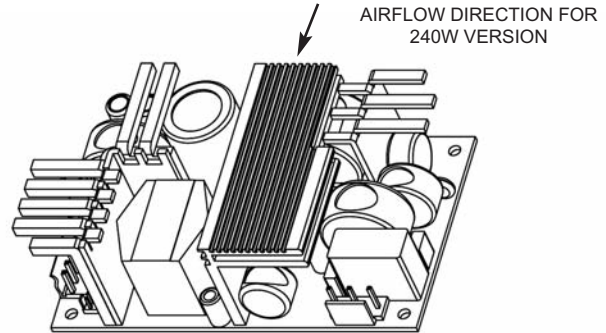
CON 3 Fan Voltage

Fan output, 12Vdc, 200mA maximum load. Other output voltage available upon request. 2.4W maximum.

JST PN: B2B-PH-K-SLFSN, mates with PHR-2 housing, SPH-002T-P0.5S Pins
Pin 1: 12VDC,
Pin 2: Common

For -HIXXX Version

CON 1 AC Input for Class I version
Wire harness with Molex header PN: 09-50-3051 with Pins 2 and 4 not used. 3 AWG 18 stranded wires, Black



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

MECHANICAL SPECIFICATION

FOR PERFORATED ENCLOSURE VERSION SIZE: 140.0 x 87.6 x 51.9 mm

or Brown for Line and White or Blue Neutral, Green with Yellow stripe for Ground. Maximum harness length is 500 mm. Header mates with Molex

P/N: 26-60-4030. Line, Neutral and Ground wire must be twisted.

CON 1 AC Input for Class II version

Wire harness with Molex header,

PN: 09-50-3031 with Pin 2 not used, 2 AWG 18 stranded wires, Black or Brown for Line and White or Blue for Neutral. Maximum harness length is 500mm. Header mates with Molex

P/N: 26-60-4030. Neutral and Line wires must be twisted.

CON 2 DC Output

Molex 6 Pin friction lock header.

Molex PN: 26-60-4060, mates with 09-50-3061 housing, 08-05-0105 Pins Pins 1,2,3: V+, Pins 4,5,6: Common

CON 3 Fan Voltage

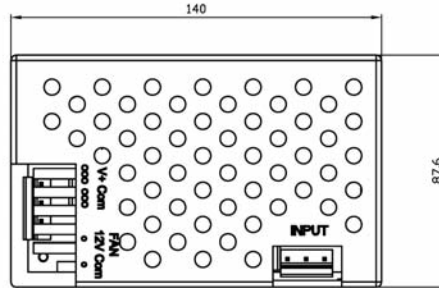
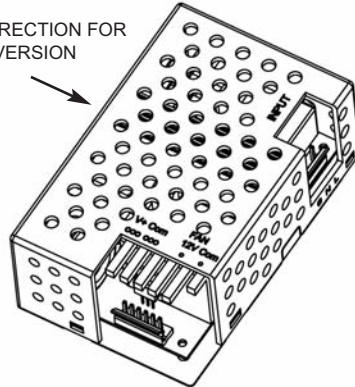
Fan output, 12Vdc, 200mA maximum load. Other output voltage available upon request. 2.4W maximum.

JST PN: B2B-PH-K-SLFNS, mates with PHR-2 housing, SPH-002T-P0.5S Pins Pin 1: 12VDC, Pin 2: Common

Optional Remote Sense Connection

No Connector required. Solder AWG 24 wire direct to PCB holes, marked SNS+ and SNS-. Holes located near fan and output connector. Remote sense wire must be twisted to avoid noise pick-up. Maximum Remote Sense wire length is 500 mm.

AIRFLOW DIRECTION FOR 240W VERSION



PN: 09-50-3031 with Pin 2 not used, 2 AWG 18 stranded wires, Black or Brown for Line and White or Blue for Neutral. Maximum harness length is 500mm. Header mates with Molex P/N: 26-60-4030. Neutral and Line wires must be twisted.

CON 2 DC Output

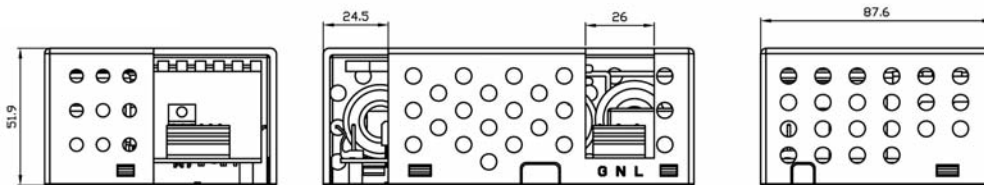
Wire harness with Molex header, PN: 09-50-3061 with 6 AWG 18 stranded wires, Red for V+ and Black for common. Maximum harness length is 500mm.

Header mates with Molex PN: 26-60-4060.

CON 3 Fan Voltage

Fan output, 12Vdc, 200mA maximum load. Other output voltage available upon request. 2.4W maximum.

JST PN: B2B-PH-K-SLFNS, mates with PHR-2 housing, SPH-002T-P0.5S Pins Pin 1: 12VDC, Pin 2: Common Optional Remote Sense Connection No Connector required. Solder AWG 24 wire direct to PCB holes, marked SNS+ and SNS-. Holes located near fan and output connector. Remote sense wire must be twisted to avoid noise pick-up.



System Mounting M3, 4 mm Max screw length

For -HIOXXX Version

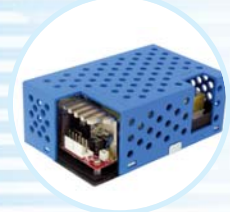
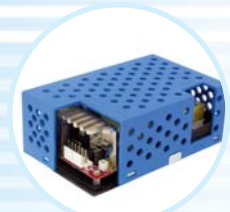
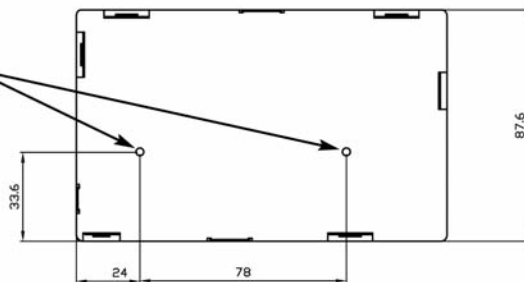
CON 1 AC Input for Class I version

Wire harness with Molex header

PN: 09-50-3051 with Pins 2 and 4 not used. 3 AWG 18 stranded wires, Black or Brown for Line and White or Blue Neutral, Green with Yellow stripe for Ground. Maximum harness length is 500 mm. Header mates with Molex P/N: 26-60-4030. Line, Neutral and Ground wire must be twisted.

CON 1 AC Input for Class II version

Wire harness with Molex header,



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

GTM91110P240 - FAMILY

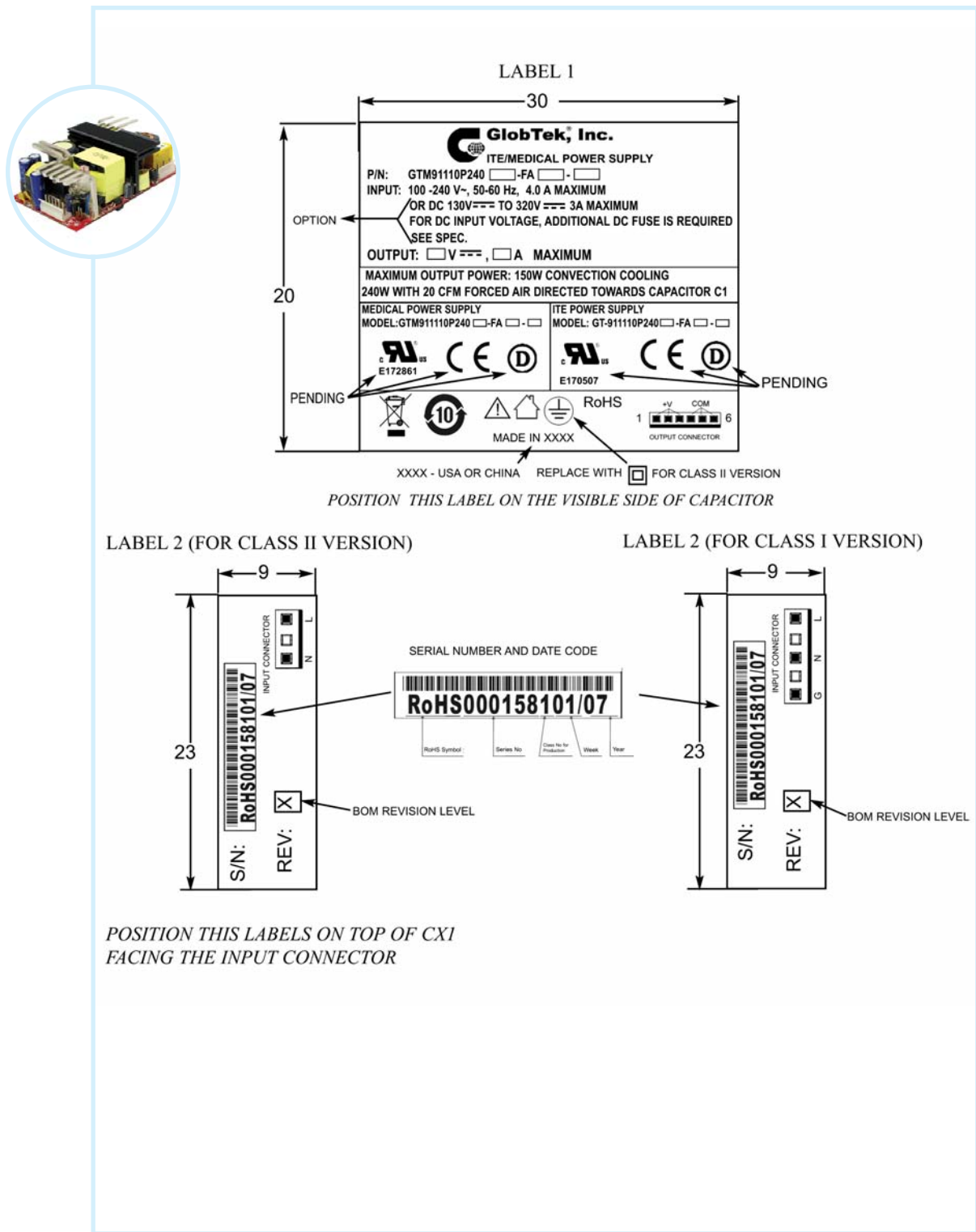


Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



LABEL SPECIFICATION FOR OPEN FRAME VERSION



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



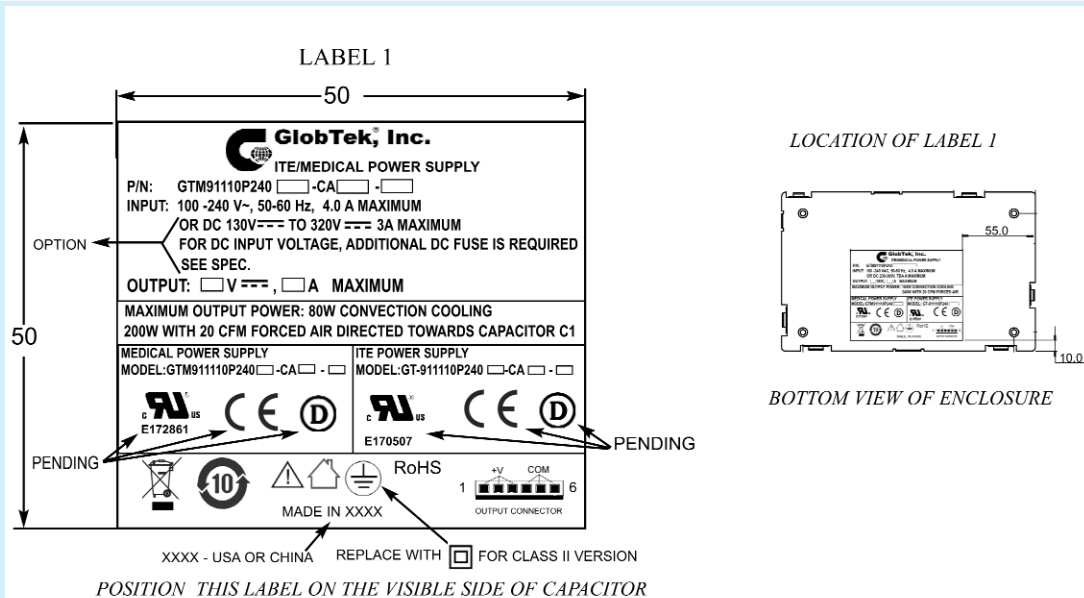
Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I or Class II

Part Number Ordering System (See Page 456) Output Plug/Cord Options (See Page 425)



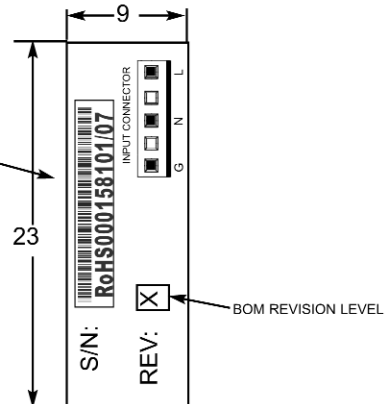
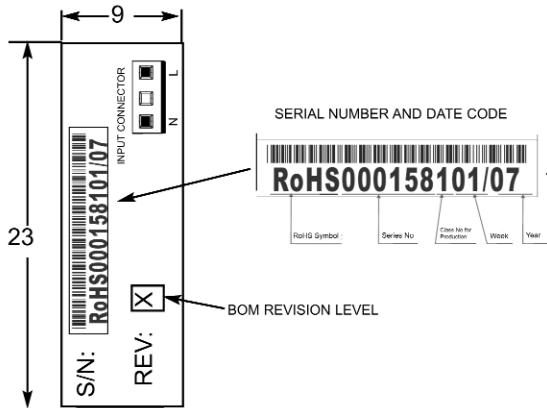
FOR INDOOR USE ONLY

LABEL SPECIFICATION FOR PERFORATED ENCLOSURE VERSION

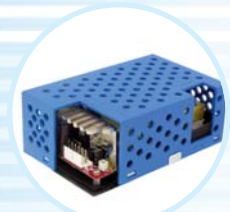


LABEL 2 (FOR CLASS II VERSION)

LABEL 2 (FOR CLASS I VERSION)



POSITION THIS LABEL ON TOP OF CX1 FACING THE INPUT CONNECTOR



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM91110P240XX-FA-S(R)



**Open Frame Switcher, 240 Watt Maximum, Family, Single Output,
Universal AC or DC Input, Medical and ITE, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT RANGE:
90-264 VAC

INPUT LINE FREQUENCY:
47-63Hz

INPUT CURRENT:
4A RMS MAXIMUM @ 90VAC

INRUSH CURRENT:
60A MAXIMUM, COLD START @ 25°C, 115VAC INPUT, 120A AT 240VAC LOAD

EFFICIENCY:
85% TYPICAL AT FULL LOAD, 230Vac INPUT

POWER FACTOR:
0.99 TYPICAL AT FULL LOAD, 230Vac INPUT

TURN-ON DELAY:
5 SECONDS MAXIMUM @ 115VAC INPUT

INPUT LINE PROTECTION:
MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD

SOFT START:
STANDARD ON ALL MODELS

OUTPUT
OUTPUT
VOLTAGE XXV

OUTPUT CURRENT:
XXA MAXIMUM (SEE NOTE 8)

MAXIMUM POWER:
240 WATTS MAXIMUM WITH 20 CFM AIRFLOW OPEN FRAME VERSION
150 WATTS MAXIMUM WITH CONVECTION COOLING OPEN FRAME VERSION

LOAD REGULATION:
± 2% MEASURED AT THE CONNECTOR SIDE

LINE REGULATION:
± 0.5% MEASURED AT THE CONNECTOR SIDE

OUTPUT RIPPLE VOLTAGE:
+/-1% MAXIMUM OF NOMINAL OUTPUT VOLTAGE

(PEAK TO PEAK):
MEASURED AT 20 MHz BANDWIDTH WITH 0.1µf CERAMIC CAPACITOR IN PARALLEL WITH 10 µf ELECTROLYTIC CAPACITOR CONNECTED AT THE END

TURN ON/OFF OVERTHOOT:
5% MAXIMUM, 1mS RECOVERY TIME

HOLD-UP TIME:
8 mS @ 240W LOAD, 10mS@200W LOAD, 16mS@150W LOAD AT 115VAC INPUT

TRANSIENT RESPONSE:
2% MAXIMUM DEVIATION, RETURNS TO INITIAL CONDITION IN 3 ms MAX. FOR 25% STEP LOAD FROM 10% TO 100% OF RATED LOAD.

OVERLOAD PROTECTION:
PROTECTED BETWEEN 120-200% OF FULL LOAD RATING CONSTANT CURRENT PROTECTION TYPE, AUTORECOVER UPON REMOVAL OF OVERLOAD

SHORT CIRCUIT:
PROTECTED. UNIT WILL AUTORECOVER UPON REMOVAL OF SHORT

OVERVOLTAGE:
PROTECTED. 120- 180% OF NOMINAL OUTPUT, LATCHED TYPE. AC CYCLING REQUIRED TO RESTORE OUTPUT. AUTORECOVERY TYPE IS AN OPTION.

REMOTE SENSE(OPTIONAL):
COMPENSATE FOR UP TO 0.5V LEAD VOLTAGE DROP. POWER SUPPLY WILL OPERATE WITHOUT REMOTE SENSE CONNECTION.

INDICATOR:
GREEN LED FOR OUTPUT PRESENCE

FAN VOLTAGE:
12V, 200 mA MAXIMUM. OTHER VOLTAGES FROM 5V TO 48V AVAILABLE FOR MAXIMUM OF 2.4W

ENVIRONMENTAL
OPERATING TEMPERATURE:
0° TO 70°C . DERATE OUTPUT POWER ACCORDING TO CURVE BELOW.

COOLING FOR 240W VERSION:
20 CFM AIRFLOW REQUIRED. AIRFLOW MUST BE IN THE DIRECTION FACING THE BULK CAPACITOR C1. NO SEMICONDUCTOR TO EXCEED 120°C IN CASE TEMPERATURE.

COOLING FOR 150W VERSION:
CONVECTION COOLING. NO SEMICONDUCTOR TO EXCEED 130°C IN CASE TEMPERATURE

STORAGE TEMPERATURE:
-40° TO 85°C

RELATIVE HUMIDITY:
OPERATING; 0-90% NON-CONDENSING

ALTITUDE:
UP TO 2000 METERS

RANDOM VIBRATION/TRANSIENT DROP:
MIL-STD 810E

MTBF:
200,000 HOURS @ 25° AMBIENT TEMPERATURE, NOMINAL LINE, FULL LOAD. MIL-217 STD.

SAFETY
HIPOT (PRI-SEC):
5656 VDC PRIMARY TO SECONDARY SIDE
2121 VDC PRELIMINARY TO EARTH GROUND

EARTH LEAKAGE:
< 250 uA @ 50Hz, 264 VAC INPUT
< 125 uA @ 60Hz, 132 VAC INPUT

APPROVALS (PENDING)

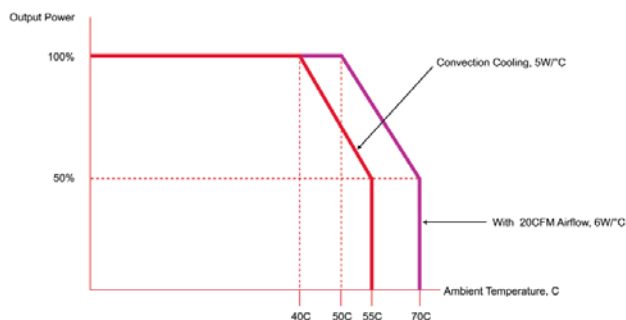
ITE VERSION:
UL60950-1 (3RD EDITION), CUL TO 22.2 NO. 60950-1, CB REPORT, DEMKO TO EN60950-1

MEDICAL VERSION:
UL60601-1, CUL TO 22.2 NO. 60601-1, CB REPORT, DEMKO TO EN60601-1

EMI ('CE' MARK):
EN 55022, EN55024, EN60601-1-2, FCC PART 15B, EN61000-3-2, EN61000-3-3, IEC61000-4-2, IEC61000-4-3, IEC61000-4-4, IEC61000-4-5, IEC61000-4-6, IEC61000-4-8, IEC61000-4-11. TESTED WITH RESISTIVE LOAD.

ROHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

GTM91110P240XX-FA-S Derating Curve



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY

MECHANICAL SPECIFICATION

FOR OPEN FRAME VERSION
SIZE: 127.0 x 76.2 x 43.0 mm

INPUT AND OUTPUT CONNECTORS

CON 1 AC Input

Molex friction lock header

5 Pins with Pins 2 and 4 removed.

Molex PN: 26-60-4050, mates

with 09-50-3051 housing,

08-50-0105 pins.

Pin assignment

Pin 1: Earth Ground

Pin 3: Neutral

Pin 5: Line

CON 2 DC Output

Molex 6 Pin friction lock header.

Molex PN: 26-60-4060, mates

with 09-50-3061 housing,

08-05-0105 Pins

Pins 1,2,3: V+, Pins 4,5,6: Common

CON 3 Fan Voltage

Fan output, 12Vdc,

200mA maximum load.

Other output voltage

available upon request.

2.4W maximum.

JST PN: B2B-PH-K-SLFSN,

mates with PHR-2 housing,

SPH-002T-P0.5S Pins

Pin 1: 12VDC, Pin 2: Common

Optional Remote Sense Connection

No Connector required.

Solder AWG 24 wire

direct to PCB holes,

marked SNS+ and SNS-.

Holes located near fan and

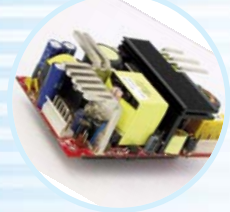
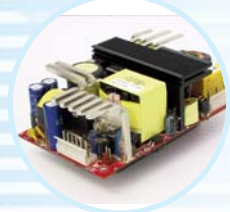
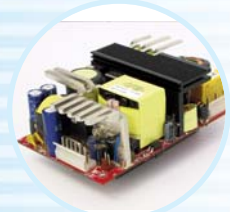
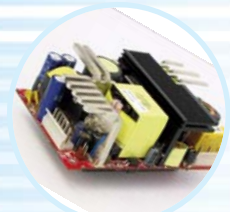
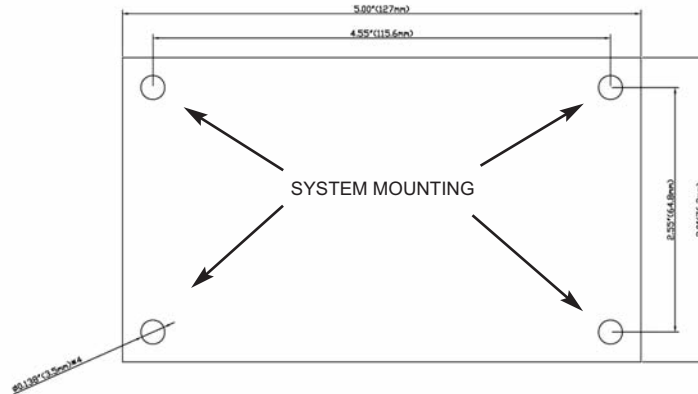
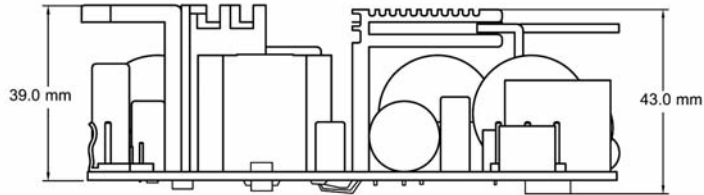
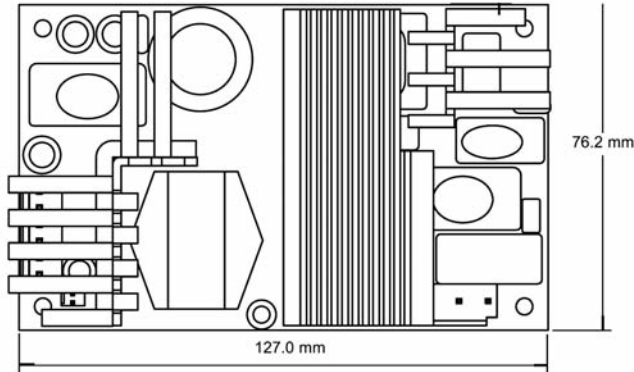
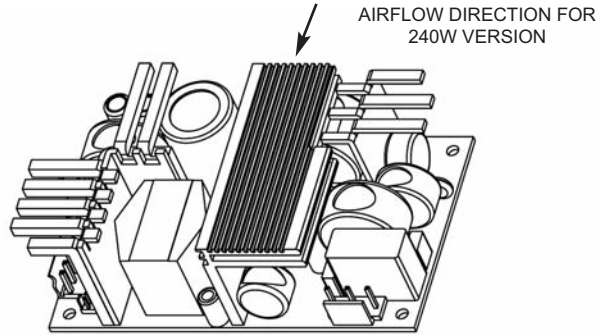
output connectors.

Remote sense wire must be

twisted to avoid noise pick-up.

Maximum Remote Sense

wire length is 500 mm.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

GTM91110P240XX-FA-S(R)



Open Frame Switcher, 240 Watt Maximum, Family, Single Output, Universal AC or DC Input, Medical and ITE, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

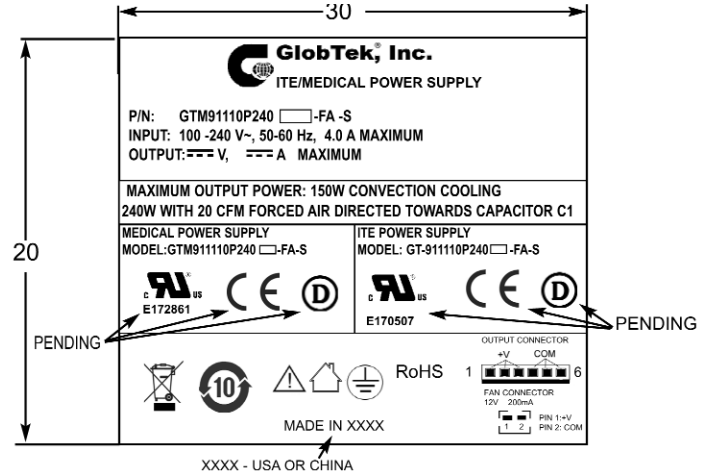
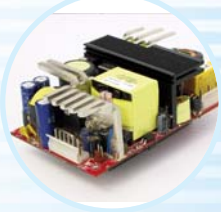
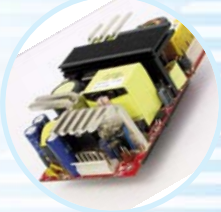
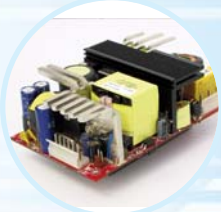
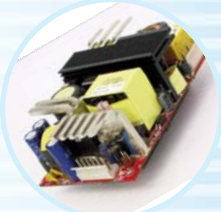
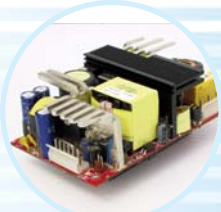


FOR INDOOR USE ONLY

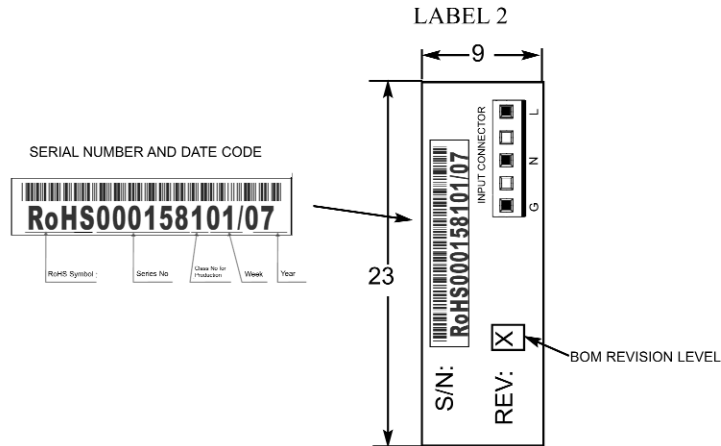


MECHANICAL SPECIFICATION

FOR OPEN FRAME VERSION
SIZE: 127.0 x 76.2 x 43.0 mm



POSITION THIS LABEL ON THE VISIBLE SIDE OF CAPACITOR



POSITION label 2 ON TOP OF CX1
FACING THE INPUT CONNECTOR

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**250 VA Isolation Transformer**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

FOR INDOOR USE ONLY

**FEATURES:**

COMPLETE TRANSFORMER-BASED LINE ISOLATION,
CONTINUOUS NOISE FILTERING AND ENHANCED COMMON
MODE SURGE SUPPRESSION

SUPPORTS COMBINED LOADS UP TO 250 WATTS
CONTINUOUS / 2.1A AT 120V

ISOLATION TRANSFORMER WITH FARADAY SHIELD OFFERS
100% ISOLATION FROM THE INPUT AC LINE

NEUTRAL TO GROUND BONDING AT THE SECONDARY
ELIMINATES COMMON MODE NOISE AND PROVIDES AN
ISOLATED GROUND REFERENCE FOR SENSITIVE
EQUIPMENT

ISOLATION TRANSFORMER DESIGN SERVES AS AN
INEXPENSIVE ALTERNATIVE TO THE INSTALLATION OF
DEDICATED CIRCUITS AND SITE ELECTRICAL UPGRADES

REMOVES EMI/RFI NOISE, UTILITY SWITCHING TRANSIENTS,
BACKGROUND SPIKES AND POWER PROBLEMS GENERATED
BY OTHER ON-SITE LOADS, UTILITY GRID-SWITCHING AND
LIGHTNING RELATED SURGES

LINE ISOLATION WITH ADDITIONAL SURGE SUPPRESSION
COMPONENTS OFFER CONTINUOUS LINE FILTERING OF A
FULL RANGE OF POWER LINE NOISE IN ALL MODES

ACTIVE FILTERING WITH NO WEARABLE PARTS REDUCES
SURGES IN THE WORST OF POWER ENVIRONMENTS TO
HARMLESS LEVELS

INCLUDES 2 WIDELY-SPACED NEMA5-15R OUTPUT
RECEPTACLES, 6 FT POWER CORD, CIRCUIT BREAKER
OVERLOAD PROTECTION AND LIGHTED POWER SWITCH

RUGGED ALL-METAL HOUSING SHIPS READY FOR UPRIGHT
TOWER OR WALLMOUNT INSTALLATION

2 YEAR PRODUCT WARRANTY

ELECTRICAL SPECIFICATIONS:**NOMINAL VOLTAGE / FREQUENCY:**

120V / 60HZ

VA / WATT CAPACITY:

250

CURRENT CAPACITY:

2.1A AT 120V AC

TRANSFORMER TYPE:LOW IMPEDENCE TRANSFORMER-BASED LINE
ISOLATION TRANSFORMER**DIELECTRIC WITHSTAND VOLTAGE:**

4242 VDC PRIMARY-SECONDARY

TOTAL HARMONIC DISTORTION:

LESS THAN 1%

OVER CURRENT PROTECTION:

YES, 2A CIRCUIT BREAKER

OUTPUT RECEPTACLE QTY / TYPE:

2 NEMA5-15R OUTLETS

INPUT PLUG TYPE:

NEMA5-15P PLUG

INPUT CORD LENGTH:

6.00 FT. / 1.83 M

EFFICIENCY:

96%

SUPPRESSION JOULE RATING:

680 JOULES TOTAL (510 JOULES INPUT /

170 JOULES OUTPUT)

NOISE SUPPRESSION RATING:

35-65 DB

SURGE TEST CONDITIONS:PER ANSI/IEEE C62.41 - IEEE587 CAT. A & B TEST
WAVEFORMS**LET-THROUGH VOLTAGE (RING WAVE):**

L-N: 20V L-G: 20V N-G: 0.5V

LET-THROUGH VOLTAGE (COMBINATION WAVE):

L-N: 250V L-G: 250V N-G: 0.5V

COOLING METHOD:

CONVECTION

FORM FACTOR:

SMALL TOWER FORMAT, WALL MOUNTABLE

UNIT DIMENSIONS:

(HWD/IN.) 4.5 X 4.75 X 7.75

SHIPPING WEIGHT:

13.80 LBS. / 6.26 KG

WARRANTY:

2 YEAR WARRANTY

SAFETY APPROVALS:DESIGNED TO MEET UL, CUL TO UL 1012, EMI: FCC PART 15
CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH
CONDUCTED AND RADIATED**OPERATING TEMPERATURE:**

0 TO 40° C TEMPERATURE RISE: < 70° C FOR RATED LOAD.

STORAGE TEMPERATURE:

-20° TO 80° C

HUMIDITY:

0 TO 90% RELATIVE HUMIDITY

OUTPUT VOLTAGE / CURRENT:**NORTH AMERICAN BLADE CONFIGURATION**

MODEL NUMBER	OUTPUT VOLTAGE (VAC)	OUTPUT CURRENT (mA)	RATED OUTPUT POWER (W)
GT-9ISL-0250-2	120	2100	250





ISO 9001:2008
REGISTERED

GT-9250 SERIES-250W



250 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 330)



FOR INDOOR USE ONLY

ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:

UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:

4.0 MAXIMUM

INPUT FREQUENCY RANGE:

47HZ TO 63HZ

INRUSH CURRENT:

30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:

+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:

+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:

MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:

HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:

POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:

78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:

25ms MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:

100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:

LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:

-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:

+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:

LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:

PRIMARY TO SECONDARY: 4242VDC

PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:

LINE FUSING FOR ITE GRADE

SAFETY AGENCY APPROVALS: (PENDING)

EN60950, UL60950, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:

CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREGES OF WATER:

IPX0

MODE OF OPERATION:

CONTINUOUS

OUTPUT VOLTAGE / CURRENT:

250 WATTS MODELS, WITH SIDE BUILT-IN FANS



CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

WEIGHT:

25 LB MAXIMUM

MTBF MIL-HDBK-217F:

200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P1203.3 TO 25048-X.X

GT: GLOBTEK SERIES CODE

M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE

9250P: SERIES DESIGNATOR

1203.3 TO 25048: 120W 3.3V TO 250W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE

-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL

BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL:

GTM9250P25012-2.0

-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES

F-: FAN CONTROL OPTION; ADD "F-" IF FAN CONTROL IS DESIRED.

S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK

M: INPUT AND OUTPUT HEADER ON BOARD

HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.

NOTE: DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAILABLE ONLY FROM 15V TO 48V OUTPUTS.

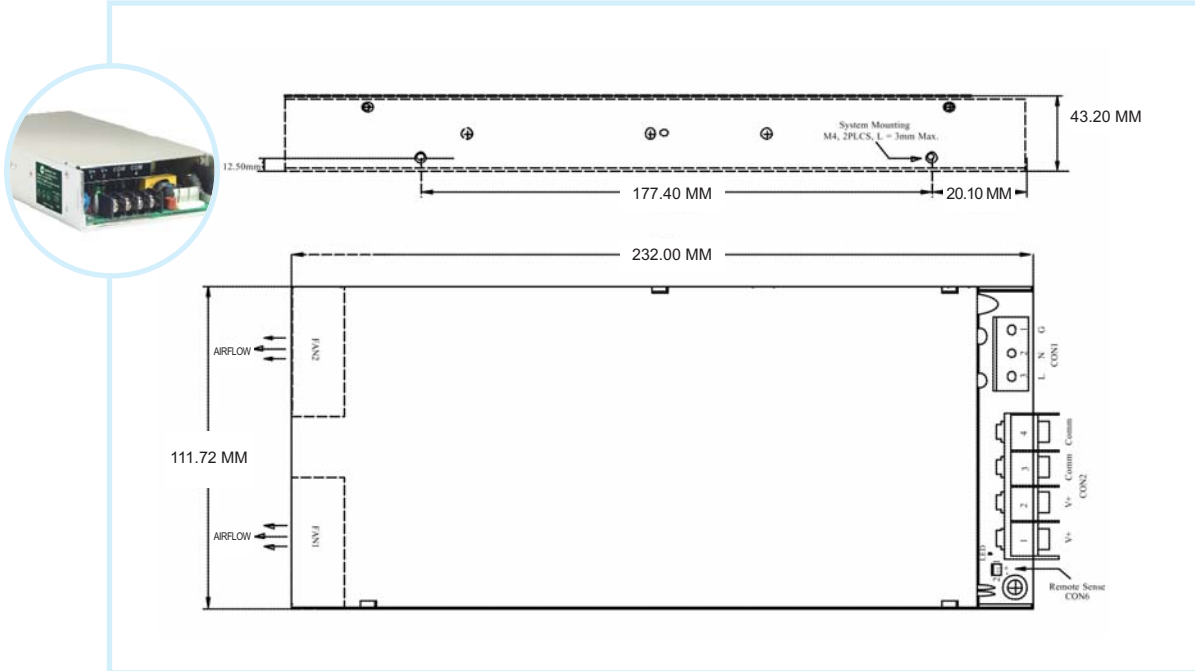
MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9250P1203.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 36.36	0 - 120
GT-9250P1505.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 30.00	0 - 150
GT-9250P2007.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 24.00	0 - 200
GT-9250P2009.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 22.00	0 - 200
GT-9250P25012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 20.83	0 - 250
GT-9250P25015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 16.66	0 - 250
GT-9250P25018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 13.88	0 - 250
GT-9250P25024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 10.41	0 - 250
GT-9250P25036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 6.94	0 - 250
GT-9250P25048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 5.21	0 - 250

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



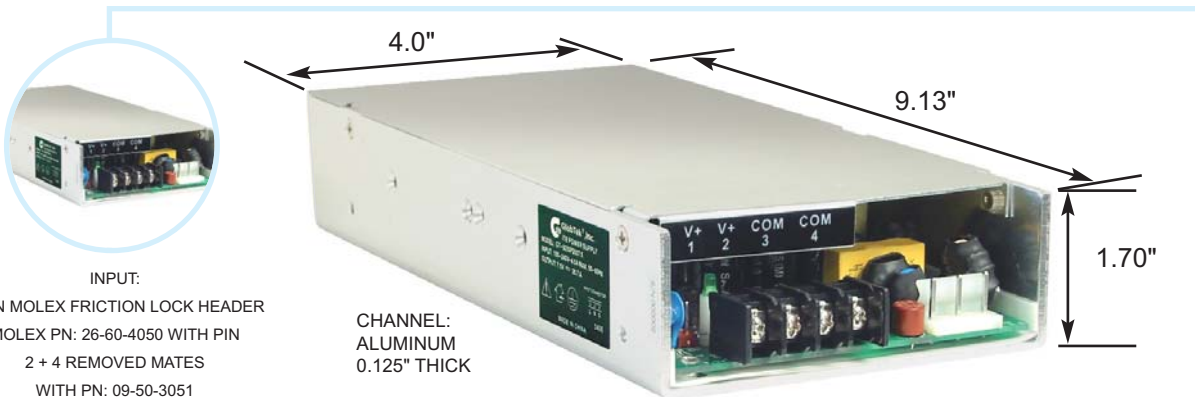
250 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 330)



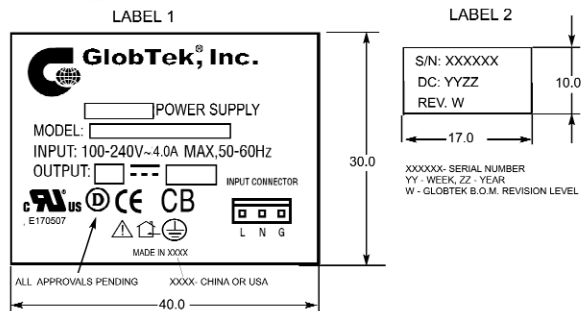
ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN ABOVE.



- INPUT:**
3 PIN MOLEX FRICTION LOCK HEADER
MOLEX PN: 26-60-4050 WITH PIN
2 + 4 REMOVED MATES
WITH PN: 09-50-3051
PIN 1: GROUND
PIN 3: AC NEUTRAL
PIN 5: AC LINE
- OUTPUT:**
4 PIN TERMINAL BLOCK
PIN 1,2: V+
PIN 3,4: COMM
- CON 3: REMOTE SENSE CONNECTOR,
MOLEX 22-28-0020
MATES WITH MOLEX PN: 22-01-2021
PIN 1: +SENSE; PIN2: -SENSE

CHANNEL:
ALUMINUM
0.125" THICK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM9250 SERIES-250W



250 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:

UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:

4.0 MAXIMUM

INPUT FREQUENCY RANGE:

47HZ TO 63HZ

INRUSH CURRENT:

30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:

+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:

+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:

MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:

HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:

POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:

78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:

25mS MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:

100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:

LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:

-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:

+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:

LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:

PRIMARY TO SECONDARY: 5656VDC

PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:

DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE

SAFETY AGENCY APPROVALS: (PENDING)

EN60601 AND UL60601, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:

CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREDIENTS OF WATER:

IPX0

MODE OF OPERATION:

CONTINUOUS

CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

WEIGHT:

25 LB MAXIMUM

MTBF MIL-HDBK-217F:

200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P753.3 TO 15048-X.X

GT: GLOBTEK SERIES CODE

M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE

9250P: SERIES DESIGNATOR

753.3 TO 15048: 75W 3.3V TO 150W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE

-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL

BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL:

GTM9250P25012-2.0

-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES

F: "F" SYMBOL IS NOT USED IN 150W VERSION, ONLY FOR 250W AND 290W

S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK

M: INPUT AND OUTPUT HEADER ON BOARD

HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.

NOTE: DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAILABLE ONLY FROM 7.5V TO 48V OUTPUTS.

OUTPUT VOLTAGE / CURRENT:

250 WATTS MODELS, WITH SIDE BUILT-IN FANS

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9250P1203.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 36.36	0 - 120
GTM9250P1505.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 30.00	0 - 150
GTM9250P2007.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 24.00	0 - 200
GTM9250P2009.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 22.00	0 - 200
GTM9250P25012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 20.83	0 - 250
GTM9250P25015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 16.66	0 - 250
GTM9250P25018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 13.88	0 - 250
GTM9250P25024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 10.41	0 - 250
GTM9250P25036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 6.94	0 - 250
GTM9250P25048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 5.21	0 - 250

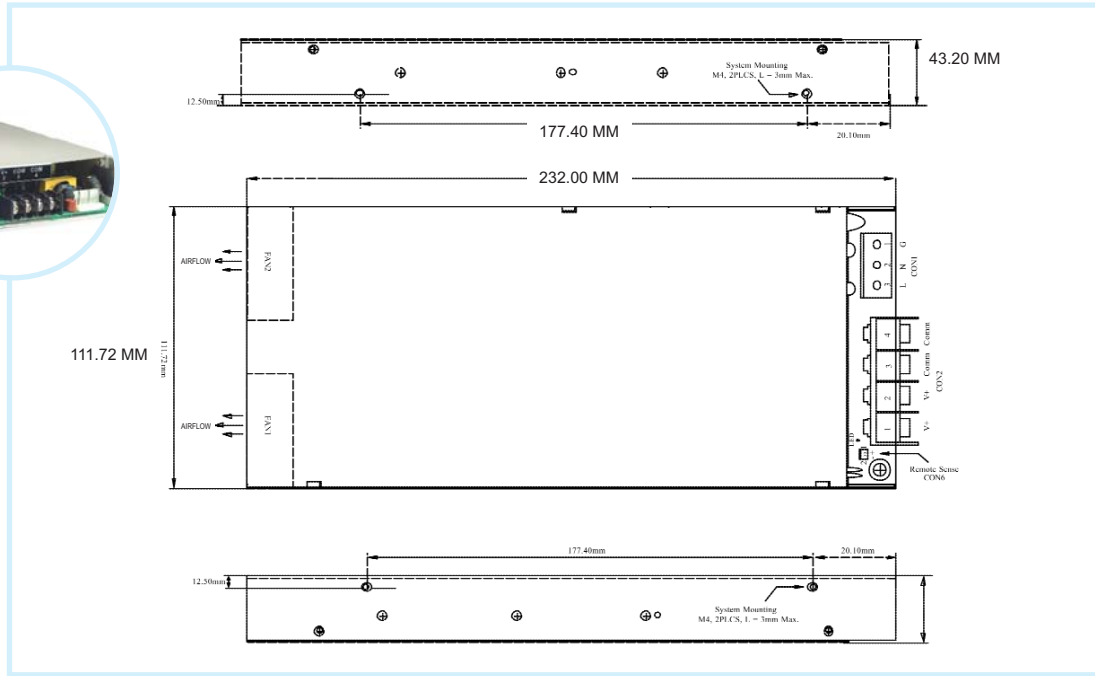
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

**250 Watts, Universal Input,
Single Output Switchers**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



ENCLOSURE

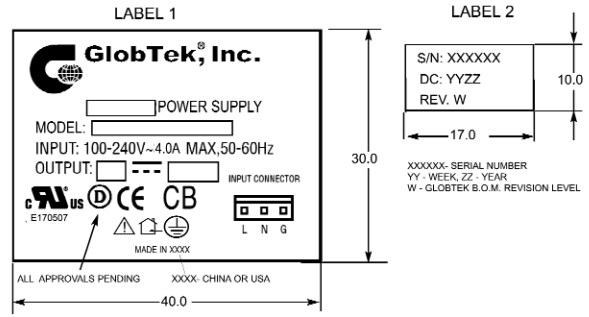
CONFIGURATION:

ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN ABOVE.



- INPUT:**
3 PIN MOLEX FRICTION LOCK HEADER
MOLEX PN: 26-60-4050 WITH PIN
2 + 4 REMOVED MATES
WITH PN: 09-50-3051
PIN 1: GROUND
PIN 3: AC NEUTRAL
PIN 5: AC LINE
OUTPUT:
4 PIN TERMINAL BLOCK
PIN 1,2: V+
PIN 3,4: COMM
CON 3: REMOTE SENSE CONNECTOR,
MOLEX 22-28-0020
MATES WITH MOLEX PN: 22-01-2021
PIN 1: +SENSE; PIN2: -SENSE

CHANNEL:
ALUMINUM
0.125" THICK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**270 Watts, Universal Input,
Single Output Switchers**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 334)



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:
UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:
4.0 MAXIMUM

INPUT FREQUENCY RANGE:
47HZ TO 63HZ

INRUSH CURRENT:
30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:
+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:
+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:
MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:
HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:
POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:
78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:
25mS MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:
100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:
LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:
-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:
+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:
LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:
PRIMARY TO SECONDARY: 5656VDC
PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:
DUAL FUSING , LINE AND NEUTRAL FOR MEDICAL GRADE

SAFETY AGENCY APPROVALS: (PENDING)
EN60601 AND UL60601, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:
CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREGES OF WATER:
IPX0



FOR INDOOR USE ONLY

MODE OF OPERATION:
CONTINUOUS

CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:
POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

WEIGHT:
25 LB MAXIMUM

MTBF MIL-HDBK-217F:
200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:
GT(M)9250P753.3 TO 15048-X.X
GT: GLOBTEK SERIES CODE
M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR I.T.E. GRADE
9250P: SERIES DESIGNATOR
753.3 TO 15048: 75W 3.3V TO 150W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE
-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL
BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE
EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL: GTM9250P25012-2.0
-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES
F: "F" SYMBOL IS NOT USED IN 150W VERSION, ONLY FOR 250W AND 290W
S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK
M: INPUT AND OUTPUT HEADER ON BOARD
HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGHT IS 200mm.
HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.
NOTE: DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAIL-ABLE ONLY FROM 7.5V TO 48V OUTPUTS.

**OUTPUT VOLTAGE / CURRENT:
270 WATTS MODELS, WITH TOP BUILT-IN FANS**

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9250P1503.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 45.45	0 - 150
GTM9250P2205.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 44.00	0 - 220
GTM9250P2507.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 29.33	0 - 250
GTM9250P2709.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 30.00	0 - 270
GTM9250P27012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 22.50	0 - 270
GTM9250P27015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 18.00	0 - 270
GTM9250P27018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 15.00	0 - 270
GTM9250P27024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 11.75	0 - 270
GTM9250P27036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 7.50	0 - 270
GTM9250P27048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 5.62	0 - 270

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



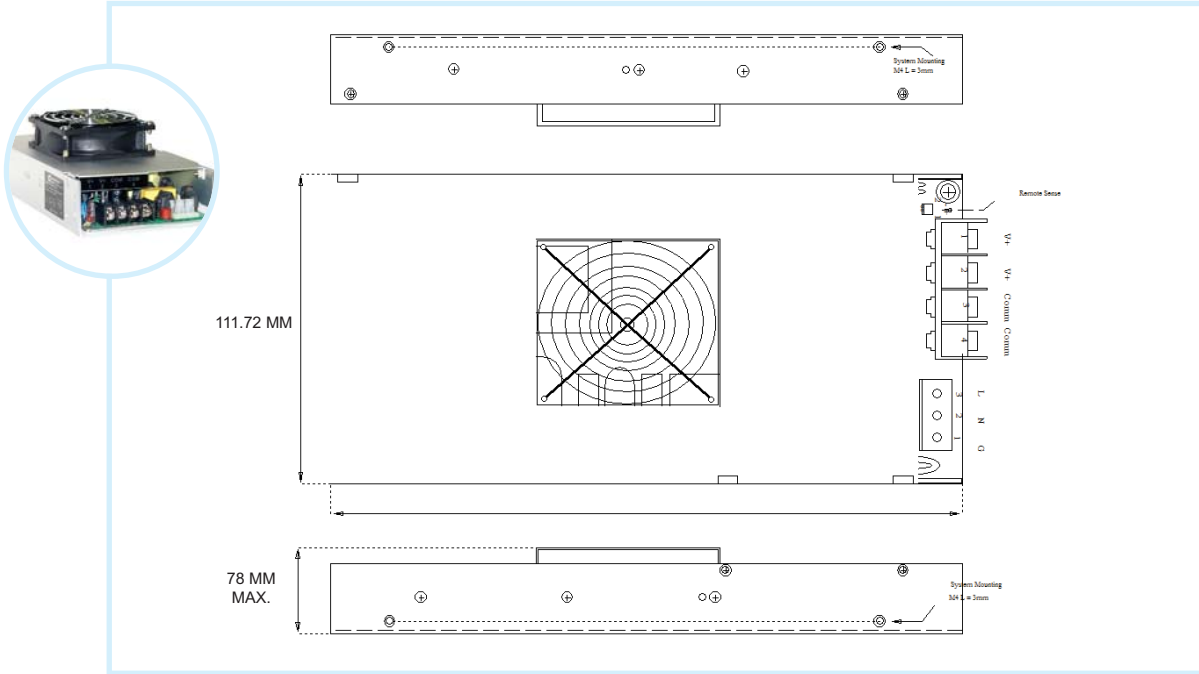
ISO 9001:2008 REGISTERED



270 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 334)

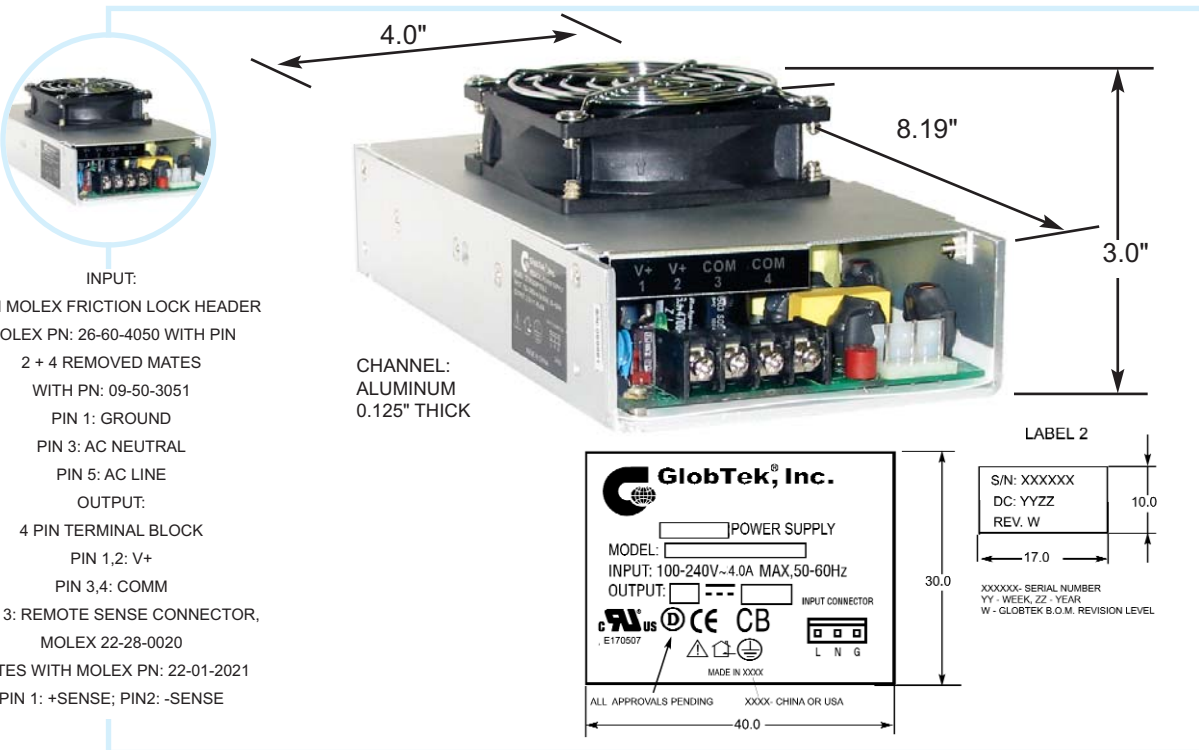
FOR INDOOR USE ONLY



ENCLOSURE

CONFIGURATION:

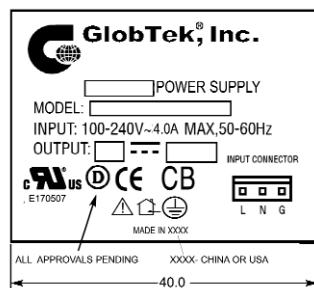
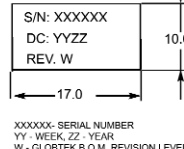
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN ABOVE.



- INPUT:
3 PIN MOLEX FRICTION LOCK HEADER
MOLEX PN: 26-60-4050 WITH PIN
2 + 4 REMOVED MATES
WITH PN: 09-50-3051
PIN 1: GROUND
PIN 3: AC NEUTRAL
PIN 5: AC LINE
OUTPUT:
4 PIN TERMINAL BLOCK
PIN 1,2: V+
PIN 3,4: COMM
CON 3: REMOTE SENSE CONNECTOR,
MOLEX 22-28-0020
MATES WITH MOLEX PN: 22-01-2021
PIN 1: +SENSE; PIN2: -SENSE

CHANNEL:
ALUMINUM
0.125" THICK

LABEL 2



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM9250 SERIES-270W



270 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE RANGE:

UNIVERSAL INPUT FROM 100VAC TO 240VAC

INPUT CURRENT:

4.0 MAXIMUM

INPUT FREQUENCY RANGE:

47HZ TO 63HZ

INRUSH CURRENT:

30A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

OUTPUT LOAD REGULATION:

+/- 2% MEASURED AT OUTPUT CONNECTOR END

INPUT REGULATION:

+/- 1.0% OUTPUT MEASURED AT OUTPUT CONNECTOR

TRANSIENT RESPONSE:

MAXIMUM OUTPUT DEVIATION OF +/-5% OF NOMINAL OUTPUT FOR A 0% TO 25% STEP LOAD, 500ms TYPICAL RESPONSE TIME

OUTPUT SHORT CIRCUIT PROTECTION:

HICCUP MODE WITH AUTO RECOVERY ONCE FAULT DISAPPEARS

OVERLOAD PROTECTION:

POWER SUPPLY IS OUTPUT POWER LIMITED, HICCUP MODE

FULL LOAD EFFICIENCY:

78% TYP. @ FULL LOAD 115V, DEPENDING ON OUTPUT VOLTAGE

HOLD-UP TIME:

25mS MINIMUM AT FULL LOAD, 115V INPUT

SWITCHING FREQUENCY:

100 KHZ TYPICAL

SWITCHING FREQUENCY OUTPUT RIPPLE:

LESS THAN 1% OF OUTPUT VOLTAGE, TYPICAL

OPERATING TEMPERATURE:

-0°C TO 50°C, DERATE OUTPUT AT 3% PER DEGREE C FROM 50°C TO 70°C

TEMPERATURE COEFFICIENT:

+ / - 0.02%/C TYPICAL

EARTH LEAKAGE CURRENT:

LESS THAN 300uA AT 264Vac

ISOLATION VOLTAGE:

PRIMARY TO SECONDARY: 5656VDC

PRIMARY TO EARTH: 2121VDC

INPUT PROTECTION:

DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE

SAFETY AGENCY APPROVALS: (PENDING)

EN60601 AND UL60601, CB REPORT AND CE MARK

CLASSIFICATION ACCORDING TO THE TYPE OF PROTECTION AGAINST ELECTRIC SHOCK:

CLASS I

CLASSIFICATION ACCORDING TO THE DEGREE OF PROTECTION AGAINST HARMFUL INGREDIENTS OF WATER:

IPX0

MODE OF OPERATION:

CONTINUOUS

CLASSIFICATION ACCORDING TO THE DEGREE OF SAFETY APPLICATION IN THE PRESENCE OF FLAMMABLE ANESTHETIC:

POWER SUPPLY CANNOT BE USED IN PRESENCE OF FLAMMABLE ANESTHETIC

RELATIVE HUMIDITY:

NON-CONDENSING; 5% TO 90% RH

WEIGHT:

25 LB MAXIMUM

MTBF MIL-HDBK-217F:

200K HRS 25C FULL LOAD, 115V INPUT VOLTAGE

MODEL DESCRIPTION:

GT(M)9250P753.3 TO 15048-X.X

GT: GLOBTEK SERIES CODE

M: MEDICAL GRADE; REPLACE WITH "-" (DASH) FOR

I.T.E. GRADE

9250P: SERIES DESIGNATOR

753.3 TO 15048: 75W 3.3V TO 150W 48V, DESCRIBES OUTPUT POWER AND OUTPUT VOLTAGE

-X.X: USE ONLY TO SPECIFY OUTPUT VOLTAGE DEVIATION FROM STANDARD MODEL

BY SUBTRACTING X.X VOLTS FROM STANDARD OUTPUT VOLTAGE

EXAMPLE; REQUIRED VOLTAGE IS 10V; MODEL:

GTM9250P25012-2.0

-X.X IS NOT REQUIRED FOR STANDARD OUTPUT VOLTAGES

F: "F" SYMBOL IS NOT USED IN 150W VERSION, ONLY FOR 250W AND 290W

S: STANDARD CONFIGURATION; INPUT HEADER ON BOARD AND OUTPUT TERMINAL BLOCK

M: INPUT AND OUTPUT HEADER ON BOARD

HIXXX: INPUT WIRE HARNESS AND OUTPUT TERMINAL BLOCK. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. XXX IS A CODE FROM 000 TO 999 ASSIGNED TO INDICATE WIRE HARNESS LENGTH. MAXIMUM HARNESS LENGTH IS 200mm.

HIHXXX: INPUT WIRE HARNESS AND OUTPUT HEADER ON BOARD.

NOTE: DUE TO CURRENT HANDLING LIMITATION OF THE OUTPUT CONNECTOR, M, HOXXX, HIOXXX AND HIHXXX ARE AVAILABLE ONLY FROM 7.5V TO 48V OUTPUTS.

OUTPUT VOLTAGE / CURRENT:

270 WATTS MODELS, WITH TOP BUILT-IN FANS

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9250P1503.3F- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+3.30	0 - 45.45	0 - 150
GTM9250P2205.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+5.00	0 - 44.00	0 - 220
GTM9250P2507.5-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+7.50	0 - 29.33	0 - 250
GTM9250P2709.0-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+9.00	0 - 30.00	0 - 270
GTM9250P27012-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+12.00	0 - 22.50	0 - 270
GTM9250P27015-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+15.00	0 - 18.00	0 - 270
GTM9250P27018-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+18.00	0 - 15.00	0 - 270
GTM9250P27024-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+24.00	0 - 11.75	0 - 270
GTM9250P27036-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+36.00	0 - 7.50	0 - 270
GTM9250P27048-X.XF- [S or M or HIXXX or HOXXX or HIOXXX or HIHXXX]	+48.00	0 - 5.62	0 - 270

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED

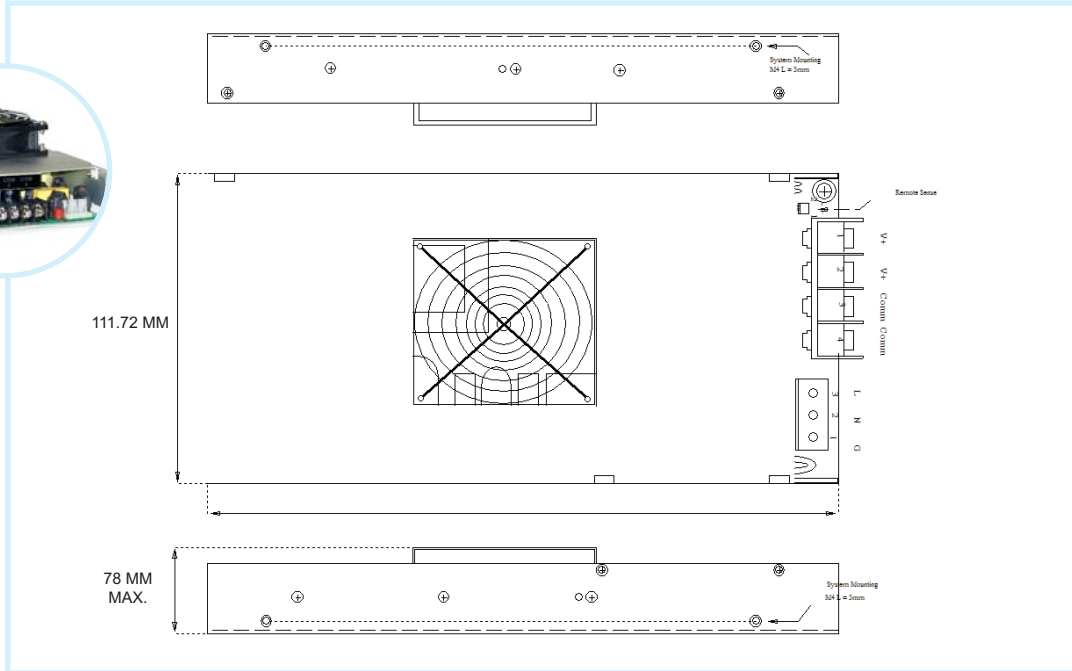


270 Watts, Universal Input, Single Output Switchers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

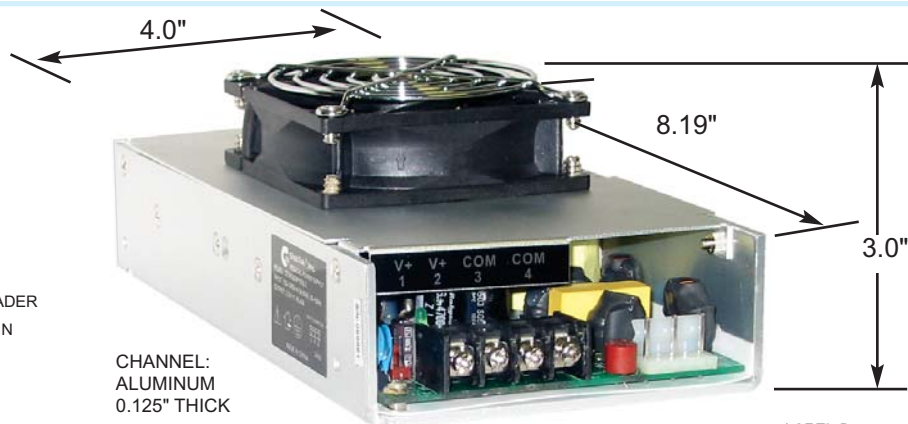


FOR INDOOR USE ONLY



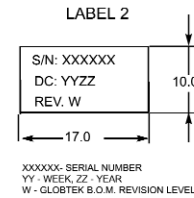
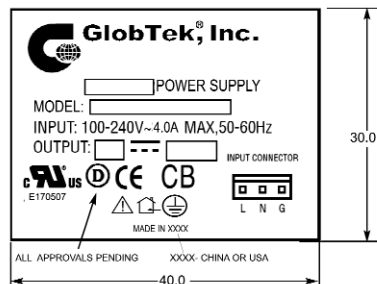
ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOWN ABOVE.



- INPUT:**
3 PIN MOLEX FRICTION LOCK HEADER
MOLEX PN: 26-60-4050 WITH PIN
2 + 4 REMOVED MATES
WITH PN: 09-50-3051
PIN 1: GROUND
PIN 3: AC NEUTRAL
PIN 5: AC LINE
- OUTPUT:**
4 PIN TERMINAL BLOCK
PIN 1,2: V+
PIN 3,4: COMM
CON 3: REMOTE SENSE CONNECTOR,
MOLEX 22-28-0020
MATES WITH MOLEX PN: 22-01-2021
PIN 1: +SENSE; PIN2: -SENSE

CHANNEL:
ALUMINUM
0.125" THICK



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**Switcher, 350 Watt, Family, Single Output,
Open Frame Universal Input, ITE, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 339)



344ELECTRICAL SPECIFICATIONS:

INPUT RANGE:

90-264 VAC

INPUT LINE FREQUENCY:

47-63Hz

INPUT CURRENT:

<5A RMS @ 90VAC

INRUSH CURRENT:

40A TYPICAL, COLD START @ 25°C

EFFICIENCY:

80% TYPICAL AT FULL LOAD

POWER FACTOR:

0.99 TYPICAL

TURN-ON DELAY:

2 SECOND TYPICAL @ 115VAC NOMINAL LINE

INPUT LINE PROTECTION:

MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD

SOFT START:

STANDARD ON ALL MODELS

MAXIMUM POWER:

350 WATTS

ADJUSTMENT RANGE:

± 10%

LOAD REGULATION:

± 2% MEASURED AT THE CONNECTOR SIDE

LINE REGULATION:

± 0.5% MEASURED AT THE CONNECTOR SIDE

HIGH FREQUENCY RIPPLE:

1% OF OUTPUT VOLTAGE, PEAK TO PEAK

TURN ON/OFF OVERSHOOT:

5% MAXIMUM, 1mS RECOVERY TIME

HOLD-UP TIME:

20 mS @ 200W LOAD, 115VAC NOMINAL LINE

TRANSIENT RESPONSE:

1mS RECOVERY TO WITHIN 1% OF THE REGULATION BAND WITH NO MORE THAN 5% OUTPUT VOLTAGE DEVIATION @ 50% LOAD STEP.

OVERLOAD PROTECTION:

PROTECTED @ 115-130% OF FULL LOAD RATING FOLD BACK

SHORT CIRCUIT:

FOLDBACK, AUTORECOVER UPON REMOVAL OF SHORT

OVERVOLTAGE:

10% TO 20% ABOVE NOMINAL OUTPUT, LATCH

INDICATOR:

GREEN LED FOR OUTPUT PRESENCE

FAN OUTPUT:

12V @ 0.15A (UNREGULATED)

MODEL DESCRIPTION:

GT-9200P1323.3-X.X TO 20048-X.X

GT: GLOBTEK SERIES

"-" (DASH) FOR

ITE GRADE

9200: FAMILY DESIGNATOR

1853.3 TO 35048: 185W 3.3V TO 350W 48V OUTPUT

POWER OUTPUT VOLTAGE

X.X: OUTPUT VOLTAGE DEVIATION FROM STANDARD

MODEL BY SUBTRACTING X.X VOLT FROM STANDARD

OUTPUT VOLTAGE.

S: INPUT HEADER AND OUTPUT METAL TERMINAL

ON BOARD.

R: IEC INPUT RECEPTACLE AND OUTPUT METAL TERMINAL

ON BOARD.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. WHERE XXX

CAN BE FROM 000 TO 999 (MAXIMUM LENGHT FOR INPUT IS

100MM AND 200MM FOR OUTPUT).

HORXXX: IEC INPUT RECEPTACLE ON BOARD AND OUTPUT

WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE LENGHT FOR OUTPUT IS 200MM).

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE

HARNESS. WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE LENGTH FOR OUTPUT IS 200MM).

HIXXX: INPUT WIRE HARNESS. OUTPUT METAL TERMINAL ON

BOARD. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM

WIRE LENGTH FOR INPUT IS 100MM).

REMOTE ON/OFF:

OPEN, INHIBITS OUTPUT.

DC POWER GOOD:

TTL LOGIC GOES HIGH AFTER THE OUTPUT IS IN REGULATION. IT GOES LOW WHEN THERE IS LOSS OF REGULATION.

REMOTE SENSE:

COMPENSATE FOR 0.5V LEAD DROP. WILL OPERATE WITHOUT REMOTE SENSE CONNECTION.

TEMPERATURE COEFFICIENT:

± 0.02% PER °C, TYPICAL

OPERATING TEMPERATURE:

0° TO 60°C FOR MODELS WITH OUTPUT <12V

0° TO 70°C FOR MODELS WITH OUTPUT ≥12V

STORAGE TEMPERATURE:

-40° TO 85°C

RELATIVE HUMIDITY:

OPERATING; 0-90% NON-CONDENSING

ALTITUDE:

UP TO 10000 FEET

RANDOM VIBRATION/TRANSIENT DROP:

MIL-STD 810E

MTBF:

>200,000 HOURS @ 25° AMBIENT TEMPERATURE, FULL LOAD, NOMINAL LINE, MIL-217 STD.

SAFETY:

HIPOT (PRI-SEC) 4242 VDC FOR ITE VERSION

EARTH LEAKAGE:

< 0.3mA @ 50/60Hz, 264 VAC INPUT

APPROVAL:

UL60950-1 (3RD EDITION), CUL TO 22.2 NO. 60950-1, CB REPORT, DEMKO TO EN60950-1

EMI:

EN55022 CLASS B AND FCC PART 15, TESTED WITH RESISTIVE LOAD.

CE MARK:

EN61000-3-2, EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4

NOTES:

1. ALL MEASUREMENTS ARE MADE DIRECTLY AT THE TERMINALS OF THE SUPPLY.
2. OUTPUT RIPPLE AND SPIKE ARE MEASURED DIRECTLY AT THE OUTPUT TERMINALS OF THE POWER SUPPLY WITH 10µF TANTALUM AND 0.1µF CERAMIC CAPACITORS CONNECTED IN PARALLEL. PEAK-TO-PEAK METERING EQUIPMENT MUST HAVE A 20 MHz FREQUENCY RESPONSE WITH PROBES AND CABLES THAT MAINTAIN A FREQUENCY RESPONSE OF 20Hz TO 20MHz. OUTPUT RIPPLE SPECS OF 3.3V AND 5V MODELS IS 2% OF RESPECTIVE OUTPUT VOLTAGE.
3. CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOAD SET TO FULL. PSU AND RESISTIVE LOAD WERE MOUNTED TOGETHER IN A 30 x 30 x 3 mm ALUMINUM PLATE.
4. REMOTE SENSE WIRE SHOULD BE TWISTED TOGETHER WHEN USED.
5. ALL MEASUREMENTS ARE MADE AT 25°C AMBIENT TEMPERATURE AND ARE TYPICAL.
6. MOUNTING MAXIMUM INSERTION DEPTH IS 3MM.
7. GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
8. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



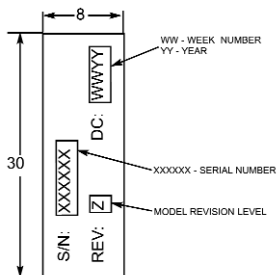
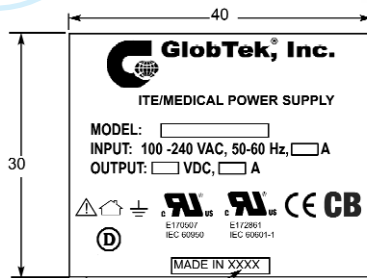
Switcher, 350 Watt, Family, Single Output, Open Frame Universal Input, ITE, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 339)

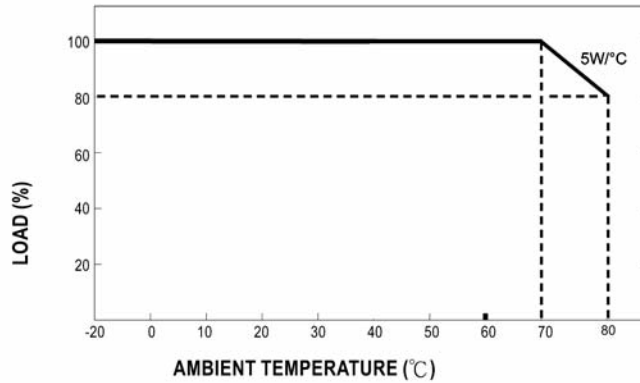
OUTPUT VOLTAGE / CURRENT: 350 WATTS MODELS

MODEL NUMBER		OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9200P1853.3-X.X	[HIOXXX or HORXXX or HOXXX]	3.3	56	185
GT-9200P2313.3-X.X	[S or R or HIXXX]	3.3	70	237
GT-9200P2805-X.X	[HIOXXX or HORXXX or HOXXX]	5	56	280
GT-9200P3505-X.X	[S or R or HIXXX]	5	70	350
GT-9200P3507.5-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	7.5	46.67	350
GT-9200P3509-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	9	38.89	350
GT-9200P35012-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	12	29.17	350
GT-9200P35015-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	15	23.33	350
GT-9200P35018-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	18	19.44	350
GT-9200P35024-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	24	14.58	350
GT-9200P35036-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	36	9.72	350
GT-9200P35048-X.X	[S or R or HIOXXX or HORXXX or HOXXX or HIXXX]	48	7.29	350

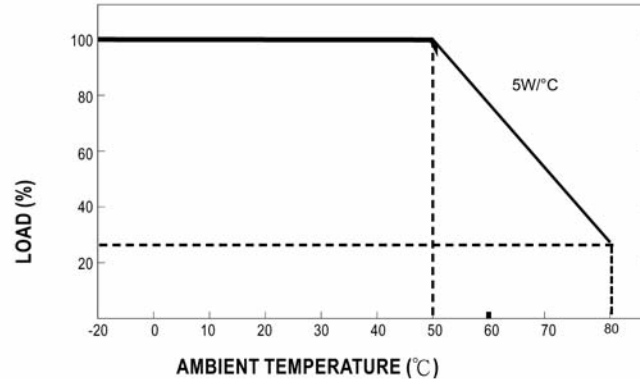
OUTPUT DERATING



MODELS WITH OUTPUT ≥12V



MODELS WITH OUTPUT <12V



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



GT-9200P350



**Switcher, 350 Watt, Family, Single Output,
Open Frame Universal Input, ITE, Class I**

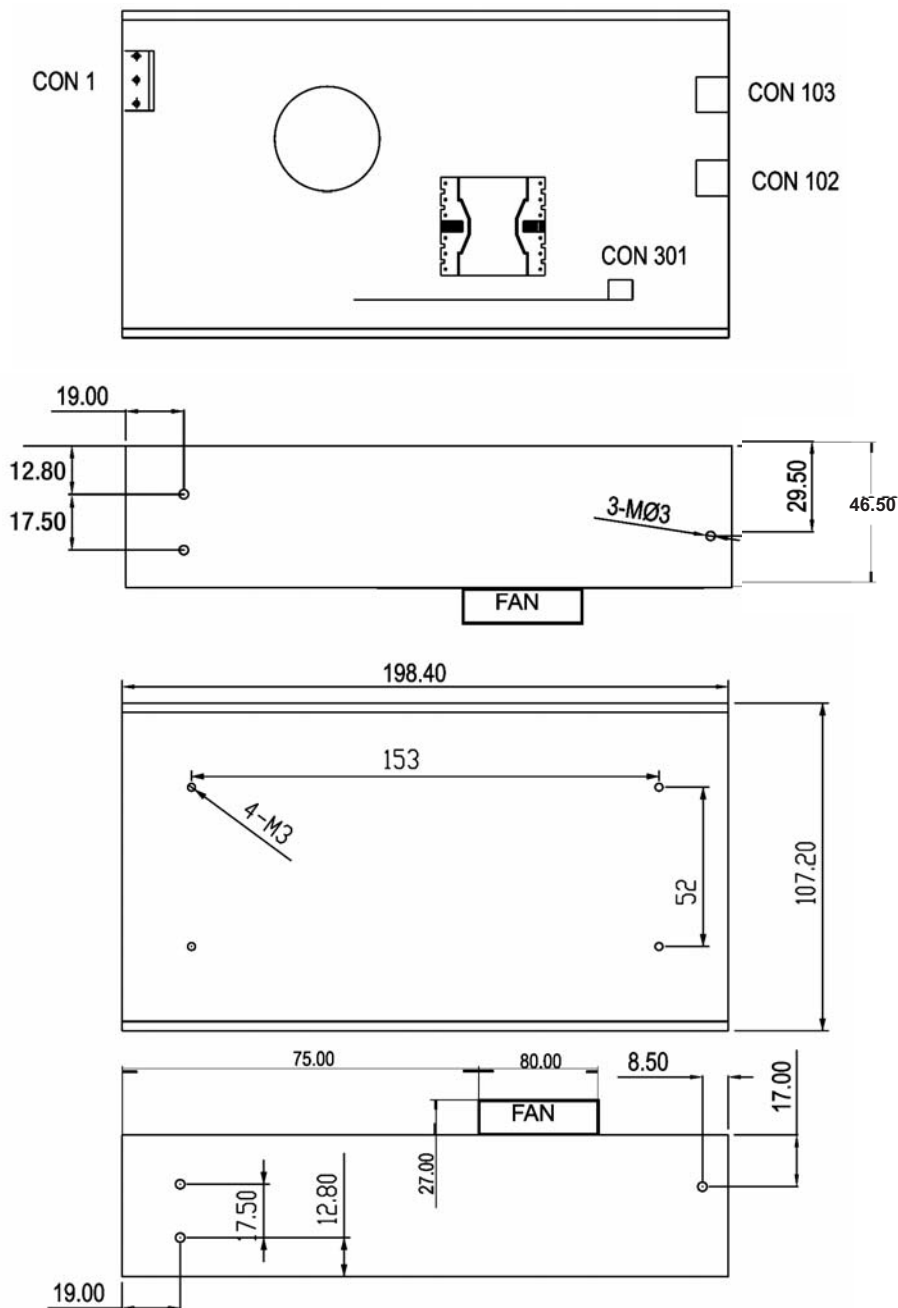
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 339)



MECHANICAL SPECIFICATION

SIZE: 198.40 x 107.20 x 46.50 mm

PIN ASSIGNMENTS:
CON1: (PIN 1: EARTH,
PIN 3: NEUTRAL, PIN 5: LIVE)
MOLEX P/N 26-62-4051 (FOR S and
HOXXX versions)
MOLEX P/N 09-50-3051, CRIMP
TERMINAL P/N 08-52-0071 (FOR
HIXXX and HIOXXX versions)
INALWAYS P/N 0707-1 (FOR VER-
SIONS R and HORXXX)
CON102 (POSITIVE), CON103
(COMMON):
M4X6 SCREW TERMINAL (FOR S,
R and HIXXX versions)
MOLEX P/N 39-01-2165 (FOR
HIOXXX, HIXXX, HOXXX and
HORXXX versions)
MATING CONNECTORS:
CON1: MOLEX P/N 09-50-3051,
CRIMP TERMINAL P/N 08-52-0071
(FOR VERSIONS S and HOXXX)
MOLEX P/N 26-62-4051
(FOR VERSIONS HIXXX and
HIOXXX) CON102 / CON103:
MOLEX P/N 39-28-8160, CRIMP
TERMINAL P/N 44485-1211 (FOR
VERSIONS HIOXXX, HIXXX,
HOXXX and HORXXX)



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



**Switcher, 350 Watt, Family, Single Output,
Open Frame Universal Input, Medical, Class I**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

ELECTRICAL SPECIFICATIONS:

INPUT RANGE:

90-264 VAC

INPUT LINE FREQUENCY:

47-63Hz

INPUT CURRENT:

<5A RMS @ 90VAC

INRUSH CURRENT:

40A TYPICAL, COLD START @ 25°C

EFFICIENCY:

80% TYPICAL AT FULL LOAD

POWER FACTOR:

0.99 TYPICAL

TURN-ON DELAY:

2 SECOND TYPICAL @ 115VAC NOMINAL LINE

INPUT LINE PROTECTION:

MOV TRANSIENT PROTECTED. INPUT LINE FUSE PROVIDED ON-BOARD

SOFT START:

STANDARD ON ALL MODELS

MAXIMUM POWER:

350 WATTS WITH FREE AIR CONVECTION COOLING

ADJUSTMENT RANGE:

± 10%

LOAD REGULATION:

± 2% MEASURED AT THE CONNECTOR SIDE

LINE REGULATION:

± 0.5% MEASURED AT THE CONNECTOR SIDE

HIGH FREQUENCY RIPPLE:

1% OF OUTPUT VOLTAGE, PEAK TO PEAK

TURN ON/OFF OVERSHOOT:

5% MAXIMUM, 1mS RECOVERY TIME

HOLD-UP TIME:

20 mS @ 200W LOAD, 115VAC NOMINAL LINE

TRANSIENT RESPONSE:

1mS RECOVERY TO WITHIN 1% OF THE REGULATION BAND WITH NO MORE THAN 5% OUTPUT VOLTAGE DEVIATION @ 50% LOAD STEP.

OVERLOAD PROTECTION:

PROTECTED @ 115-130% OF FULL LOAD RATING FOLD BACK

SHORT CIRCUIT:

FOLDBACK, AUTORECOVER UPON REMOVAL OF SHORT

OVERVOLTAGE:

10% TO 20% ABOVE NOMINAL OUTPUT, LATCH

INDICATOR:

GREEN LED FOR OUTPUT PRESENCE

FAN OUTPUT:

12V @ 0.15A (UNREGULATED)

MODEL DESCRIPTION:

GTM9200P1323.3-X.X TO 20048-X.X

GT: GLOBTEK SERIES

M: MEDICAL GRADE

9200: FAMILY DESIGNATOR

1853.3 TO 35048: 185W 3.3V TO 350W 48V OUTPUT

POWER OUTPUT VOLTAGE

X.X: OUTPUT VOLTAGE DEVIATION FROM STANDARD

MODEL BY SUBTRACTING X.X VOLT FROM STANDARD

OUTPUT VOLTAGE.

S: INPUT HEADER AND OUTPUT METAL TERMINAL

ON BOARD.

R: IEC INPUT RECEPTACLE AND OUTPUT METAL TERMINAL

ON BOARD.

HIOXXX: INPUT AND OUTPUT WIRE HARNESS. WHERE XXX

CAN BE FROM 000 TO 999 (MAXIMUM LENGHT FOR INPUT IS

100MM AND 200MM FOR OUTPUT).

HORXXX: IEC INPUT RECEPTACLE ON BOARD AND OUTPUT

WIRE HARNESS. WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE LENGHT FOR OUTPUT IS 200MM).

HOXXX: INPUT HEADER ON BOARD AND OUTPUT WIRE

HARNESS. WHERE XXX CAN BE FROM 000 TO 999

(MAXIMUM WIRE LENGHT FOR OUTPUT IS 200MM).

HIXXX: INPUT WIRE HARNESS. OUTPUT METAL TERMINAL ON

BOARD. WHERE XXX CAN BE FROM 000 TO 999 (MAXIMUM

WIRE LENGHT FOR INPUT IS 100MM).

REMOTE ON/OFF:

OPEN, INHIBITS OUTPUT.

DC POWER GOOD:

TTL LOGIC GOES HIGH AFTER THE OUTPUT IS IN REGULATION. IT GOES LOW WHEN THERE IS LOSS OF REGULATION.

REMOTE SENSE:

COMPENSATE FOR 0.5V LEAD DROP. WILL OPERATE WITHOUT REMOTE SENSE CONNECTION.

TEMPERATURE COEFFICIENT:

± 0.02% PER °C, TYPICAL

OPERATING TEMPERATURE:

0° TO 60°C FOR MODELS WITH OUTPUT <12V

0° TO 70°C FOR MODELS WITH OUTPUT ≥12V

STORAGE TEMPERATURE:

-40° TO 85°C

RELATIVE HUMIDITY:

OPERATING; 0-90% NON-CONDENSING

ALTITUDE:

UP TO 10000 FEET

RANDOM VIBRATION/TRANSIENT DROP:

MIL-STD 810E

MTBF:

>200,000 HOURS @ 25° AMBIENT TEMPERATURE, FULL LOAD, NOMINAL LINE, MIL-217 STD.

SAFETY:

HIPOT (PRI-SEC)

5656 VDC

EARTH LEAKAGE:

< 0.3mA @ 50/60Hz, 264 VAC INPUT

APPROVAL:

UL60601-1, CUL TO 22.2 NO. 60601-1, CB REPORT, DEMKO TO EN60601-1.

EMI:

EN55022 CLASS B AND FCC PART 15, TESTED WITH RESISTIVE LOAD.

CE MARK:

EN61000-3-2, EN61000-3-3 AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4

NOTES:

1. MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT.
2. ALL MEASUREMENTS ARE MADE DIRECTLY AT THE TERMINALS OF THE SUPPLY.
3. OUTPUT RIPPLE AND SPIKE ARE MEASURED DIRECTLY AT THE OUTPUT TERMINALS OF THE POWER SUPPLY WITH 10µF TANTALUM AND 0.1µF CERAMIC CAPACITORS CONNECTED IN PARALLEL. PEAK-TO-PEAK METERING EQUIPMENT MUST HAVE A 20 MHz FREQUENCY RESPONSE WITH PROBES AND CABLES THAT MAINTAIN A FREQUENCY RESPONSE OF 20Hz TO 20MHz. OUTPUT RIPPLE SPECS OF 3.3V AND 5V MODELS IS 2% OF RESPECTIVE OUTPUT VOLTAGE.
4. CONDUCTED AND RADIATED EMI WERE PERFORMED WITH RESISTIVE LOAD SET TO FULL. PSU AND RESISTIVE LOAD WERE MOUNTED TOGETHER IN A 30 x 30 x 3 mm ALUMINUM PLATE.
5. REMOTE SENSE WIRE SHOULD BE TWISTED TOGETHER WHEN USED.
6. ALL MEASUREMENTS ARE MADE AT 25°C AMBIENT TEMPERATURE AND ARE TYPICAL.
7. MOUNTING MAXIMUM INSERTION DEPTH IS 3MM.
8. GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
9. SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.



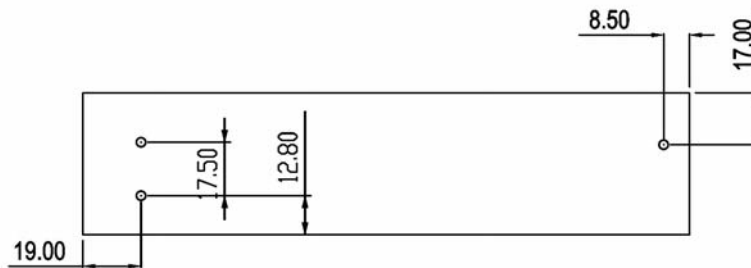
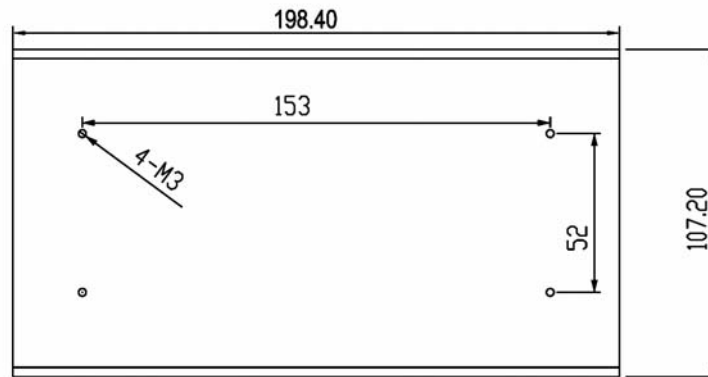
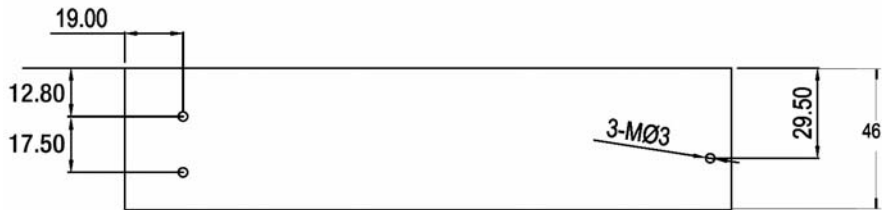
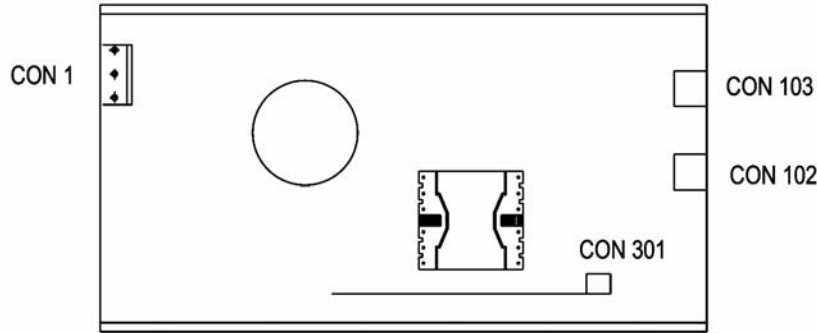


Switcher, 350 Watt, Family, Single Output, Open Frame Universal Input, Medical, Class I

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MECHANICAL SPECIFICATION

SIZE: 198.40 x 107.20 x 46.50 mm



PIN ASSIGNMENTS:
 CON1: (PIN 1: EARTH,
 PIN 3: NEUTRAL, PIN 5: LIVE)
 MOLEX P/N 26-62-4051 (FOR S and HOXXX versions)
 MOLEX P/N 09-50-3051, CRIMP TERMINAL P/N 08-52-0071 (FOR HIXXX and HIOXXX versions)
 INALWAYS P/N 0707-1 (FOR VERSIONS R and HORXXX)
 CON102 (POSITIVE), CON103 (COMMON):
 M4X6 SCREW TERMINAL (FOR S, R and HIXXX versions)
 MOLEX P/N 39-01-2165 (FOR HIOXXX, HIXXX, HOXXX and HORXXX versions)
 MATING CONNECTORS:
 CON1: MOLEX P/N 09-50-3051, CRIMP TERMINAL P/N 08-52-0071 (FOR VERSIONS S and HOXXX)
 MOLEX P/N 26-62-4051 (FOR VERSIONS HIXXX and HIOXXX)
 CON102 / CON103: MOLEX P/N 39-28-8160, CRIMP TERMINAL P/N 44485-1211 (FOR VERSIONS HIOXXX, HIXXX, HOXXX and HORXXX)



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**400 Watts, Switchmode Power Supply,
Universal Input, Hot Swappable, N+1**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
< 5.0 A RMS AT 115 VAC INPUT

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
MULTI-OUTPUT NO MINIMUM LOAD

OUTPUT POWER (RATED):
400 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
±1% MAXIMUM FOR 5V & 12V, ±50mV FOR 3.3V

OUTPUT REGULATION (LINE/LOAD):
+ 2% (3.3 AND 5V) ± 5% (12V) MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
+ 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):
REMOTE SENSING FOR ALL OUTPUT IMPLEMENTED.

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
16 mSEC MIN AT NOMINAL INPUT AND FULL LOAD

INRUSH CURRENT:
50 A MAX AT COLD START FOR N.A. (100A FOR EURO)

EFFICIENCY:
70 % TYPICAL

POWER FACTOR:
ACTIVE POWER FACTOR CORRECTOR 0.96 MINIMUM

SWITCHING FREQUENCY:
100 KHZ TYPICAL

REDUNDANCY:
UNIT CAN BE PARALLELED W/SIMILAR UNIT (1±1)

CURRENT SHARING:
±10% AT FULL LOAD

REMOTE SENSING:
REMOTE SENSING FOR ALL OUTPUT IMPLEMENTED

REMOTE SHUTDOWN:
REMOTE SHUTDOWN PIN IS AVAILABLE

OVER-VOLTAGE PROTECTION:
OUTPUT VOLTAGE SHUTDOWN -LATCHED (INPUT LINE RE-CYCLE REQUIRED) LESS 115% OF NOMINAL VOLTAGE.

OVER-CURRENT / SHORT CIRCUIT:
HICCUP WITH AUTO RECOVERY TO 1.1 - 1.2 IO

OTHER PROTECTION:
INPUT FUSING

POWER FACTOR:
ACTIVE POWER FACTOR CORRECTOR 0.96 MINIMUM

SIGNAL:

DC OK SIGNAL:

A "POWER GOOD" SIGNAL IS ASSERTED BY THE SUPPLY TO INDICATE THAT THE + 5VDC OUTPUT IS WITHIN REGULATION LIMITS.

AC OK SIGNAL:

AC OK SIGNAL IS ASSERTED HIGH 16 mS BEFORE THE DC OUTPUT COMES OUT OF REGULATION.

INDICATOR:

GREEN LED FOR AC OK, AMBER LED FOR DC OK.

SAFETY APPROVALS:

UL/cUL 60950 3-rd EDITION, DEMKO TO EN 60950, CB REPORT, CE

DIELECTRIC WITHSTAND VOLTAGE:

3000VAC PRIMARY-SECONDARY; 1500 VAC PRIMARY-GROUND

INSULATION RESISTANCE:

20 Mohm MIN. PRIMARY- SECONDARY-GROUND

LEAKAGE CURRENT:

≤ 3.5 mA

LINE SURGE:

EN 61000-4-5 LEVEL 2

EMI:

COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:

TESTED TO COMPLY WITH EN61000-3-2 CLASS D, EN61000-3-3 AND EN50082 INCLUDING EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11 LEVEL 4, UNIT IS ELIGIBLE FOR CE MARK.

MTBF:

GREATER THAN 200,000 HOURS AT 25°C AMBIENT TEMPERATURE, FULL - LOAD

OPERATING TEMPERATURE:

0°C TO 50° C

STORAGE TEMPERATURE:

-20°C TO 80° C

HUMIDITY:

0 TO 90% RELATIVE HUMIDITY

COOLING:

2 FANS USED FOR COOLING

MODEL NUMBER CODE:

GT-: INTERNAL CODE;
(P): POWER FACTOR CORRECTION, OPTIONAL
2703 TO 6548: OUTPUT POWER / OUTPUT VOLTAGE
F: OPEN FRAME OR B: PCB MOUNTED
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE.

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-3T400P41F	+3.30	0 - 40.0	
	+5.00	0 - 34.0	
	+12.00	0 - 18.0	400 TOTAL

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



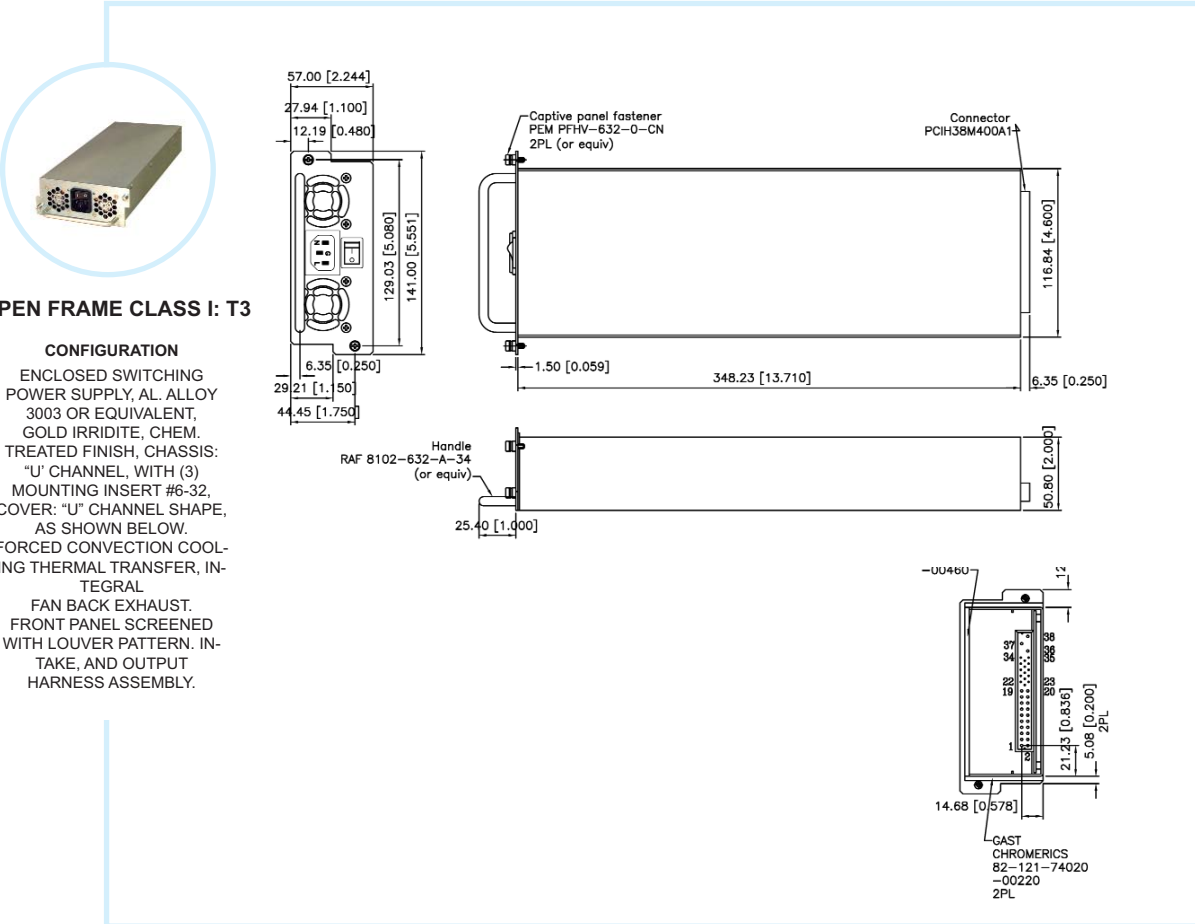
**400 Watts, Switchmode Power Supply,
Universal Input, Hot Swappable, N+1**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



CONFIGURATION

OPEN FRAME SWITCHING POWER SUPPLY WITH MOUNTING HOLES POSITIONED AS BELOW



IN/OUTPUT RATING & PIN ASSIGNMENT, CONNECTOR

P/N:

INPUTS:

ASSIGNMENT	A.C.VOLTAGE	CURRENT	PIN #
L:	100 - 240V~		P1 - L
N:			P1 - N
GND:		50/60Hz	P1 - L

OUTPUTS:

ASSIGNMENT	D.C.VOLTAGE	CURRENT	PIN #
V01	+5V	35A	1, 2, 5, 6
V02	+12V	18A	9, 10, 13, 14
V03	+3.3V	4A	8

DC COM:	17, 18, 19, 20, 36, 37, 38
+5V CURRENT SHARE:	22
+12V CURRENT SHARE:	25
PC:	23
PD: Power Disable	24
+5V REMOTE SENSE:	21
+12V REMOTE SENSE:	27
+3.3V REMOTE SENSE:	28
FAN OK:	32
DC OK:	30
AC OK:	33
NC:	3, 4, 7, 11, 12, 15, 16, 26
	29, 31, 34, 35

MAXIMUM OUTPUT POWER: 400W

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**500 Watts, Universal Input, Single Output Family,
ITE Switchmodes**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 346)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
500 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
± 2% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
+ 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):
REMOTE SENSE OPTION FOR TIGHT OUTPUT REGULATION.

TURN ON / TURN OFF OVERSHOOT:
4% MAX 500µS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20mS TYPICAL AT 120VAC, 70mS TYPICAL AT 230VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
75 % TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
200 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 150% OF NOMINAL LOAD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS (PENDING):
EN60950, UL60950
CB REPORT AND CE MARK

DIELECTRIC WITHSTAND VOLTAGE:
5656VDC (4000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
≤ 300µA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022, CLASS B AND
FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3,
AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL),
EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6,
EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GT: INTERNAL CODE;
-: ITE MODEL, EN 60950
(P): POWER FACTOR CORRECTION, OPTIONAL
1653.3 TO 50048: OUTPUT POWER / OUTPUT VOLTAGE
F: OPEN FRAME OR B: PCB MOUNTED
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

NOTES:

- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
- 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
- 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
- 4) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMICONDUCTOR CASE SHOULD EXCEED 130C
- 5) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID OSCILLATION OF THE POWER SUPPLY.
- 6) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
- 7) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
- 8) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GT-9500-1653.3-X.X	+3.30	0 - 60.0	0 - 160
GT-9500-30005-X.X	+5.00	0 - 80.0	0 - 400
GT-9500-50006-X.X	+6.00	0 - 53.3	0 - 300
GT-9500-5007.5-X.X	+7.50	0 - 40.0	0 - 300
GT-9500-50009-X.X	+9.00	0 - 55.6	0 - 500
GT-9500-50012-X.X	+12.0	0 - 41.7	0 - 500
GT-9500-50013.5-X.X	+13.50	0 - 37.0	0 - 500
GT-95200-50013.8-X.X	+13.8.0	0 - 36.2	0 - 500

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



500 Watts, Universal Input, Single Output Family, ITE Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)
Medical Models (See Page 346)



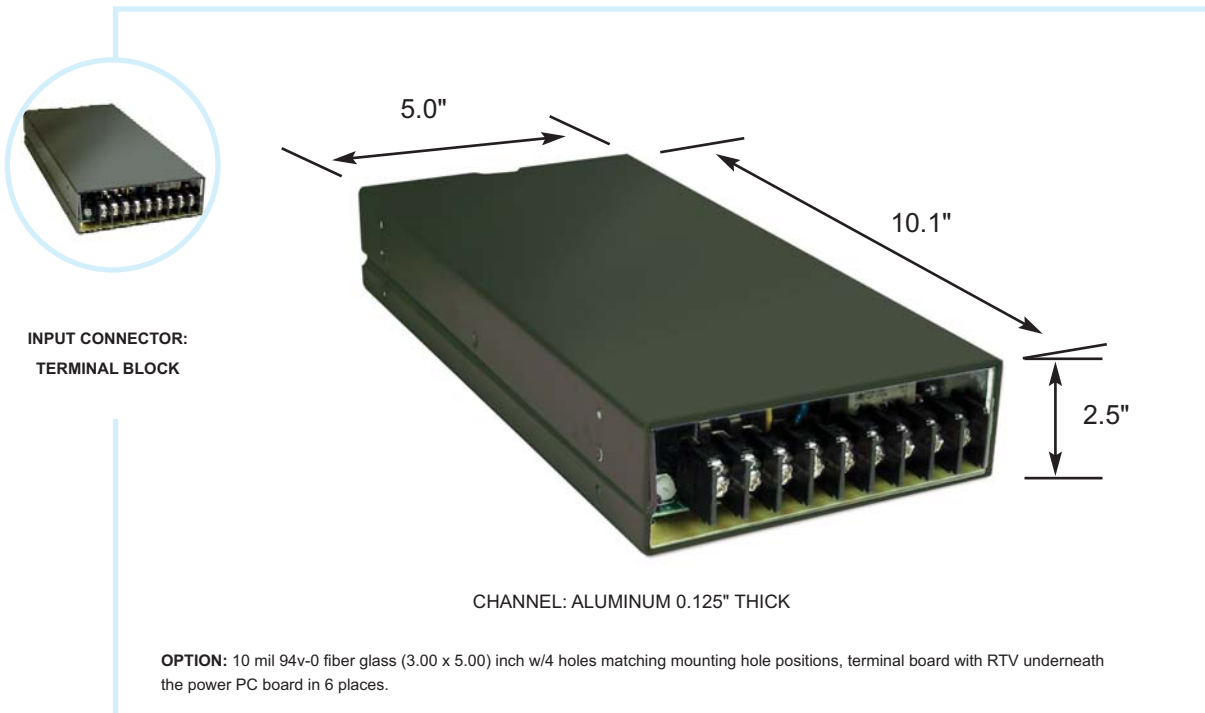
FOR INDOOR USE ONLY

Table with 4 columns: MODEL NUMBER, OUTPUT VOLTAGE (VDC), OUTPUT CURRENT (A), RATED OUTPUT POWER (W). Rows include models like GT-9500-50015-X.X, GT-9500-50018-X.X, etc.



ENCLOSURE

CONFIGURATION: ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOW BELOW.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**500 Watts, Universal Input, Single Output Family,
Medical Grade Switchmodes**

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



FOR INDOOR USE ONLY



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:
100 VAC TO 240 VAC

INPUT CURRENT:
6.0 A AT 90 VAC AND 3.0A AT 240 VAC MAXIMUM

INPUT FREQUENCY:
47 HZ - 63 HZ

OUTPUT CURRENT:
NO MINIMUM LOAD CURRENT REQUIRED TO MAINTAIN REGULATION

OUTPUT POWER (RATED):
500 WATTS MAX

OUTPUT RIPPLE (PEAK TO PEAK):
LESS THAN 1% OF THE NOMINAL OUTPUT VOLTAGE

OUTPUT REGULATION (LINE/LOAD):
± 2% MEASURED AT OUTPUT CONNECTOR

LINE REGULATION:
± 0.5 % OUTPUT MEASURED AT OUTPUT CONNECTOR

REMOTE SENSING (OPTION):
REMOTE SENSE OPTION FOR TIGHT OUTPUT REGULATION.

TURN ON/ TURN OFF OVERTHOOT:
4% MAX 500uS MAX RECOVERY TIME FOR 25% STEP LOAD

TURN-ON DELAY:
1 SEC MAX

HOLD-UP TIME:
20mS TYPICAL AT 120VAC, 70mS TYPICAL AT 230VAC

INRUSH CURRENT:
40A MAXIMUM AT 120VAC AND 60A MAXIMUM AT 230VAC

EFFICIENCY:
75 % TYPICAL

POWER FACTOR:
0.8 TYP., CURRENT SHAPER PFC FRONT STAGE

SWITCHING FREQUENCY:
200 KHZ TYPICAL

OVER-VOLTAGE PROTECTION:
OUTPUT LIMITED BETWEEN 130 TO 150% OF NOMINAL LOAD, HICCUP MODE

OVER-CURRENT / SHORT CIRCUIT:
HICCUP MODE WITH AUTORECOVERY ONCE FAULT HAS BEEN REMOVED

OTHER PROTECTION:
DUAL FUSING, LINE AND NEUTRAL FOR MEDICAL GRADE AND LINE FUSING FOR ITE GRADE

SAFETY APPROVALS (PENDING):
EN60601.1 AND UL60601.1
CB REPORT AND CE MARK

DIELECTRIC WITHSTAND VOLTAGE:
5656VDC (4000VAC) PRIMARY-SECONDARY;
2121VDC (1500VAC) PRIMARY- GROUND

LEAKAGE CURRENT:
≤ 300uA AT 240VAC

LINE SURGE:
EN 61000-4-5 LEVEL 4

EMI:
COMPLIES WITH EN55022, CLASS B AND FCC PART 15 CLASS B WHEN TESTED WITH A RESISTIVE LOAD, BOTH CONDUCTED AND RADIATED

CE MARK:
TESTED TO COMPLY WITH EN61000-3-2 EN61000-3-3, AND EN50082-1, INCLUDING EN61000-4-2 (SYSTEM LEVEL), EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-11, LEVEL 4. UNIT IS ELIGIBLE FOR CE MARK.

MTBF:
200K HRS, ROOM TEMPERATURE, GROUND BENIGN

OPERATING TEMPERATURE:
0° TO 40°C

STORAGE TEMPERATURE:
-40°C TO 85°C

HUMIDITY:
NON-CONDENSING; 5% TO 90% RH

MODEL NUMBER CODE:
GT: INTERNAL CODE;
-: MEDICAL MODEL, EN 60601.1
(P): POWER FACTOR CORRECTION, OPTIONAL
1653.3 TO 50048: OUTPUT POWER / OUTPUT VOLTAGE
F: OPEN FRAME OR B: PCB MOUNTED
-: CLASS I PROTECTIVE GROUND OR W: CLASS II, DOUBLE INSULATED

- NOTES:**
- 1) THE MEDICAL VERSION IS DESIGNED NOT TO BE USED IN SYSTEM WITH DIRECT PATIENT CONTACT APPLICATIONS.
 - 2) SWITCHING FREQUENCY NOISE MEASUREMENT ARE MADE ACROSS A 20MHZ BANDWIDTH WITH 10UF TATALUM CAPACITOR AND 0.1UF CERAMIC CAPACITOR CONNECTED AT THE OUTPUT CONNECTOR.
 - 3) CONDUCTED AND RADIATED EMI WHERE PERFORMED WITH RESISTIVE LOADS SET TO FULL LOAD, NOMINAL LINES.
 - 4) FOR OPTIMUM RELIABILITY, NO PART OF THE HEATSINK SHOULD EXCEED 120C AND NO SEMICONDUCTOR CASE SHOULD EXCEED 130C
 - 5) WHEN REMOTE SENSE IS USED, THE REMOTE SENSE WIRE SHOULD BE TWISTED AT 2 TWIST PER INCH TO AVOID OSCILLATION OF THE POWER SUPPLY.
 - 6) ALL MEASUREMENTS ARE PERFORMED AT 25C ROOM AMBIENT AND ARE TYPICAL.
 - 7) GLOBTEK PRODUCTS ARE NOT AUTHORIZED TO BE USED AS MISSION CRITICAL COMPONENTS IN LIFE SUPPORT HAZARDOUS ENVIRONMENT, NUCLEAR OR AIRCRAFT APPLICATION WITHOUT PRIOR WRITTEN APPROVAL FROM THE CEO OF GLOBTEK INC.
 - 8) CONTENTS OF THIS DOCUMENTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

OUTPUT VOLTAGE / CURRENT:
CLASS I MODELS, PROTECTIVE GROUND
CLASS II MODELS, DOUBLE INSULATED

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9500-1653.3-X.X	+3.30	0 - 60.0	0 - 160
GTM9500-30005-X.X	+5.00	0 - 80.0	0 - 400
GTM9500-50006-X.X	+6.00	0 - 53.3	0 - 300
GTM9500-5007.5-X.X	+7.50	0 - 40.0	0 - 300
GTM9500-50009-X.X	+9.00	0 - 55.6	0 - 500
GTM9500-50012-X.X	+12.0	0 - 41.7	0 - 500
GTM9500-50013.5-X.X	+13.50	0 - 37.0	0 - 500
GTM95200-50013.8-X.X	+13.8.0	0 - 36.2	0 - 500

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



500 Watts, Universal Input, Single Output Family, Medical Grade Switchmodes

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

FOR INDOOR USE ONLY

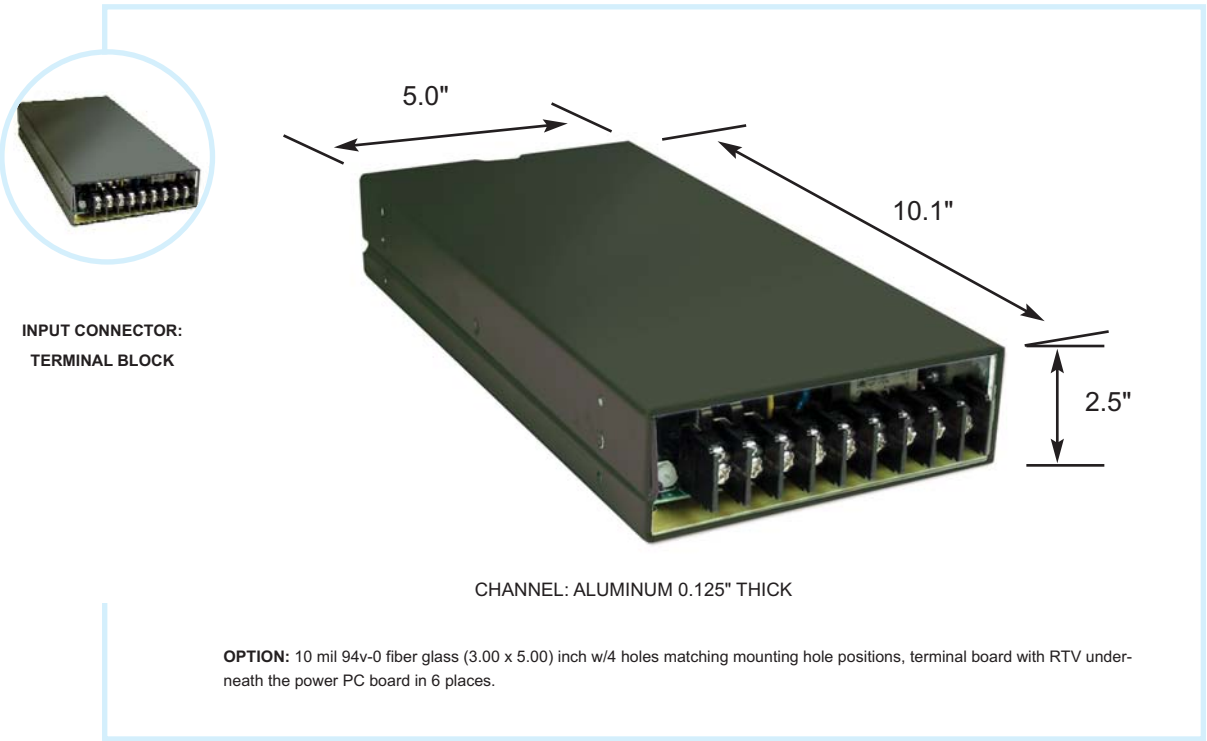


MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM9500-50015-X.X	+15.0	0 - 33.3	0 - 500
GTM9500-50018-X.X	+18.0	0 - 27.8	0 - 500
GTM9500-50024-X.X	+24.0	0 - 20.8	0 - 500
GTM95200-50036-X.X	+36.0	0 - 13.8	0 - 500
GTM9500-50048-X.X	+48.0	0 - 10.4	0 - 500



ENCLOSURE

CONFIGURATION:
ENCLOSED SWITCHING POWER SUPPLY, WITH MOUNTING HOLES, POSITIONED AS SHOW BELOW.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



Desktop & Wall Plug-In Linear Adaptors





ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

GENERAL SPECIFICATIONS:

Input Voltage/ Frequency: 120VAC+/-10%/60Hz for N.A.Type Models
100VAC+/-10%/50-60Hz for Japan Models (GT-3J only)

Output Voltage Tolerance:
+/-5% at full load

Protection:
Primary Thermal Fuse

Configuration:
Step Down Line Transformer with Rectifier- Capacitor Filter, North America Wall Plug-In or DeskTop Dual Cord In/ Out (GT-3 only)

Operating Temperature:
0° to 40° C

Humidity:
0%-90% R.H., non-condensing

Storage Temperature:
-20° to 70° C

Dielectric Strength:
1500VAC pri-sec
1500VAC pri-ground / 500VAC sec-ground (option)

Enclosure:
Black Polycarbonate, UL94V-0

Cooling:
Thermal Convection, no-vents

Cords:
Input (desktop for GT-3 only): 6ft, 2 or 3 conductor SPT-1
Output: Standard 6ft, 2 conductor, 24-16 AWG. For other output cords, please refer to Output Plug/Cord Options

Safety:
GT-3 Type: UL1310, C-UL22.2-223, UL E132594, CSA22.2-223
GT-8 Type: UL60950 3rd edition, Double Insulated, CUL to CSA 22.2-950, UL E170507
UL 697 Toy Transformer (Some Models)

EMI:
FCC Class B

Model Selection Road Map Example:

1. Required: Class 2 Transformer 1310 9VDC / 700mA, N.A. "2" Prong Plug, Wall Plug-In, Output Plug Center Positive 2.5mm ID Barrel.
2. Selection table presented in increasing output voltage order; page 2: locate 9V with higher incremental current: GT-341-9-1000
3. Model Selected: GT-341-9-700 w/ case Size EI-41; Please refer to Adaptors Case Style.
4. Output Plug/Cord selected "L-"; Please refer to Adaptors Plug/Cord Options



Notes:

- 1) For Japanese models add "J" before Unit Size Code (GT-3J only)
- 2) For unit size and output cords please refer to Adaptors Case Style and Adaptors Output Plug/Cord Options.
- *3) Within each Model, Output Current may vary from 50mA to max load specified in 50mA increments preserving output voltage +/-5% Tolerance

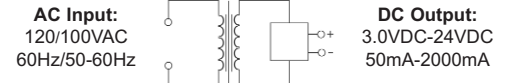
Unit Size Codes:

EI 35,41,48,57,60, 66: Transformer Core Size:

Options:

- 1) Primary earth ground pin and secondary/shield ground (GT-3 only)
- 2) Custom output cords, connectors and shielding
- 3) Other outputs or custom design per customer specifications

Schematic Diagrams:



** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-801540-3512	1.5	400	35 R
GT-801550-3512	1.5	500	35 R
GT-801560-3512	1.5	600	35 R
GT-801570-3512	1.5	700	35 R
GT-801580-3512	1.5	800	35 R
GT-801590-3512	1.5	900	35 R
GT-80151A-3512	1.5	1000	35 R
GT-3(J)35-3-50	3.0	50	EI-35
GT-3(J)35-3-300	3.0	300	EI-35
GT-80330-3512	3.0	300	EI-35
GT-80340-3512	3.0	400	35 R
GT-80350-3512	3.0	500	35 R
GT-80360-3512	3.0	600	35 R
GT-3(J)35-3-600	3.0	600	EI-35
GT-80370-3512	3.0	700	35 R
GT-80380-4114	3.0	800	41X14

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
RGT-3(J)35-3-800	3.0	800	EI-35
GT-80390-4114	3.0	900	41X14 R
GT-3(J)41-3-1000	3.0	1000	EI-41
GT-8031A-4114	3.0	1000	41X14 R
GT-8031A4-4818	3.0	1400	48X18 R
GT-8031A5-4818	3.0	1500	48X18 R
GT-8032A-5725	3.0	2000	57X25 R
GT-8032A05-5725	3.0	2050	57X25 R
GT-8032A10-5725	3.0	2100	57X25 R
GT-8032A15-5725	3.0	2150	57X25 R
GT-8032A20-5725	3.0	2200	57X25 R
GT-8032A25-5725	3.0	2250	57X25 R
GT-8032A30-5725	3.0	2300	57X25 R
GT-8032A35-5725	3.0	2350	57X25 R
GT-8032A40-5725	3.0	2400	57X25 R
GT-3(J)35-3.6-50	3.6	50	EI-35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)35-3.6-250	3.6	250	EI-35
GT-3(J)35-3.6-500	3.6	500	EI-35
GT-3(J)35-3.6-700	3.6	700	EI-35
GT-3(J)41-4-1000	4.0	1000	EI-41
GT-3(J)48-4-1000	4.0	1000	EI-48
GT-3(J)48-4-1500	4.0	1500	EI-48
GT-3(J)35-4.5-50	4.5	50	EI-35
GT-3(J)35-4.5-250	4.5	250	EI-35
GT-804525-3512	4.5	250	35 R
GT-804530-3512	4.5	300	35 R
GT-804535-3512	4.5	350	35 R
GT-804540-3512	4.5	400	35 R
GT-804545-3512	4.5	450	35 R
GT-804550-3512	4.5	500	35 R
GT-3(J)35-4.5-500	4.5	500	EI-35
GT-804555-3512	4.5	550	35 R
GT-804560-4114	4.5	600	41X14 R
GT-3(J)35-4.5-600	4.5	600	EI-35
GT-3(J)41-4.5-600	4.5	600	EI-41
GT-804570-4114	4.5	700	41X14 R
GT-3(J)41-4.5-800	4.5	800	EI-41
GT-804580-4114	4.5	800	41X14 R
GT-804585-4114	4.5	850	41X14 R
GT-3(J)41-4.5-900	4.5	900	EI-41
GT-3(J)41-4.5-1000	4.5	1000	EI-41
GT-80451A2-4818	4.5	1200	48X18 R
GT-80451A3-4818	4.5	1300	48X18 R
GT-3(J)41-4.5-1300	4.5	1300	EI-41
GT-80451A4-4818	4.5	1400	48X18 R
GT-80451A5-4818	4.5	1500	48X18 R
GT-80452A-5725	4.5	2000	57X25 R
GT-80452A05-5725	4.5	2050	57X25 R
GT-80452A10-5725	4.5	2100	57X25 R
GT-80452A15-5725	4.5	2150	57X25 R
GT-80452A20-5725	4.5	2200	57X25 R
GT-80452A25-5725	4.5	2250	57X25 R
GT-80452A30-5725	4.5	2300	57X25 R
GT-80452A35-5725	4.5	2350	57X25 R
GT-80452A40-5725	4.5	2400	57X25 R
GT-3(J)35-5-50	5.0	50	EI-35
GT-3(J)35-5-200	5.0	200	EI-35
GT-80520-3512	5.0	200	35 R

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-80525-3512	5.0	250	35 R
GT-8530-3512	5.0	300	35 R
GT-80540-3512	5.0	400	35 R
GT-3(J)35-5-400	5.0	400	EI-35
GT-3(J)35-5-500	5.0	500	EI-35
GT-3(J)41-5-500	5.0	500	EI-41
GT-80550-3512	5.0	500	35 R
GT-80555-4114	5.0	550	41X14 R
GT-80560-4114	5.0	600	41X14 R
GT-3(J)41-5-700	5.0	700	EI-41
GT-80570-4114	5.0	700	41X14 R
GT-3(J)41-5-800	5.0	800	EI-41
GT-80580-4114	5.0	800	41X14 R
GT-80585-4114	5.0	850	41X14 R
GT-3(J)41-5-900	5.0	900	EI-41
GT-8051A-4818	5.0	1000	48X18 R
GT-8051A1-4818	5.0	1100	48X18 R
GT-8051A2-4818	5.0	1200	48X18 R
GT-3(J)41-5-1200	5.0	1200	EI-41
GT-8031A3-4818	5.0	1300	48X18 R
GT-3(J)48-5-1400	5.0	1400	EI-48
GT-8051A50-5716	5.0	1500	57X16 R
GT-8051A60-5716	5.0	1600	57X16 R
GT-8051A70-5716	5.0	1700	57X16 R
GT8051A80-5720	5.0	1800	57X20 R
GT-8051A90-5720	5.0	1900	57X20 R
GT-8052A-5725	5.0	2000	57X25 R
GT-8052A10-5725	5.0	2100	57X25 R
GT-8052A20-5725	5.0	2200	57X25 R
GT-8052A30-5725	5.0	2300	57X25 R
GT-8052A40-5725	5.0	2400	57X25 R
GT-3(J)35-5.2-200	5.0	200	EI-35
GT-3(J)35-5.2-400	5.2	400	EI-35
GT-3(J)35-6-50	6.0	50	EI-35
GT-3(J)35-6-200	6.0	200	35 R
GT-80620-3512	6.0	200	35 R
GT-80625-3512	6.0	250	35 R
GT-80630-3512	6.0	300	35 R
GT-80635-3512	6.0	350	35 R
GT-80640-3512	6.0	400	35 R
GT-3(J)35-6-400	6.0	400	EI-35
GT-80645-3512	6.0	450	35 R



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

CEC EISA E132594

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)35-6-500	6.0	500	EI-35
GT-3(J)41-6-500	6.0	500	EI-41
GT-80650-3512	6.0	500	35 R
GT-80660-4114	6.0	600	41X14 R
GT-80670-4114	6.0	700	41X14 R
GT-3(J)41-6-700	6.0	700	EI-41
GT-3(J)41-6-800	6.0	800	EI-41
GT-3(J)41-6-900	6.0	900	EI-41
GT-8061A-4818	6.0	1000	48X18 R
GT-8061A1-4818	6.0	1100	48X18 R
GT-8061A2-4818	6.0	1200	48X18 R
GT-3(J)41-6-1200	6.0	1200	EI-41
GT-3(J)48-6-1200	6.0	1200	EI-48
GT-3(J)48-6-1400	6.0	1400	EI-48
GT-8061A40-5716	6.0	1400	57X16 R
GT-8061A50-5716	6.0	1500	57X16 R
GT-8061A60-5716	6.0	1600	57X16 R
GT-8061A70-5720	6.0	1700	57X20 R
GT-8061A80-5720	6.0	1800	57X20 R
GT-8061A90-5725	6.0	1900	57X25 R
GT-8062A-5725	6.0	2000	57X25 R
GT-8062A10-5725	6.0	2100	57X25 R
GT-8062A20-5725	6.0	2200	57X25 R
GT-8062A30-5725	6.3	2300	57X25 R
GT-3(J)41-6.3-100	6.3	100	EI-41
GT-3(J)41-6.3-500	6.8	500	EI-41
GT-3(J)41-6.8-400	7.0	400	EI-41
GT-3(J)35-7-50	7.0	50	EI-35
GT-3(J)35-7-150	7.0	150	EI-35
GT-3(J)35-7-300	7.0	300	EI-35
GT-3(J)35-7-400	7.0	400	EI-35
GT-3(J)41-7-450	7.0	450	EI-41
GT-3(J)41-7-600	7.0	600	EI-41
GT-3(J)41-7-700	7.0	700	EI-41
GT-3(J)41-7-800	7.0	800	EI-41
GT-3(J)48-7-1100	7.0	1100	EI-48
GT-3(J)48-7-1300	7.0	1300	EI-48
GT-3(J)35-7.2-75	7.2	75	EI-35
GT-3(J)41-7.2-300	7.2	300	EI-41
GT-3(J)35-7.5-50	7.5	50	EI-35
GT-807520-3512	7.5	200	35 R
GT-807525-3512	7.5	250	35 R

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)35-7.5-250	7.5	250	EI-35
GT-3(J)35-7.5-300	7.5	300	EI-35
GT-807530-3512	7.5	300	35 R
GT-807535-3512	7.5	350	35 R
GT-807540-3512	7.5	400	35 R
GT-3(J)35-7.5-400	7.5	400	EI-35
GT-3(J)41-7.5-450	7.5	450	EI-41
GT-807545-4114	7.5	450	41X14 R
GT-807550-4114	7.5	500	41X14 R
GT-807555-4114	7.5	550	41X14 R
GT-807560-4114	7.5	600	41X14 R
GT-3(J)41-7.5-600	7.5	600	EI-41
GT-807565-4114	7.5	650	41X14 R
GT-3(J)41-7.5-700	7.5	700	EI-41
GT-3(J)41-7.5-800	7.5	800	EI-48
GT-3(J)48-7.5-900	7.5	900	48X18 R
GT-807590-4818	7.5	900	48X18 R
GT-80751A-4818	7.5	1000	48X18 R
GT-3(J)48-7.5-1100	7.5	1100	EI-48
GT-80751A10-5716	7.5	1100	57X16 R
GT-80751A20-5716	7.5	1200	57X16 R
GT-3(J)48-7.5-1300	7.5	1300	EI-48
GT-80751A30-5716	7.5	1300	57X16 R
GT-80751A40-5716	7.5	1400	57X16 R
GT-80751A50-5716	7.5	1500	57X16 R
GT-80751A60-5720	7.5	1600	57X20 R
GT-80751A70-5720	7.5	1700	57X20 R
GT-80751A80-5725	7.5	1800	57X25 R
GT-80751A90-5725	7.5	1900	57X25 R
GT-80752A-5725	7.5	2000	57X25 R
GT-80752A10-5725	7.0	2100	57X25 R
GT-80752A20-5725	7.5	2200	57X25 R
GT-80752A30-5725	7.5	2300	57X25 R
GT-3(J)35-8-50	8.0	50	EI-35
GT-80815-3512	8.0	150	35 R
GT-80820-3512	8.0	200	35 R
GT-3(J)35-8-250	8.0	250	EI-35
GT-80825-3512	8.0	250	35 R
GT-80830-3512	8.0	300	35 R
GT-3(J)35-8-300	8.0	300	EI-35
GT-3(J)35-8-350	8.0	350	EI-35
GT-80835-3512	8.0	350	35 R

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-80840-4114	8.0	400	41X14 R
GT-80845-4114	8.0	450	41X14 R
GT-80850-4114	8.0	500	41X14 R
GT-80855-4114	8.0	550	41X14 R
GT-80860-4114	8.0	600	41X14 R
GT-80880-4818	8.0	800	48X18 R
GT-80890-4818	8.0	900	48X18 R
GT-8081A-4818	8.0	1000	48X18 R
GT-8081A1-4818	8.0	1100	48X18 R
GT-8081A20-5716	8.0	1200	57X16 R
GT-8081A30-5716	8.0	1300	57X16 R
GT-8081A40-5716	8.0	1400	57X16 R
GT-8081A50-5720	8.0	1500	57X20 R
GT-8081A60-5720	8.0	1600	57X20 R
GT-8081A70-5720	8.0	1700	57X20 R
GT-8081A80-5725	8.0	1800	57X25 R
GT-8081A90-5725	8.0	1900	57X25 R
GT-8082A-5725	8.0	2000	57X25 R
GT-8082A10-5725	8.0	2100	57X25 R
GT-8082A20-5725	8.0	2200	57X25 R
GT-3(J)35-8.7-200	8.7	200	EI-35
GT-3(J)35-9-50	9.0	50	EI-35
GT-3(J)35-9-150	9.0	150	35 R
GT-80915-3512	9.0	150	35 R
GT-80920-3512	9.0	200	35 R
GT-80925-3512	9.0	250	35 R
GT-80930-3512	9.0	300	EI-35
GT-3(J)35-9-300	9.0	300	EI-35
GT-3(J)35-9-350	9.0	350	EI-35
GT-80935-3512	9.0	350	35 R
GT-80940-3512	9.0	400	35 R
GT-3(J)41-9-400	9.0	400	EI-41
GT-80945-4114	9.0	450	41X14 R
GT-80950-4114	9.0	500	41X14 R
GT-3(J)41-9-500	9.0	500	EI-41
GT-3(J)41-9-550	9.0	550	EI-41
GT-3(J)41-9-650	9.0	650	EI-41
GT-80980-4818	9.0	800	48X18 R
GT-80985-4818	9.0	850	48X18 R
GT-80990-4818	9.0	900	48X18 R
GT-80995-4818	9.0	950	48X18 R
GT-8091A-4818	9.0	1000	48X18 R

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)41-9-1000	9.0	1000	EI-41
GT-3(J)48-9-1000	9.0	1000	EI-48
GT-3(J)48-9-1200	9.0	1200	EI-48
GT-8091A20-5716	9.0	1200	57X16 R
GT-8091A30-5716	9.0	1300	57X16 R
GT-8091A40-5720	9.0	1400	57X20R
GT-8091A50-5720	9.0	1500	57X20R
GT-8091A60-5725	9.0	1600	57X25 R
GT-8091A70-5725	9.0	1700	57X25 R
GT-8091A80-5725	9.0	1800	57X25 R
GT-81015-3512	10.0	150	35 R
GT-81020-3512	10.0	200	35 R
GT-81025-3512	10.0	250	35 R
GT-3(J)41-10-25	10.0	250	EI-41
GT-81030-3512	10.0	300	35 R
GT-81035-4114	10.0	350	41X14 R
GT-3(J)41-10-350	10.0	350	EI-41
GT-81040-4114	10.0	400	41X14 R
GT-81045-4114	10.0	450	41X14 R
GT-3(J)41-10-450	10.0	450	EI-41
GT-3(J)41-10-500	10.0	500	EI-41
GT-81050-4114	10.0	500	41X14 R
GT-3(J)41-10-650	10.0	650	EI-41
GT-3(J)48-10-700	10.0	700	EI-48
GT-81070-4818	10.0	700	48X18 R
GT-81075-4818	10.0	750	48X18 R
GT-81080-4818	10.0	800	48X18 R
GT-81085-4818	10.0	850	48X18 R
GT-81090-4818	10.0	900	48X18 R
GT-3(J)48-10-900	10.0	900	EI-48
GT-8101A-5716	10.0	1000	57X16 R
GT-3(J)48-10-1100	10.0	1100	EI-48
GT-8101A10-5716	10.0	1100	57X16 R
GT-8101A20-5716	10.0	1200	57X16 R
GT-8101A30-5720	10.0	1300	57X20 R
GT-8101A40-5725	10.0	1400	57X25 R
GT-8101A50-5725	10.0	1500	57X25 R
GT-3(J)57-10-1500	10.0	1500	EI-57
GT-8101A60-5725	10.0	1600	57X25 R
GT-8101A70-5725	10.0	1700	57X25 R
GT-8101A80-5725	10.0	1800	57X25 R
GT-3(J)35-11-50	11.0	50	EI-35



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)35-15-100	15.0	100	EI-35
GT-81510-3512	15.0	100	35 R
GT-81515-3512	15.0	150	35 R
GT-3(J)35-15-150	15.0	150	EI-35
GT-3(J)35-15-200	15.0	200	EI-35
GT-81520-3512	15.0	200	35 R
GT-3(J)41-15-200	15.0	200	EI-41
GT-81525-4114	15.0	250	41X14 R
GT-81530-4114	15.0	300	41X14 R
GT-3(J)41-15-300	15.0	300	EI-41
GT-3(J)41-15-350	15.0	350	EI-41
GT-3(J)41-15-400	15.0	400	EI-41
GT-3(J)41-15-450	15.0	450	EI-41
GT-81550-4818	15.0	500	48X18 R
GT-81560-4818	15.0	600	48X18 R
GT-81570-5716	15.0	700	57X16 R
GT-848-15-1000	15.0	800	EI-48
GT-3(J)48-15-900	15.0	900	EI-48
GT-81590-5716	15.0	900	57X16 R
GT-848-15-1000	15.0	1000	EI-48
GT-8151A-5720	15.0	1000	57X20 R
GT-8151A10-5720	15.0	1100	57X20 R
GT-8151A20-5725	15.0	1200	57X25 R
GT-8151A30-5725	15.0	1300	57X25 R
GT-3(J)35-16-50	16.0	50	EI-35
GT-3(J)35-16-100	16.0	100	EI-35
GT-81610-3512	16.0	100	35 R
GT-81615-3512	16.0	150	35 R
GT-3(J)35-16-150	16.0	150	EI-35
GT-81620-4114	16.0	200	41X14 R
GT-81625-4114	16.0	250	41X14 R
GT-81625-4114	16.0	300	41X14 R
GT-81645-4818	16.0	450	48X18 R
GT-81650-4818	16.0	500	48X18 R
GT-81655-4818	16.0	550	48X18 R
GT-81660-4818	16.0	600	48X18 R
GT-81670-5716	16.0	700	57X16 R
GT-81680-5716	16.0	800	57X16 R
GT-81685-5716	16.0	850	57X16 R
GT-81690-5720	16.0	900	57X20 R
GT-81695-5720	16.0	950	57X20 R
GT-8161A-5720	16.0	1000	57X20 R

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)48-16-1000	16.0	1000	EI-48
GT-8161A10-5725	16.0	1100	57X25 R
GT-8161A15-5725	16.0	1150	57X25 R
GT-8161A20-5725	16.0	1200	57X25 R
GT-8161A25-5725	16.0	1250	57X25 R
GT-8161A30-5725	16.0	1300	57X25 R
GT-3(J)41-16.5-300	16.5	300	EI-41
GT-3(J)41-16.5-350	16.5	350	EI-41
GT-3(J)57-16.5-1500	16.5	1500	EI-57
GT-3(J)35-18-50	18.0	50	EI-35
GT-81805-3512	18.0	50	35 R
GT-81810-3512	18.0	100	35 R
GT-3(J)35-18-100	18.0	100	EI-35
GT-3(J)35-18-150	18.0	150	EI-35
GT-81815-3512	18.0	150	35 R
GT-81820-4114	18.0	200	41X14 R
GT-3(J)41-18-200	18.0	200	EI-41
GT-3(J)18-250	18.0	250	EI-41
GT-81825-4114	18.0	250	41X14 R
GT-81830-4114	18.0	300	41X14 R
GT-3(J)41-18-300	18.0	300	EI-41
GT-3(J)41-18-350	18.0	350	EI-41
GT-3(J)48-18-350	18.0	350	EI-48
GT-3(J)48-18-450	18.0	450	EI-48
GT-81845-4818	18.0	450	48X18 R
GT-81850-4818	18.0	500	48X18 R
GT-3(J)48-18-500	18.0	500	EI-48
GT-3(J)48-18-550	18.0	550	EI-48
GT-3(J)48-18-700	18.0	700	EI-48
GT-81880-5716	18.0	800	57X16 R
GT-81885-5720	18.0	850	57X20 R
GT-81890-5720	18.0	900	57X20 R
GT-81895-5725	18.0	950	57X25 R
GT-8181A-5725	18.0	1000	57X25 R
GT-8181A05-5725	18.0	1050	57X25 R
GT-8181A10-5725	18.0	1100	57X25 R
GT-866-18.5-2000	18.5	2000	EI-66 TT
GT-82005-3512	20.0	50	35 R
GT-3(J)35-20-50	20.0	50	EI-35
GT-3(J)35-20-100	20.0	100	EI-35
GT-82010-3512	20.0	100	35 R
GT-82015-3512	20.0	150	35 R



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

CEC EISA E132594

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)35-20-150	20.0	150	EI-35
GT-82020-4114	20.0	200	41X14 R
GT-82025-4114	20.0	250	41X14 R
GT-82050-4818	20.0	500	48X18 R
GT-82060-5716	20.0	600	57X16 R
GT-82065-5716	20.0	650	57X16 R
GT-82070-5716	20.0	700	57X16 R
GT-82075-5720	20.0	750	57X20 R
GT-82080-5720	20.0	800	57X20 R
GT-82085-5725	20.0	850	57X25 R
GT-82090-5725	20.0	900	57X25 R
GT-3(J)57-20-900	20.0	900	EI-57
GT-82095-5725	20.0	950	57X25 R
GT-8201A-5725	20.0	1000	57X25 R
GT-3(J)35-21-50	21.0	50	EI-35
GT-3(J)35-21-100	21.0	100	EI-35
GT-3(J)35-21-150	21.0	150	EI-35
GT-3(J)41-21-150	21.0	150	EI-41
GT-3(J)41-21-200	21.0	200	EI-41
GT-3(J)41-21-250	21.0	250	EI-41
GT-3(J)41-21-300	21.0	300	EI-41
GT-3(J)48-21-300	21.0	300	EI-48
GT-3(J)48-21-400	21.0	400	EI-48
GT-3(J)48-21-500	21.0	500	EI-48
GT-3(J)48-21-600	21.0	600	EI-48
GT-82205-3512	22.0	50	35 R
GT-3(J)35-22-100	22.0	100	EI-35
GT-82210-3512	22.0	100	35 R
GT-82215-4114	22.0	150	41X14 R
GT-82220-4114	22.0	200	41X14 R
GT-82245-4818	22.0	450	57X18 R
GT-82250-5716	22.0	500	57X16 R
GT-82270-5720	22.0	700	57X20 R
GT-82275-5725	22.0	750	57X25 R
GT-82280-5725	22.0	800	57X25 R
GT-82285-5725	22.0	850	57X25 R
GT-82290-5725	22.0	900	57X25 R
GT-82405-3512	24.0	50	35 R
GT-3(J)35-24-50	24.0	50	EI-35
GT-3(J)35-24-100	24.0	100	EI-35
GT-82410-3512	24.0	100	35 R
GT-82415-4114	24.0	150	41X14 R

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)35-24-150	24.0	150	EI-35
GT-3(J)41-24-150	24.0	150	EI-41
GT-82418-4114	24.0	180	41X14 R
GT-3(J)41-24-200	24.0	200	EI-41
GT-3(J)41-24-250	24.0	250	EI-41
GT-3(J)41-24-300	24.0	300	EI-41
GT-3(J)48-24-350	24.0	350	EI-48
GT-82435-4818	24.0	350	48X18 R
GT-82440-4818	24.0	400	48X18 R
GT-3(J)48-24-450	24.0	450	EI-48
GT-82450-5716	24.0	500	57X16 R
GT-3(J)48-24-550	24.0	550	EI-48
GT-82460-5720	24.0	600	57X20 R
GT-82465-5720	24.0	650	57X20 R
GT-82470-5725	24.0	700	57X25 R
GT-82475-5725	24.0	750	57X25 R
GT-82480-5725	24.0	800	57X25 R
GT-82485-5725	24.0	850	57X25 R
GT-82490-5725	24.0	900	57X25 R
GT-3(J)57-24-1000	24.0	1000	EI-57
GT-82630-4818	26.0	300	48X18 R
GT-82635-4818	26.0	350	48X18 R
GT-82640-4818	26.0	400	48X18 R
GT-82660-5725	26.0	600	57X25 R
GT-82665-5725	26.0	650	57X25 R
GT-82670-5725	26.0	700	57X25 R
GT-82675-5725	26.0	750	57X25 R
GT-82680-5725	26.0	800	57X25 R
GT-82860-5725	28.0	600	57X25 R
GT-82865-5725	28.0	650	57X25 R
GT-82870-5725	28.0	700	57X25 R
GT-83050-5725	30.0	500	57X25 R
GT-83055-5725	30.0	550	57X25 R
GT-83060-5725	30.0	600	57X25 R
GT-83065-5725	30.0	650	57X25 R

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**DC Output, Wall Plug-In and DeskTop**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)**General Specifications: Input Voltage/ Frequency:**230VAC+/-10%/50Hz for Euro.Type Models
240VAC+/-10%/50Hz for Australia, UK Type Models**Output VoltageTolerance:**

+/-5% at full load

Protection:

Primary Thermal Fuse

Configuration:Step Down Line Transformer with Rectifier-Capacitor
Filter, Euro./U.K./Australia (SAA) Type Wall Plug-in
or DeskTop Dual Cord In/ Out**Operating Temperature:**

0° to 40° C

Humidity:

0% to 90% R.H., non-condensing

Storage Temperature:

-20° to 70° C

Dielectric Strength:2500VAC pri-sec
2500VAC pri-ground / 500VAC sec-ground (option)**Enclosure:**

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:Output: Standard, 6ft. 2 conductor, 24-18AWG;
Input: 2 or 3 conductor, (DeskTop)
For other output cords, please refer to Output
Plug/Cord Options**Safety:**All Models are TUV/GS approved to EN60950;
TUV Subscriber #41405
Australian Models comply with AS/NZS 3108**EMI:**

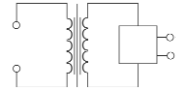
CE Compliant

Model Selection Road Map Example:

1. Required: ITE EN60950 9VDC / 700mA, EURO. "2" Prong Plug, Wall Plug-In, Output Plug Center Positive 2.5mm ID Barrel.
2. Selection table presented in increasing output voltage order; page 3: locate 9VDC/700mA: GT-3T-4B-9-700D
3. Model Selected: GT-3T-4B-9-700D w/ case Size EI-48; Please refer to Adaptors Case Style.
4. Output Plug/Cord selected "L-"; Please refer to Adaptors Plug/Cord Options

Notes:

- 1) For unit size and output cords please refer to Adaptors Case Style and Adaptors Output Plug/Cord Options.
 - 2) For Input Blade Options please refer to International Adaptor for Input Blade Options
 - *3) Within each Model, Output Current may vary from 50mA to max load specified in 50mA increments pre serving output voltage +/-5% Tolerance
 - **4) Optional for specifying Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.
- Unit Size Codes:**
GT-3 Models EI 35,41,48,57,60,66: Transformer Core Size:
Options:
- 1) Primary earth ground pin and secondary/shield ground
 - 2) Custom output cords, connectors and shielding attachments
 - 3) Other outputs or custom design per customer specifications

Schematic Diagram:AC Input:
220/230/240VAC
50HzDC Output:
3.0VDC-30VDC
50mA-2000mA

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-3T35-3-200C	3.0	200	EI-35	■	■				
GT-3T35-3-300C	3.0	300	EI-35	■	■				
GT-3T35-3-400C	3.0	400	EI-35	■	■				
GT-3T41-3-1000D	3.0	1000	EI-41	■	■		■	■	
GT-3T41-4-1000D	4.0	1000	EI-41	■	■		■	■	
GT-3T41-4-1300D	4.0	1300	EI-41	■	■		■	■	
GT-3T48-4-1500D	4.0	1500	EI-48	■	■		■	■	
GT-3T35-4.5-500C	4.5	500	EI-35	■	■				
GT-3T41-4.5-600C	4.5	600	EI-41	■	■		■	■	
GT-3T41-4.5-800C	4.5	800	EI-41	■	■		■	■	
GT-3T35-5.8-180B	6.0	180	EI-35	■	■				
GT-3T35-6-50C	6.0	50	EI-35	■	■				

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY



** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-3T35-6-100C	6.0	100	EI-35	■	■				
GT-3T35-6-150C	6.0	150	EI-35	■	■				
GT-3T35-6-200C	6.0	200	EI-35	■	■				
GT-3T35-6-250C	6.0	250	EI-35	■	■				
GT-3T35-6-300C	6.0	300	EI-35	■	■				
GT-3T35-6-350C	6.0	350	EI-35	■	■				
GT-3T41-6-400C	6.0	400	EI-41	■	■		■	■	
GT-3T41-6-500C	6.0	500	EI-41	■	■		■	■	
GT-3T41-6-600D	6.0	600	EI-41	■	■		■	■	
GT-3T41-6-800D	6.0	800	EI-41	■	■		■	■	
GT-3T48-6-1000D	6.0	1000	EI-48	■	■		■	■	
GT-3T48-6-1200D	6.0	1200	EI-48	■	■		■	■	
GT-3T57-6-1200D	6.0	1200	EI-57	■	■		■	■	
GT-3T57-6-1500D	6.0	1500	EI-57	■	■		■	■	
GT-3T35-7.2-200B	7.2	200	EI-35	■	■		■	■	
GT-3T48-7.2-850B	7.2	850	EI-48	■	■		■		
GT-3T35-7.5-200C	7.5	200	EI-35	■	■	■			
GT-3T35-7.5-250C	7.5	250	EI-35	■	■				
GT-3T35-7.5-300C	7.5	300	EI-35	■	■				
GT-3T41-7.5-400C	7.5	400	EI-41	■	■		■	■	
GT-3T41-7.5-500D	7.5	500	EI-41	■	■		■	■	
GT-3T41-7.5-700D	7.5	700	EI-41	■	■		■	■	
GT-3T48-7.5-900D	7.5	900	EI-48	■	■		■	■	
GT-3T48-7.5-1000D	7.5	1000	EI-48	■	■		■	■	
GT-3T48-7.5-1200D	7.5	1200	EI-48	■	■		■	■	
GT-3T57-7.5-1200D	7.5	1200	EI-57	■	■		■	■	
GT-3T57-7.5-1500D	7.5	1500	EI-57	■	■		■	■	
GT-3T60-7.5-2900D	7.5	2900	EI-60				■	■	
GT-3T35-8-200B	8.0	200	EI-35	■					
GT-3T41-8-350C	8.0	350	EI-41	■	■		■	■	
GT-3T48-8.7850B	8.7	850	EI-48	■			■	■	
GT-3T35-9-50C	9.0	50	EI-35	■	■				
GT-3T35-9-100C	9.0	100	EI-35	■	■				
GT-3T35-9-150C	9.0	150	EI-35	■	■				
GT-3T35-9-200C	9.0	200	EI-35	■	■				
GT-3T41-9-250C	9.0	250	EI-41			■	■	■	■
GT-3T35-9-300C	9.0	300	EI-35	■	■				
GT-3T41-9-300C	9.0	300	EI-41	■	■		■	■	
GT-3T41-9-300D	9.0	300	EI-41			■	■	■	■
GT-3T41-9-350D	9.0	350	EI-41	■	■		■	■	
GT-3T41-9-400D	9.0	400	EI-41	■	■		■	■	
GT-3T41-9-450D	9.0	450	EI-41	■	■		■	■	

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED

DC Output, Wall Plug-In and DeskTop

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-3T41-9-500D	9.0	500	EI-41	■	■	■	■	■	■
GT-3T41-9-600D	9.0	600	EI-41	■	■		■	■	
GT-3T41-9-650D	9.0	650	EI-41	■	■		■	■	
GT-3T48-9-700D	9.0	700	EI-48	■	■		■	■	
GT-3T48-9-800D	9.0	800	EI-48	■	■		■	■	
GT-3T48-9-900D	9.0	900	EI-48	■	■		■	■	
GT-3T48-9-1000D	9.0	1000	EI-48	■	■		■	■	
GT-3T48-9-1200D	9.0	1200	EI-48	■	■		■	■	
GT-3T48-10-550D	10.0	500	EI-48	■	■		■	■	
GT-3T48-10-700D	10.0	700	EI-48	■	■		■	■	
GT-3T48-10-850D	10.0	850	EI-48	■	■		■	■	
GT-3T35-11.6-180B	11.6	180	EI-35	■	■				
GT-3T41-11.8-300C	11.8	300	EI-41			■			■
GT-3T35-12-50C	12.0	50	EI-35	■	■				
GT-3T35-12-100C	12.0	100	EI-35	■	■				
GT-3T35-12-120C	12.0	120	EI-35	■	■				
GT-3T35-12-150C	12.0	150	EI-35	■	■				
GT-3T35-12-200C	12.0	200	EI-35	■	■				
GT-3T41-12-200C	12.0	200	EI-41	■	■		■	■	■
GT-3T41-12-250C	12.0	250	EI-41				■	■	■
GT-3T41-12-300C	12.0	300	EI-41	■	■		■	■	
GT-3T41-12-400D	12.0	400	EI-41	■	■		■	■	
GT-3T41-12-500D	12.0	500	EI-41	■	■		■	■	
GT-3T48-12-700D	12.0	700	EI-48	■	■		■	■	
GT-3T48-12-800D	12.0	800	EI-48	■	■		■	■	
GT-3T48-12-900D	12.0	900	EI-48	■	■		■	■	
GT-3T48-12-1000D	12.0	1000	EI-48	■	■		■	■	
GT-3T48-12-1200D	12.0	1200	EI-48	■	■		■	■	
GT-3T48-13.5-850D	13.5	850	EI-48	■	■		■	■	
GT-3T48-13.5-1000D	13.5	1000	EI-48	■	■		■	■	
GT-3T41-14-350D	14.0	350	EI-41	■	■	■	■	■	
GT-3AT41-14-350D	14.0	350	EI-41			■		■	
GT-3T48-14-850D	14.0	850	EI-48	■	■	■	■	■	
GT-3T57-15-800D	15.0	800	EI-57	■	■		■		
GT-3T48-16-500D	16.0	500	EI-48	■			■		
GT-3T35-18-150C	18.0	150	EI-35	■	■				
GT-3T57-20-750D	20.0	750	EI-57	■	■		■		
GT-3T57-20-900D	20.0	900	EI-57	■	■		■		
GT-3T35-22-100D	22.0	100	EI-35	■	■				
GT-3T48-24-400D	24.0	400	EI-48	■			■		
GT-3T48-24-550D	24.0	550	EI-48	■	■		■		
GT-8T35-28-100D	28.0	100	EI-35	■					



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

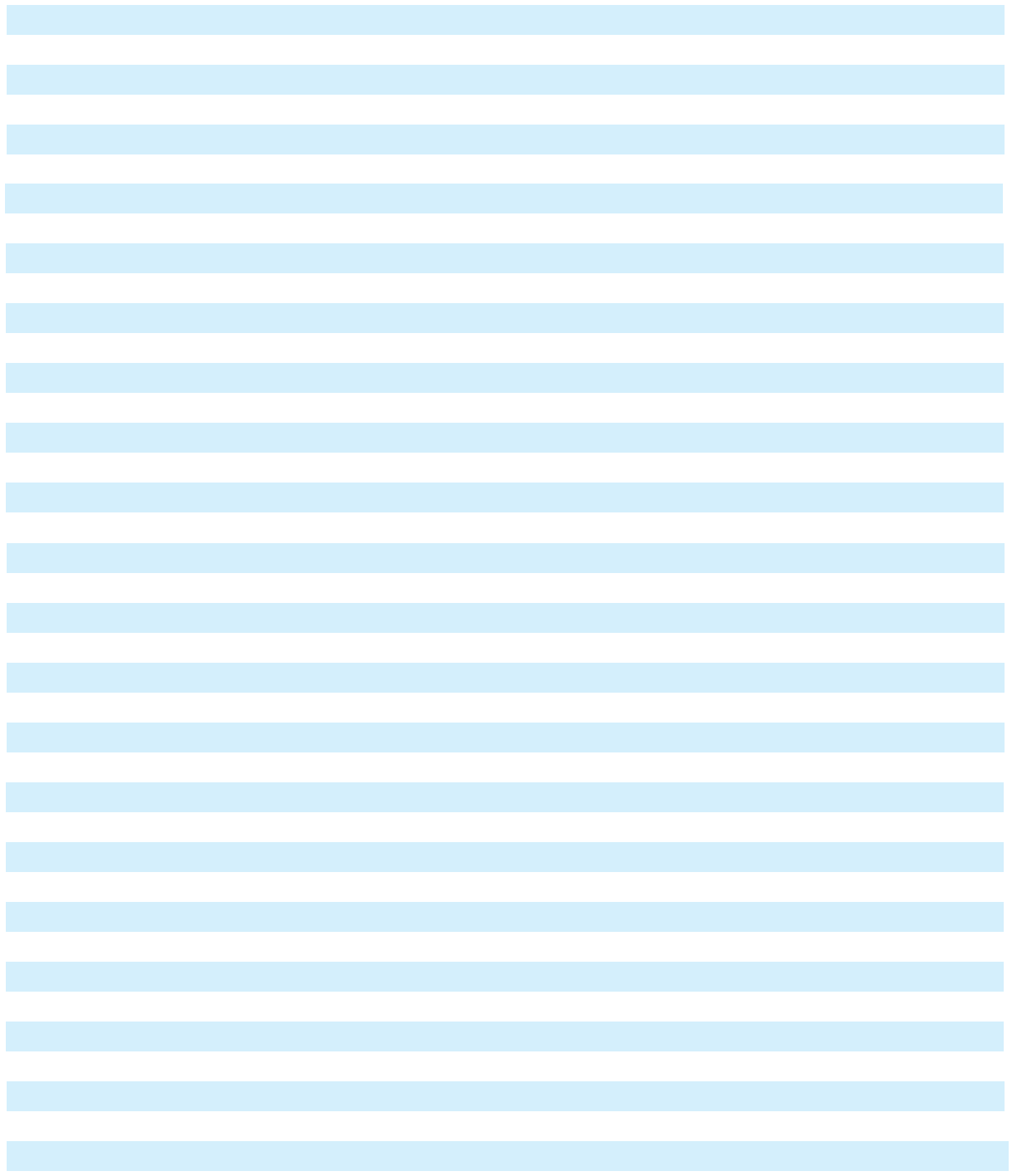


   INDOOR USE ONLY



** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-3T57-30-500D	30.0	500	EI-57			■		■	
GT-3T57-30-500D	30.0	550	EI-57	■			■		

* APPROVED FOR OUTDOOR USE



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



AC Output, Wall Plug-in and DeskTop, Class 2 Transformers & ITE Transformers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

General Specifications:

Input Voltage/ Frequency:

120VAC+/-10%/ 60Hz for N.A.Type Models
100VAC+/-10%/50-60Hz for Japan Models

Output Tolerance:

+/-5% at full load

Configuration:

Step Down AC/AC Transformer
North America Wall Plug-in or Dual Cord In/Out
(Tabletop Version for GT-3 or GT-7 Models only)

Operating Temperature:

0° to +40° C

Humidity:

0% to 90% R.H., non-condensing

Storage Temperature:

-20° to 70° C

Dielectric Strength:

1500VAC pri-sec 1500VAC pri-ground / 500VAC sec-ground (option)

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:

Output: 6 ft. 2 conductor, 24-18AWG;
Input: 2 or 3 conductor, 18AWG SPT-1 (Tabletop only)

Safety:

GT-3, GT-7 models:
UL1310, C-UL22.2-223, CSA22.2-223,E132594
GT-8 models:
UL 60950/ 1950, C-UL 22.2-234, 950, Class I and II, E170507

EMI:

FCC Class B

Notes:

- 1) Models with suffix (1) are readily available from GlobTek or distributor stock
- 2) For Japanese models add "J" after the Model No. (GT-3 only)
- 3) Within each Model, Output Current may vary from 50mA to Max. Load specified in 50mA increments preserving Output Voltage +/-5% Tolerance

Unit Size Codes:Case Size Codes:

35,41,48,57,60,66 and 06A through 200

GT-3 Models EI-35,41,48,57,60,66:

Transformer Core Size

GT-7 Models A:

N.A. Input Blade Style

06A through 200A:

Output Power (W)

GT-8 Models:

XXYAY = Voltage, Current Rating

AC = AC Output

-CCDD = Transformer Size

(EI-CC X DD)

P: Wall Plug Case; L: DeskTop Case

GT-8 Models EI-35R,41R,48R,57R:

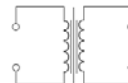
Transformer Core Size

Options:

- 1) Primary Earth ground pin and secondary/shield ground (GT-3/GT-7 only)
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:

AC Input:
120/100VAC
60Hz/50-60Hz



AC Output:
2.3VAC-36VAC
50mA-5,000mA



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)41A-2.3-3000	2.3	3000	EI-41
GT-80305AC-3508	3.0	50	EI-35R
GT-80330AC-4109	3.0	300	EI-41R
GT-3(J)35A-3-400	3.0	400	EI-35
GT-80345AC-3508	3.0	450	EI-35R
GT-3(J)35A-3-800	3.0	800	EI-35
GT-80390AC-B11	3.0	900	EI-48R
GT-3(J)35A-3-900	3.0	900	EI-35
GT-8031AAC-3512	3.0	1000	EI-35R
GT-8031A2AC-3512	3.0	1200	EI-35R
GT-8031A3AC-3512	3.0	1300	EI-35R
GT-8031A5AC-4114	3.0	1500	EI-41X14R
GT-8031A8AC-4114	3.0	1800	EI-41X14R
GT-8032AAC-4114	3.0	2000	EI-41X14R

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-8032A2AC-4114	3.0	2200	EI-48X14R
GT-8032A5AC-4818	3.0	2500	EI-41X18R
GT-8033AAC-5716	3.0	3000	EI-57X16R
GT-8033A8AC-5716	3.0	3800	EI-57X16R
GT-8034AAC-5720	3.0	4000	EI-57X20R
GT-7A10PA-3.5-2800	3.5	2800	A10AP
GT-3(J)35A-3.6-300	3.6	300	EI-35
GT-3(J)35A-3.6-700	3.6	700	EI-35
GT-3(J)35A-3.6-900	3.6	900	EI-35
GT-3(J)48A-4-1000	4.0	1000	EI-48
GT-804505AC-3508	4.5	50	EI-35R
GT-804525AC-3508	4.5	250	EI-35R
GT-804535AC-3508	4.5	350	EI-35R
GT-3(J)35A-4.5-350	4.5	350	EI-35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.




ISO 9001:2008
REGISTERED



AC Output, Wall Plug-in and DeskTop, Class 2 Transformers & ITE Transformers



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

 INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

CEC EISA   CE FC  LPS

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-804560AC-3512	4.5	600	EI-35R
GT-3(J)35A-4.5-700	4.5	700	EI-35
GT-3(J)35A-4.5-800	4.5	800	EI-35
GT-804585AC-3512	4.5	850	EI-35R
GT-3(J)41A-4.5-950	4.5	950	EI-41
GT-80451AAC-4109	4.5	1000	EI-41R
GT-3(J)41A-4.5-1000	4.5	1000	EI-41
GT-80451A3AC-4814	4.5	1300	EI-48X14R
GT-3(J)41A-4.5-1300	4.5	1300	EI-41
GT-80451A4AC-4114	4.5	1400	EI-41X14R
GT-80451A5AC-4814	4.5	1500	EI-48X14R
GT-3(J)41A-4.5-1600	4.5	1600	EI-41
GT-80451A8AC-4814	4.5	1800	EI-48X14R
GT-80452AAC-4814	4.5	2000	EI-48X14R
GT-80452A3AC-4818	4.5	2300	EI-48X18R
GT-80452A5AC-5716	4.5	2500	EI-57X16R
GT-80453AAC-5716	4.5	3000	EI-57X16R
GT-80453A4AC-5716	4.5	3400	EI-57X16R
GT-80453A8AC-5716	4.5	3800	EI-57X20R
GT-80454AAC-5725	4.5	4000	EI-57X25R
GT-80505AC-3508	5.0	50	EI-35R
GT-80510AC-3508	5.0	100	EI-35R
GT-80520AC-3508	5.0	200	EI-35R
GT-80530AC-3508	5.0	300	EI-35R
GT-3(J)35A-5-300	5.0	300	EI-35
GT-80560AC-3512	5.0	600	EI-35R
GT-3(J)35A-5-600	5.0	600	EI-35
GT-3(J)35A-5-700	5.0	700	EI-35
GT-3(J)41A-5-700	5.0	700	EI-41
GT-80580AC-3512	5.0	800	EI-35R
GT-80590AC-4109	5.0	900	EI-41R
GT-3(J)41A-5-900	5.0	900	EI-41
GT-3(J)41A-5-1200	5.0	1200	EI-41
GT-8051A3AC-4114	5.0	1300	EI-41X14R
GT-8051A4AC-4114	5.0	1400	EI-41X14R
GT-3(J)41A-5-1600	5.0	1600	EI-41
GT-8051A8AC-4814	5.0	1800	EI-48X14R
GT-8052AAC-4818	5.0	2000	EI-48X18R
GT-8052A5AC-4818	5.0	2500	EI-48X18R
GT-8052A7AC-5716	5.0	2700	EI-57X16R
GT-8052A9AC-5716	5.0	2900	EI-57X16R
GT-8053AAC-5716	5.0	3000	EI-57X16R

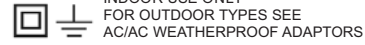
** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-8053A2AC-5716	5.0	3200	EI-57X16R
GT-8053A4AC-5716	5.0	3400	EI-57X16R
GT-8053A8AC-5720	5.0	3800	EI-57X20R
GT-80605AC-3508	6.0	50	EI-35R
GT-80610AC-3508	6.0	100	EI-35R
GT-80620AC-3508	6.0	200	EI-35R
GT-80625AC-3508	6.0	250	EI-35R
GT-3(J)35A-6-300	6.0	300	EI-35
GT-80650AC-3512	6.0	500	EI-35R
GT-3(J)35A-6-600	6.0	600	EI-35
GT-3(J)35A-6-700	6.0	700	EI-35
GT-80670AC-3512	6.0	700	EI-35R
GT-80680AC-4114	6.0	800	EI-41X14R
GT-80670AC-4114	6.0	900	EI-41X14R
GT-3(J)41A-6-900	6.0	900	EI-41
GT-8061AAC-4814	6.0	1000	EI-48X14R
GT-3(J)41A-6-1200	6.0	1200	EI-41
GT-8061A2AC-4114	6.0	1200	EI-41X14R
GT-8061A3AC-B11	6.0	1300	EI-48X14R
GT-8061A5AC-4814	6.0	1500	EI-48X14R
GT-3(J)41A-6-1500	6.0	1500	EI-41
GT-3(J)48A-6-1600	6.0	1600	EI-48
GT-7A10LA-6-1670	6.0	1670	A10AL
GT-3(J)48A-6-1800	6.0	1800	EI-48
GT-8062AAC-4818	6.0	2000	EI-48X18R
GT-3(J)48A-6-2000	6.0	2000	EI-48
GT-8062A5AC-5716	6.0	2500	EI-57X16R
GT-8062A7AC-5716	6.0	2700	EI-57X16R
GT-8063AAC-5720	6.0	3000	EI-57X20R
GT-8063A2AC-5720	6.0	3200	EI-57X20R
GT-8063A5AC-5725	6.0	3500	EI-57X25R
GT-7A30PA-6-5000	6.0	5000	A30AP
GT-3(J)41A-7-600	7.0	600	EI-41
GT-3(J)41A-7-800	7.0	800	EI-41
GT-3(J)41A-7-1100	7.0	1100	EI-41
GT-3(J)41A-7-1400	7.0	1400	EI-41
GT-807505AC-3508	7.5	50	EI-35R
GT-807510AC-3508	7.5	100	EI-35R
GT-807520AC-3512	7.5	200	EI-35R
GT-3(J)35A-7.5-250	7.5	250	EI-35
GT-807530AC-3512	7.5	300	EI-35R
GT-3(J)35A-7.5-500	7.5	500	EI-35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



AC Output, Wall Plug-in and DeskTop, Class 2 Transformers & ITE Transformers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-807550AC-3512	7.5	500	EI-35R
GT-807560AC-3512	7.5	600	EI-35R
GT-3(J)35A-7.5-650	7.5	650	EI-35
GT-807580AC-4114	7.5	800	EI-41X14R
GT-3(J)41A-7.5-800	7.5	800	EI-41
GT-807590AC-4114	7.5	900	EI-41X14R
GT-80751A1AC-B11	7.5	1100	EI-48R
GT-3(J)41A-7.5-1100	7.5	1100	EI-41
GT-80751A3AC-4814	7.5	1300	EI-48X14R
GT-7A10LA-7.5-1330	7.5	1330	A10AL
GT-80751A4AC-4814	7.5	1400	EI-48X14R
GT-3(J)41A-7.5-1400	7.5	1400	EI-41
GT-80751A5AC-4818	7.5	1500	EI-48X18R
GT-80751A6AC-4818	7.5	1600	EI-48X18R
GT-3(J)48A-7.5-1700	7.5	1700	EI-48
GT-3(J)48A-7.5-1900	7.5	1900	EI-48
GT-80752AAC-5716	7.5	2000	EI-57X16R
GT-80752A1AC-5716	7.5	2100	EI-57X16R
GT-80752A5AC-5720	7.5	2500	EI-57X20R
GT-80752A6AC-5720	7.5	2600	EI-57X20R
GT-80753A5AC-5725	7.5	3500	EI-57X25R
GT-7A30PA-7.5-4000	8.0	4000	A30AP
GT-80805AC-3508	8.0	50	EI-35R
GT-80810AC-3508	8.0	100	EI-35R
GT-80820AC-3508	8.0	200	EI-35R
GT-3(J)35A-8-250	8.0	250	EI-35
GT-80830AC-3512	8.0	300	EI-35R
GT-3(J)35A-8-500	8.0	500	EI-35
GT-80850AC-3512	8.0	500	EI-35R
GT-80855AC-3512	8.0	550	EI-35R
GT-80860AC-4114	8.0	600	EI-41X14R
GT-3(J)35A-8-600	8.0	600	EI-35
GT-80880AC-4114	8.0	800	EI-41X14R
GT-80890AC-4114	8.0	900	EI-41X14R
GT-8081AAC-B11	8.0	1000	EI-48X14R
GT-8081A2AC-4814	8.0	1200	EI-48X14R
GT-8081A5AC-5716	8.0	1500	EI-57X16R
GT-8082A1AC-5716	8.0	2100	EI-57X16R
GT-80905AC-3508	9.0	50	EI-35R
GT-3(J)35A-9-150	9.0	150	EI-35
GT-80915AC-3508	9.0	150	EI-35R
GT-80920AC-3508	9.0	200	EI-35R

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-80930AC-3512	9.0	300	EI-35R
GT-80930AC-3512	9.0	400	EI-35R
GT-3(J)35A-9-500	9.0	500	EI-35
GT-80950AC-3512	9.0	500	EI-35R
GT-80960AC-4114	9.0	600	EI-41X14R
GT-3(J)35A-9-600	9.0	600	EI-35
GT-3(J)41A-9-800	9.0	800	EI-41
GT-80980AC-4114	9.0	800	EI-41X14R
GT-80990AC-4814	9.0	900	EI-48X14R
GT-8091AAC-B11	9.0	1000	EI-48X14R
GT-3(J)41A-9-1000	9.0	1000	EI-41
GT-8091A1AC-4814	9.0	1100	EI-48X14R
GT-7A10LA-9-1110	9.0	1110	A10AL
GT-3(J)41A-9-1200	9.0	1200	EI-41
GT-8091A5AC-4818	9.0	1500	EI-48X18R
GT-3(J)41A-9-1500	9.0	1500	EI-41
GT-3(J)48A-9-1500	9.0	1500	EI-48
GT-8091A7AC-5716	9.0	1700	EI-57X16R
GT-3(J)48A-9-1800	9.0	1800	EI-48
GT-8092AAC-5716	9.0	2000	EI-57X16R
GT-8092A2AC-5720	9.0	2200	EI-57X20R
GT-8093AAC-5725	9.0	3000	EI-57X25R
GT-7A30PA-9-3330	9.0	3330	A30AP
GT-7A40PA-9-4440	9.0	4440	A40AP
GT-81005AC-3508	10.0	50	EI-35R
GT-81010AC-3508	10.0	100	EI-35R
GT-81015AC-3508	10.0	150	EI-35R
GT-81018AC-3508	10.0	180	EI-35R
GT-81030AC-3512	10.0	300	EI-35R
GT-81040AC-3512	10.0	400	EI-35R
GT-81045AC-3512	10.0	450	EI-35R
GT-3(J)41A-10-500	10.0	500	EI-41
GT-81060AC-4114	10.0	600	EI-41X14R
GT-81070AC-4114	10.0	700	EI-41X14R
GT-3(J)41A-10-750	10.0	750	EI-41
GT-81090AC-4114	10.0	900	EI-48R
GT-3(J)41A-10-900	10.0	900	EI-41
GT-8101AAC-4814	10.0	1000	EI-48X14R
GT-8101A1AC-4818	10.0	1100	EI-48X18R
GT-3(J)41A-10-1100	10.0	1100	EI-41
GT-3(J)48A-10-1100	10.0	1100	EI-48
GT-8101A2AC-4818	10.0	1200	EI-48X18R



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.




ISO 9001:2008
REGISTERED



AC Output, Wall Plug-in and DeskTop, Class 2 Transformers & ITE Transformers



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

 INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

CEC EISA     

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-8101A3AC-4818	10.0	1300	EI-48X18R
GT-3(J)48A-10-1400	10.0	1400	EI-48
GT-8101A5AC-5716	10.0	1500	EI-57X16R
GT-3(J)48A-10-1700	10.0	1700	EI-48
GT-8101A7AC-5716	10.0	1700	EI-57X16R
GT-8101A8AC-5720	10.0	1800	EI-57X20R
GT-8101A9AC-5720	10.0	1900	EI-57X20R
GT-8102A7AC-5725	10.0	2700	EI-57X25R
GT-81205AC-3508	12.0	50	EI-35R
GT-81210AC-3508	12.0	100	EI-35R
GT-81215AC-3508	12.0	150	EI-35R
GT-81220AC-3512	12.0	200	EI-35R
GT-3(J)35A-12-200	12.0	200	EI-35
GT-81230AC-3512	12.0	300	EI-35R
GT-81235AC-3512	12.0	350	EI-35R
GT-81240AC-4114	12.0	400	EI-41X14R
GT-3(J)35A-12-400	12.0	400	EI-35
GT-3(J)35A-12-500	12.0	500	EI-35
GT-81260AC-4114	12.0	600	EI-41X14R
GT-3(J)41A-12-600	12.0	600	EI-41
GT-81275AC-B11	12.0	750	EI-48X11R
GT-81280AC-4814	12.0	800	EI-48X14R
GT-3(J)41A-12-800	12.0	800	EI-41
GT-7A10LA-12-830	12.0	830	A10AL
GT-81290AC-4814	12.0	900	EI-48X14R
GT-3(J)41A-12-900	12.0	900	EI-41
GT-8121AAC-4818	12.0	1000	EI-48X18R
GT-8121A1AC-4818	12.0	1100	EI-48X18R
GT-3(J)41A-12-1200	12.0	1200	EI-41
GT-3(J)48A-12-1200	12.0	1200	EI-48
GT-8121A4AC-5716	12.0	1400	EI-57X16R
GT-3(J)48A-12-1500	12.0	1500	EI-48
GT-8121A5AC-5716	12.0	1500	EI-57X16R
GT-8121A6AC-5716	12.0	1600	EI-57X16R
GT-3(J)48A-12-1600	12.0	1600	EI-48
GT-7A20PA-12-1670	12.0	1670	A20AP
GT-8121A8AC-5720	12.0	1800	EI-57X20R
GT-7A24PA-12-1830	12.0	1830	A24AP
GT-8122A2AC-5725	12.0	2200	EI-57X25R
GT-7A30PA-12-2500	12.0	2500	A30AP
GT-7A36P(L)A-12-3000	12.0	3000	A36AP(L)
GT-7A40PA-12-3330	12.0	3330	A40AP

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-7A50LA-12-4170	12.0	4170	A50AL
GT-7A60LA-12-5000	12.0	5000	A60AL
GT-81330AC-4814	13.0	300	EI-48X14R
GT-81380AC-4814	13.0	800	EI-48X14R
GT-8131AAC-5716	13.0	1000	EI-57X16R
GT-8131A2AC-5716	13.0	1200	EI-57X16R
GT-8131A4AC-5716	13.0	1400	EI-57X16R
GT-8131A5AC-5720	13.0	1500	EI-57X20R
GT-8131A6AC-5720	13.0	1600	EI-57X20R
GT-8132AAC-5725	13.0	2000	EI-57X25R
GT-7A30PA-13-2300	13.0	2300	A30AP
GT-7A40PA-13.5-2960	13.5	2960	A40AP
GT-7A30PA-13.8-2170	13.8	2170	A30AP
GT-81410AC-3512	14.0	100	EI-35R
GT-81430AC-3512	14.0	300	EI-35R
GT-3(J)41A-14-350	14.0	350	EI-41
GT-81440AC-4114	14.0	400	EI-41X14R
GT-81450AC-4114	14.0	500	EI-41X14R
GT-3(J)41A-14-500	14.0	500	EI-41
GT-81465AC-B11	14.0	650	EI-48X14R
GT-81470AC-4814	14.0	700	EI-48X14R
GT-3(J)41A-14-700	14.0	700	EI-41
GT-7A10LA-14-710	14.0	710	A10AL
GT-81475AC-4814	14.0	750	EI-48X14R
GT-3(J)41A-14-750	14.0	750	EI-41
GT-3(J)48A-14-800	14.0	800	EI-48
GT-81490AC-4818	14.0	900	EI-48X18R
GT-81495AC-4818	14.0	950	EI-48X18R
GT-3(J)48A-14-1100	14.0	1100	EI-48
GT-3(J)48A-14-1200	14.0	1200	EI-48
GT-8141A3AC-5716	14.0	1300	EI-57X16R
GT-8141A4AC-5716	14.0	1400	EI-57X16R
GT-8141A5AC-5720	14.0	1500	EI-57X20R
GT-8141A6AC-5720	14.0	1600	EI-57X20R
GT-3(J)57A-14-1800	14.0	1800	EI-57
GT-8142AAC-5725	14.0	2000	EI-57X25R
GT-7A30PA-14-2140	14.0	2140	A30AP
GT-7A40PA-14-2860	14.0	2860	A40AP
GT-81505AC-3508	15.0	50	EI-35R
GT-81510AC-3508	15.0	100	EI-35R
GT-81512AC-3508	15.0	120	EI-35R
GT-3(J)35A-15-150	15.0	150	EI-35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



AC Output, Wall Plug-in and DeskTop, Class 2 Transformers & ITE Transformers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

UL CE FCC LPS PCE CEC EISA

INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-81520AC-3512	15.0	200	EI-35R
GT-81525AC-3512	15.0	250	EI-35R
GT-81530AC-3512	15.0	300	EI-35R
GT-3(J)35A-15-350	15.0	350	EI-35
GT-81540AC-4114	15.0	400	EI-41X14R
GT-3(J)35A-15-400	15.0	400	EI-35
GT-81545AC-4114	15.0	450	EI-41X14R
GT-3(J)41A-15-500	15.0	500	EI-41
GT-81565AC-4814	15.0	650	EI-48X14R
GT-3(J)41A-15-650	15.0	650	EI-41
GT-7A10LA-15-670	15.0	670	A10AL
GT-81570AC-4814	15.0	700	EI-48X14R
GT-3(J)41A-15-750	15.0	750	EI-48X14R
GT-81580AC-4818	15.0	800	EI-48X18R
GT-81590AC-4818	15.0	900	EI-48X18R
GT-3(J)41A-15-1000	15.0	1000	EI-41
GT-3(J)48A-15-1100	15.0	1100	EI-48
GT-3(J)48A-15-1200	15.0	1200	EI-48
GT-8151A2AC-5716	15.0	1200	EI-57X16R
GT-8151A3AC-5716	15.0	1300	EI-57X16R
GT-3(J)48A-15-1500	15.0	1500	EI-48
GT-8151A5AC-5720	15.0	1500	EI-57X20R
GT-8151A6AC-5720	15.0	1800	EI-57X25R
GT-7A30PA-15-2000	15.0	2000	A30AP
GT-7A40PA-15-2860	15.0	2860	A40AP
GT-81605AC-3508	16.0	50	EI-35R
GT-81610AC-3508	16.0	100	EI-35R
GT-81620AC-3512	16.0	200	EI-35R
GT-81625AC-3512	16.0	250	EI-35R
GT-3(J)41A-16-250	16.0	250	EI-41
GT-81630AC-4109	16.0	300	EI-41R
GT-3(J)41A-16-350	16.0	350	EI-41
GT-3(J)41A-16-375	16.0	375	EI-41
GT-81640AC-4114	16.0	400	EI-41X14R
GT-81645AC-4114	16.0	450	EI-41X14R
GT-3(J)41A-16-500	16.0	500	EI-41
GT-81655AC-B11	16.0	550	EI-48R
GT-81660AC-4814	16.0	600	EI-48X14R
GT-3(J)41A-16-600	16.0	600	EI-41
GT-7A10LA-16-620	16.0	620	A10AL
GT-81665AC-4814	16.0	650	EI-48X14R
GT-81670AC-4818	16.0	700	EI-48X18R

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)48A-16-700	16.0	700	EI-48
GT-81685AC-4818	16.0	850	EI-48X18R
GT-8161AAC-5716	16.0	1000	EI-57X16R
GT-3(J)48A-16-1000	16.0	1000	EI-48
GT-3(J)48A-16-1100	16.0	1100	EI-48
GT-8161A2AC-5716	16.0	1200	EI-57X16R
GT-8161A5AC-5720	16.0	1500	EI-57X20R
GT-8161A6AC-5725	16.0	1600	EI-57X25R
GT-8161A7AC-5725	16.0	1700	EI-57X25R
GT-7A30PA-16-1880	16.0	1880	A30AP
GT-7A40PA-16-2420	16.5	2420	A40AP
GT-81775AC-5720	17.0	750	EI-57X20R
GT-8171A4AC-5720	17.0	1400	EI-57X20R
GT-81805AC-3508	18.0	50	EI-35R
GT-81810AC-3508	18.0	100	EI-35R
GT-81815AC-3512	18.0	150	EI-35R
GT-3(J)35A-18-150	18.0	150	EI-35
GT-81820AC-3512	18.0	200	EI-35R
GT-81825AC-3512	18.0	250	EI-35R
GT-81830AC-4114	18.0	300	EI-41X14R
GT-3(J)35A-18-300	18.0	300	EI-35
GT-3(J)35A-18-350	18.0	350	EI-35
GT-81840AC-4114	18.0	400	EI-41X14R
GT-3(J)41A-18-500	18.0	500	EI-41
GT-81855AC-B11	18.0	550	EI-48R
GT-3(J)41A-18-550	18.0	550	EI-41
GT-7A10LA-18-560	18.0	560	A10AL
GT-81860AC-4814	18.0	600	EI-48X14R
GT-3(J)41A-18-600	18.0	600	EI-41
GT-81865AC-4818	18.0	650	EI-48X18R
GT-81875AC-4818	18.0	750	EI-48X18R
GT-3(J)48A-18-800	18.0	800	EI-48
GT-81895AC-5716	18.0	950	EI-57X16R
GT-3(J)48A-18-1000	18.0	1000	EI-48
GT-8181AAC-57216	18.0	1000	EI-57X16R
GT-8181A1AC-5716	18.0	1100	EI-57X16R
GT-8181A3AC-5720	18.0	1300	EI-57X20R
GT-8181A5AC-5725	18.0	1500	EI-57X25R
GT-7A30PA-18-1670	18.0	1670	A30AP
GT-7A40PA-18-2220	18.0	2220	A40AP
GT-3(J)41A-19-300	19.0	300	EI-41
GT-3(J)41A-19-450	19.0	450	EI-41



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



AC Output, Wall Plug-in and DeskTop, Class 2 Transformers & ITE Transformers



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY
 FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

CEC EISA LPS

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-3(J)41A-19-500	19.0	500	EI-41
GT-3(J)41A-19-550	19.0	550	EI-41
GT-82005AC-3508	20.0	50	EI-35R
GT-82008AC-3508	20.0	80	EI-35R
GT-82010AC-3512	20.0	100	EI-35R
GT-82015AC-3512	20.0	150	EI-35R
GT-82020AC-3512	20.0	200	EI-35R
GT-82020AC-4109	20.0	200	EI-41X14R
GT-3(J)35A-20-200	20.0	200	EI-35
GT-82030AC-4114	20.0	300	EI-41X14R
GT-82040AC-B11	20.0	400	EI-41X14R
GT-82045AC-B11	20.0	450	EI-41X14R
GT-82050AC-4814	20.0	500	EI-41X14R
GT-7A10LA-20-500	20.0	500	A10AL
GT-82060AC-4818	20.0	600	EI-48X18R
GT-7A12PA-20-600	20.0	600	A12AP
GT-82065AC-4818	20.0	650	EI-48X18R
GT-82070AC-4818	20.0	700	EI-48X18R
GT-82090AC-5716	20.0	900	EI-57X16R
GT-82095AC-5716	20.0	950	EI-57X16R
GT-8201AAC-5720	20.0	1000	EI-57X20R
GT-8201A25AC-5720	20.0	1250	EI-57X20R
GT-8201A4AC-5725	20.0	1400	EI-57X25R
GT-7A30PA-20-1500	20.0	1500	A30AP
GT-7A40PA-20-2000	20.0	2000	A40AP
GT-3(J)35A-21-100	21.0	100	EI-35
GT-3(J)35A-21-250	21.0	250	EI-35
GT-3(J)35A-21-300	21.0	300	EI-35
GT-3(J)41A-21-300	21.0	300	EI-41
GT-3(J)41A-21-400	21.0	400	EI-41
GT-3(J)41A-21-450	21.0	450	EI-41
GT-3(J)41A-21-500	21.0	500	EI-41
GT-3(J)48A-21-650	21.0	650	EI-48
GT-3(J)48A-21-850	21.0	850	EI-48
GT-82205AC-3508	22.0	50	EI-35R
GT-82210AC-3512	22.0	100	EI-35R
GT-82220AC-3512	22.0	200	EI-35R
GT-82225AC-4114	22.0	250	EI-41X14R
GT-82230AC-4114	22.0	300	EI-41X14R
GT-7A10LA-22-450	22.0	450	A10AL
GT-82250AC-5716	22.0	500	EI-57X16R
GT-7A12PA-22-540	22.0	540	A12AP

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GT-82260AC-4818	22.0	600	EI-48X18R
GT-82280AC-5716	22.0	800	EI-57X16R
GT-82290AC-5716	22.0	900	EI-57X16R
GT-8221AAC-5720	22.0	1000	EI-57X20R
GT-8221A1AC-5725	22.0	1100	EI-57X25R
GT-8221A2AC-5725	22.0	1200	EI-57X25R
GT-7A30PA-22-1360	22.0	1360	A30AP
GT-7A33LA-22-1500	22.0	1500	A33AL
GT-7A40PA-22-1820	22.0	1820	A40AP
GT-82405AC-3508	24.0	50	EI-35R
GT-82410AC-4114	24.0	100	41X14R
GT-3(J)35A-24-100	24.0	100	EI-35
GT-3(J)35A-24-150	24.0	150	EI-35
GT-82420AC-3508	24.0	200	EI-41X14R
GT-3(J)35A-24-200	24.0	200	EI-35
GT-82425AC-4114	24.0	250	41X14R
GT-82430AC-4114	24.0	300	EI-41X14R
GT-3(J)41A-24-300	24.0	300	EI-41
GT-82440AC-4814	24.0	400	48X14R
GT-3(J)41A-24-400	24.0	400	EI-41
GT-7A10LA-24-420	24.0	420	A10AL
GT-82445AC-4814	24.0	450	EI-48X14R
GT-3(J)41A-24-450	24.0	450	EI-41
GT-3(J)41A-24-500	24.0	500	EI-41
GT-82450AC-4818	24.0	500	EI-48X18R
GT-82455AC-4818	24.0	550	EI-48X18R
GT-3(J)48A-24-600	24.0	600	EI-48
GT-82470AC-5716	24.0	700	EI-57X16R
GT-3(J)48A-24-750	24.0	750	EI-48
GT-82480AC-5716	24.0	800	EI-57X16R
GT-7A20PA-24-830	24.0	830	A20AP
GT-82495AC-5720	24.0	850	EI-57X20R
GT-7A24PA-24-1000	24.0	1000	A24AP
GT-8241A2AC-5725	24.0	1200	EI-57X25R
GT-7A30PA-24-1250	24.0	1250	A30AP
GT-7A33LA-24-1250CT	24.0	1250	A33AL
GT-7A36PA-24-1500	24.0	1500	A36AP
GT-7A40PA-24-1670	24.0	1670	A40AP
GT-7A60LA-24-2500	24.0	2500	A60AL
GT-7A36PA-36-1000	36.0	1000	A36AP

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**AC Output, Wall Plug-In and DeskTop, Class 2 Transformer**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

General Specifications:**Input Voltage/ Frequency:**230VAC+/-10%/ 50Hz for Euro.Type Models
240VAC+/-10%/ 50Hz for Australia, UK Type Models**Output Voltage Tolerance:**

+/-5% at full load

Protection:

Primary Thermal Fuse

Configuration:Step Down AC/AC Transformer Euro./U.K./Australia (SAA)
Type Wall Plug-in or DeskTop In/ Out**Operating Temperature:**

0°-40° C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20°-70° C

Dielectric Strength:2500VAC pri-sec 2500VAC pri-ground / 500VAC
sec-ground (option)**Enclosure:**

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:Standard, 6 ft. 2 conductor, 24-16AWG Output;
2 or 3 conductor, 18AWG SPT-1 Input (DeskTop)
For other output cords, please refer to Output Plug/Cord
Options**Safety:**All Models are TUV/GS approved to EN60950;
TUV Subscriber #41405
Australian Models comply with AS/NZS 3108**EMI:**

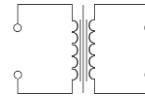
CE Compliant

Notes:

- 1) For unit size and output cords please refer to Adaptors Case Style and Adaptors Output Plug /Cord options
- 2) For Input Blade Options please refer to International-Adaptor Input Blade Options
- *3) Within each Model Output Current may vary from 50mA to max load specified in 50 mA increments preserving output voltage +/- 5% tolerance.
- **4) Optional for specifying Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.

Unit Size Codes:**GT-3 Models EI-35,41,48,57,60,66:** Transformer Core Size
OR**GT-D Models Input Blade Style:****E:** Euro; **B:** U.K.; **S:** Australia**06 through 200A:** Output Power (w)**P:** Wall Plug Case; **L:** DeskTop Case**Options:**

- 1) Primary earth ground pin and secondary/shield ground
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagram: AC Input: AC Output:**AC Input:**
220/230/240VAC
50Hz**AC Output:**
2.3VAC-36VAC
50mA-16, 670mA**Model Selection Road Map Example:**

1. Required: ITE EN60950 9VAC/ 800mA, EURO. "2" Prong Plug, Wall Plug-In, Output Plug 2.5mm ID Barrel.
2. Selection table presented in increasing output voltage order; page 2: locate 9V with higher incremental current: GT-3T48A-9-900
3. Model Selected: GT-348A-9-800 w/ case Size EI-48; Please refer to Adaptors Case Style.
4. Output Plug/Cord selected "L-"; Please refer to Adaptors Plug/Cord Options

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-3A41A-2.3-3000	2.3	3000	EI-41						■
GT-DE(B,S)-06-3.52.3	3.5	1710	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-3.5(L)	3.5	2860	E(B,S)10AP(L)	■	■	■	■	■	
GT-DE(B)-12-3.5	3.5	3430	E(B)12AP	■	■				
GT-DE(B)-16-3.5	3.5	4570	E(B)16AP	■	■				
GT-DE(B,S)-20-3.5	3.5	5710	E(B,S)20AP	■	■	■			
GT-DS-30-3.5L	3.5	8570	S30AL						■
GT-DE(B,S)-06-6.0	6.0	1000	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-6.0	6.0	1670	E(B,S)10AP(L)	■	■	■	■	■	
GT-DE(B,S)-12-6.0	6.0	2000	E(B,S)12AP	■	■				
GT-DE(B)-16-6.0	6.0	2670	E(B)16AP	■	■				
GT-DE(B,S)-20-6.0	6.0	3330	E(B,S)20AP	■	■	■			

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.






ISO 9001:2008
REGISTERED



AC Output, Wall Plug-In and DeskTop, Class 2 Transformer



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

   INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-DE(B)-22-06	6.0	3670	E(B)22AP	■	■				
GT-DE(B,S)-30-06L	6.0	5000	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-06L	6.0	6000	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-06L	6.0	7500	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-06L	6.0	10000	E(B,S)60AL				■	■	■
GT-3T35A-7-350	7.0	350		■	■				
GT-DE(B,S)-06-7.5	7.5	800	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-7.5(L)	7.5	1330	E(B,S)10AP(L)	■	■	■	■	■	
GT-DE(B)-12-7.5	7.5	1600	E(B)12AP	■	■				
GT-DE(B)-16-7.5	7.5	2130	E(B)16AP	■	■				
GT-DE(B,S)-20-7.5	7.5	2670	E(B,S)20AP	■	■	■			
GT-DE(B)-22-7.5	7.5	2930	E(B)22AP	■	■				
GT-DE(B,S)-30-7.5L	7.5	4000	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-7.5L	7.5	4800	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-7.5L	7.5	6000	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-7.5L	7.5	8000	E(B,S)60AL				■	■	■
GT-3T35A-9-300	9.0	300	EI-35	■	■				
GT-3T35A-9-350	9.0	350	EI-35	■	■				
GT-3T41A-9-400	9.0	400	EI-41	■	■		■	■	
GT-3T41A-9-500	9.0	500	EI-41	■	■		■	■	
GT-3T41A-9-600	9.0	600	EI-41	■	■		■	■	
GT-DE(B,S)-06-09	9.0	670	E(B,S)06AP	■	■	■			
GT-3T41A-9-700	9.0	700	EI-41	■	■		■	■	
GT-3T41A-9-750	9.0	750	EI-41	■	■		■	■	
GT-3T41A-9-780	9.0	780	EI-41	■	■		■	■	
GT-3T48A-9-900	9.0	900	EI-48	■	■		■	■	
GT-3T48A-9-1000	9.0	1000	EI-48	■	■		■	■	
GT-DE(B,S)-10-09(L)	9.0	1110	E(B,S)10AP(L)	■	■	■	■	■	
GT-3T48A-9-1200	9.0	1200	EI-48	■	■		■	■	
GT-DE(B)-12-09	9.0	1330	E(B)12AP	■	■				
GT-DE(B)-16-09	9.0	1780	E(B)16AP	■	■				
GT-DE(B,S)-20-09	9.0	2220	E(B,S)20AP	■	■	■			
GT-DE(B)-22-09	9.0	2440	E(B)22AP	■	■				
GT-DE(B,S)-30-09L	9.0	3330	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-09L	9.0	4000	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-09L	9.0	5000	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-09L	9.0	6670	E(B,S)60AL				■	■	■
GT-DE(B)-105-09L	9.0	11670	E(B)105AL				■	■	
GT-3T(A)41A-12-300	12.0	300	EI-41	■	■	■	■	■	■
GT-3T41A-12-400	12.0	400	EI-41	■	■		■	■	
GT-3T41A-12-500	12.0	500	EI-41	■	■		■	■	
GT-DE(B,S)-06-12	12.0	500	E(B,S)06AP	■	■	■			

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED

AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	EURO DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-3T41A-12-600	12.0	600	EI-41	■	■		■	■	
GT-3T48A-12-800	12.0	800	EI-48	■	■		■	■	
GT-DE(B,S)-10-12(L)	12.0	830	E(B,S)10AP(L)	■	■	■	■	■	
GT-3T48A-12-900	12.0	900	EI-48	■	■		■	■	
GT-3T48A-12-1000	12.0	1000	EI-48	■	■		■	■	
GT-DE(B)-12-12	12.0	1000	E(B)12AP	■	■				
GT-DE(B)-16-12	12.0	1330	E(B)16AP	■	■				
GT-3T48A-12-1500	12.0	1500	EI-48	■	■		■	■	
GT-DE(B,S)-20-12(L)	12.0	1670	E(B,S)20AP(L)	■	■	■	■	■	
GT-DE(B)-22-12	12.0	1830	E(B)22AP	■	■				
GT-DE(B,S)-30-12L	12.0	2500	E(B,S)30AL				■	■	■
GT-DB-35-12	12.0	2920	B35AP			■			
GT-DE(B,S)-36-12L	12.0	3000	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-12L	12.0	3750	E(B,S)45AL				■	■	■
GT-DE-52-12L	12.0	4170	E-52AL				■		
GT-DE(B,S)-60-12L	12.0	5000	E(B,S)60AL				■	■	■
GT-DE(B,S)-105-12L	12.0	8750	E(B,S)105AL				■	■	■
GT-DE-120-12L	12.0	10000	E120AL				■		
GT-DE(B,S)-150-12L	12.0	12500	E(B,S)150AL				■	■	■
GT-DE-180-12L	12.0	15000	E180AL				■		
GT-DE-200-12L	12.0	16670	E200AL				■		
GT-DE(B)-10-14L	14.0	710	E(B)10AL				■	■	
GT-DE(B)-16-14	14.0	1140	E(B)16AP	■	■				
GT-DE(B,S)-06-15	15.0	400	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-15(L)	15.0	670	E(B,S)10AP	■	■	■	■	■	
GT-3T48A-15-800	15.0	800	EI-48	■	■		■	■	
GT-DE(B)-12-15	15.0	800	E(B)12AP	■	■				
GT-DE(B)-16-15	15.0	1070	E(B)16AP	■	■				
GT-DE(B,S)-20-15	15.0	1330	E(B,S)20AP	■	■	■			
GT-DE(B)-22-15	15.0	1470	E(B)22AP	■	■				
GT-DE(B,S)-30-15L	15.0	2000	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-15L	15.0	2400	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-15L	15.0	3000	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-15L	15.0	4000	E(B,S)60AL				■	■	■
GT-DE(B)-10-16L	16.0	620	E(B)10AL				■	■	
GT-3T48A-16-700	16.0	700	EI-48	■	■		■	■	
GT-3T48A-16-800	16.0	800	EI-48	■	■		■	■	
GT-DE(B)-16-16	16.0	1000	E(B)16AP	■	■				
GT-DE(B,S)-06-18	18.0	330	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-18(L)	18.0	560	E(B,S)10AP(L)	■	■	■	■	■	
GT-DE(B)-12-18	18.0	670	E(B)12AP	■	■				
GT-DE(B)-16-18	18.0	890	E(B)16AP	■	■				



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



AC Output, Wall Plug-In and DeskTop, Class 2 Transformer



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	DESKTOP EURO	DESKTOP U.K.	DESKTOP SAA
GT-DE(B,S)-20-18	18.0	1110	E(B,S)20AP	■	■	■			
GT-DE(B)-22-18	18.0	1220	E(B)22AP	■	■				
GT-DE(B,S)-30-18L	18.0	1670	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-18L	18.0	2000	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-18L	18.0	2500	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-18L	18.0	3330	E(B,S)60AL				■	■	■
GT-3T41A-20-200	20.0	200	EI-41	■	■		■	■	
GT-DE(B,S)-06-20	20.0	300	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-20(L)	20.0	500	E(B,S)10AP(L)	■	■	■	■	■	
GT-DE(B)-12-20	20.0	600	E(B)12AP	■	■				
GT-DE(B)-16-20	20.0	800	E(B)16AP	■	■				
GT-DE(B,S)-20-20(L)	20.0	1000	E(B,S)20AP(L)	■	■	■	■		
GT-DE(B)-22-20	20.0	1100	E(B)22AP	■	■				
GT-DE(B,S)-30-20L	20.0	1500	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-20L	20.0	1800	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-20L	20.0	2250	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-20L	20.0	3000	E(B,S)60AL				■	■	■
GT-DE(B,S)-06-22	22.0	270	E(B,S)06AP	■	■	■			
GT-DE(B,S)-10-22(L)	22.0	450	E(B,S)10AP(L)	■	■	■	■	■	
GT-DE(B)-12-22	22.0	540	E(B)12AP	■	■				
GT-DE(B)-16-22	22.0	720	E(B)16AP	■	■				
GT-DE(B,S)-20-22	22.0	910	E(B,S)20AP	■	■	■			
GT-DE(B)-22-22	22.0	1000	E(B)22AP	■	■				
GT-DB(S)-30-22L	22.0	1360	B(S)30AL					■	■
GT-DE(B,S)-36-22L	22.0	1640	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-22L	22.0	2010	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-22L	22.0	2730	E(B,S)60AL				■	■	■
GT-DE(B,S)-06-24	24.0	250	E(B,S)06AP	■	■	■			
GT-3T41A-24-350	24.0	350	EI-41	■	■		■	■	
GT-3T48A-24-400	24.0	400	EI-48	■	■		■	■	
GT-DE(B,S)-10-24(L)	24.0	420	E(B,S)10AP(L)	■	■	■	■	■	
GT-3T48A-24-500	24.0	500	EI-48	■	■		■	■	
GT-DE(B)-12-24	24.0	500	E(B)12AP	■	■				
GT-DE(B)-16-24	24.0	670	E(B)16AP	■	■				
GT-DE(B,S)-20-24	24.0	830	E(B,S)20AP	■	■	■			
GT-DE(B)-22-24	24.0	920	E(B)22AP	■	■				
GT-DE(B,S)-30-24L	24.0	1250	E(B,S)30AL				■	■	■
GT-DE(B,S)-36-24L	24.0	1500	E(B,S)36AL				■	■	■
GT-DE(B,S)-45-24L	24.0	1870	E(B,S)45AL				■	■	■
GT-DE(B,S)-60-24L	24.0	2500	E(B,S)60AL				■	■	■
GT-DE(B,S)-105-24L	24.0	4380	E(B,S)105AL				■	■	■
GT-DE-120-24L	24.0	5000	E120AL				■		

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008 REGISTERED



AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY
FOR OUTDOOR TYPES SEE
AC/AC WEATHERPROOF ADAPTORS

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. WALL PLUG (E)	U.K. WALL PLUG (B)	SAA WALL PLUG (S)	DESKTOP EURO	DESKTOP U.K.	DESKTOP SAA
GT-DE(B,S)-150-24L	24.0	6250	E(B,S)150AL				■	■	■
GT-DE(B)-22-36	36.0	610	E(B)22AP	■	■				
GT-DE(B)-45-36L	36.0	1250	E(B)45AL				■	■	



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop, Class I and II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



General Specifications:
Input Voltage/ Frequency:
120VAC+/-10%/ 60Hz
Output Voltage Tolerance:
+/-5% at full load

Protection:
Primary Current (2)/ Thermal (1) Fuses

Configuration:
Step Down Line Transformer with Rectifier-Capacitor
Filter, North America Wall Plug-in or DeskTop
Dual Cord In/Out

Operating Temperature:
0° to 40° C

Humidity:
0%-90% R.H., non-condensing

Storage Temperature:
-20° to 70° C

Dielectric Strength:
4000VAC pri-sec 1500VAC pri & sec-ground

Spacing:
8.0mm primary-secondary

Leakage and Patient Auxiliary Current:
Less than 0.100mA

Enclosure:
Black Polycarbonate, UL94V-0

Cooling:
Thermal Convection, no-vents

Cords:
Output: Standard, 6ft. 2 conductor, 24-18AWG;
Input: 2 or 3 conductor, 18AWG SPT-1 (DeskTop only)
For other output cords, please refer to Output
Plug/Cord Options

Safety:
Medical Models Class I and Class II (BF Type):
UR to UL2601-1, C-UR to CSA 22.2 # 601, UL File #E172861,
TüV to EN60601, TüV E20 MARK B-02-02-41405-019

EMI:
FCC Class B

Model Selection Road Map Example:

1. Required: Medical UL2601 9VDC / 700mA, N.A. "2" Prong Plug, Wall Plug-In, Output Plug Center Positive 2.5mm ID Barrel.
2. Selection table presented in increasing output voltage order; page 2: locate 9V with higher incremental current: GTM348-9-1000
3. Model Selected: GTM348-9-700 w/ case Size EI-48; Please refer to Adaptors Case Style.
4. Output Plug/Cord selected "L-"; Please refer to Adaptors Plug/Cord Options



Notes:

- 1) For unit size and output cords, please refer to Adaptors Output Plug/Cord Options
- *2) Within each Model, Output Current may vary from 50mA to Max. Load specified, in 50mA increments, preserving Output Voltage +/-5% Tolerance
- **3) Options for specifying Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.

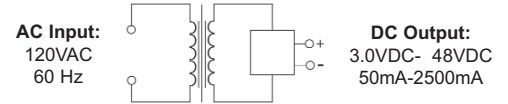
Unit Size Codes:

- 1) **EI 35,41,48,57: Transformer Core Size**
- 2) **Input Blade Style:**
01: N.A. 2 Prong (Class II)
Options:
02: N.A. 3 Prong (Class I)

Options:

- 1) Primary Earth ground pin and secondary/shield ground
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:



** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM335-3-600	3.0	600	EI-35
GTM341-3-1300	3.0	1300	EI-41
GTM348-3-1500	3.0	1500	EI-48
GTM357-3-2500	3.0	2500	EI-57
GTM348-3.3-1500	3.3	1500	EI-48
GTM335-4-600	4.0	600	EI-35

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM341-4-1000	4.0	1000	EI-41
GTM348-4-1300	4.0	1300	EI-48
GTM348-4-1500	4.0	1500	EI-48
GTM357-4-2300	4.0	2300	EI-57
GTM348-4.5-1500	4.5	1500	EI-48
GTM335-5-500	5.0	500	EI-35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



DC Output, Wall Plug-In and DeskTop, Class I and II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM341-5-1000	5.0	1000	EI-41
GTM348-5-1200	5.0	1200	EI-48
GTM348-5-1400	5.0	1400	EI-48
GTM357-5-2300	5.0	2300	EI-57
GTM335-6-500	6.0	500	EI-35
GTM341-6-900	6.0	900	EI-41
GTM348-6-1200	6.0	1200	EI-48
GTM348-6-1400	6.0	1400	EI-48
GTM357-6-2200	6.0	2200	EI-57
GTM335-7-400	7.0	400	EI-35
GTM341-7-800	7.0	800	EI-41
GTM348-7-1100	7.0	1100	EI-48
GTM348-7-1300	7.0	1300	EI-48
GTM357-7-2000	7.0	2000	EI-57
GTM335-7.5-400	7.5	400	EI-35
GTM341-7.5-800	7.5	800	EI-41
GTM348-7.5-900	7.5	900	EI-48
GTM348-7.5-1100	7.5	1100	EI-48
GTM348-7.5-1300	7.5	1300	EI-48
GTM357-7.5-2000	7.5	2000	EI-57
GTM335-9-300	9.0	300	EI-35
GTM341-9-650	9.0	650	EI-41
GTM348-9-1000	9.0	1000	EI-48
GTM348-9-1200	9.0	1200	EI-48
GTM357-9-1800	9.0	1800	EI-57
GTM348-10-700	10.0	700	EI-48
GTM348-10-900	10.0	900	EI-48
GTM348-10-1100	10.0	1100	EI-48
GTM357-10-1500	10.0	1500	EI-57
GTM348-11-1000	11.0	1000	EI-48
GTM335-12-250	12.0	250	EI-35
GTM341-12-600	12.0	600	EI-41
GTM348-12-800	12.0	800	EI-48
GTM348-12-1200	12.0	1200	EI-48
GTM357-12-1400	12.0	1400	EI-57
GTM357-12-1500	12.0	1500	EI-57
GTM348-13.5-850	13.5	850	EI-48
GTM348-13.5-1000	13.5	1000	EI-48
GTM335-14-200	14.0	200	EI-35
GTM341-14-450	14.0	450	EI-41
GTM348-14-500	14.0	500	EI-48
GTM348-14-600	14.0	600	EI-48

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM348-14-800	14.0	800	EI-48
GTM357-14-1300	14.0	1300	EI-57
GTM335-15-200	15.0	200	EI-35
GTM341-15-450	15.0	450	EI-41
GTM348-15-800	15.0	800	EI-48
GTM348-15-900	15.0	900	EI-48
GTM357-15-1300	15.0	1300	EI-57
GTM348-16-900	16.0	900	EI-48
GTM357-16.5-1300	16.5	1300	EI-57
GTM335-18-150	18.0	150	EI-35
GTM341-18-350	18.0	350	EI-41
GTM348-18-350	18.0	350	EI-48
GTM348-18-450	18.0	450	EI-48
GTM348-18-500	18.0	500	EI-48
GTM348-18-550	18.0	550	EI-48
GTM348-18-700	18.0	700	EI-48
GTM357-18-1100	18.0	1100	EI-57
GTM348-20-500	20.0	500	EI-48
GTM357-20-1000	20.0	1000	EI-57
GTM335-21-150	21.0	150	EI-35
GTM341-21-300	21.0	300	EI-41
GTM348-21-300	21.0	300	EI-48
GTM348-21-400	21.0	400	EI-48
GTM348-21-500	21.0	500	EI-48
GTM348-21-600	21.0	600	EI-48
GTM357-21-1000	21.0	1000	EI-57
GTM335-24-100	24.0	100	EI-35
GTM341-24-300	24.0	300	EI-41
GTM348-24-350	24.0	350	EI-48
GTM348-24-450	24.0	450	EI-48
GTM348-24-550	24.0	550	EI-48
GTM357-24-800	24.0	800	EI-57
GTM348-28-450	28.0	450	EI-48
GTM357-28-700	28.0	700	EI-57
GTM348-36-300	36.0	300	EI-48
GTM357-36-500	36.0	500	EI-57
GTM348-48-200	48.0	200	EI-48
GTM357-48-350	48.0	350	EI-57



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

DC Output, Wall Plug-In Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



CEC EISA

INDOOR USE ONLY

General Specifications:

Input Voltage/ Frequency:

100VAC+/-10%/50Hz-60Hz

Input Capacity:

Exceeding 20VA, and less than or equal to 30VA

Output Voltage Tolerance:

+/-5% at full load

Protection:

(2) Primary Current Fuses + (1) Thermal Fuse

Configuration:

Step Down Line Transformer with Rectifier-Capacitor Filter, JAPAN Wall Plug-in

Operating Temperature:

0° to 40° C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70° C

Dielectric Strength:

4000VAC pri-sec
1500VAC pri & sec-ground

Spacing:

8.0mm primary-secondary

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:

Output: Standard, 6ft. 2 conductor, 24-18AWG;
Input: 2 or 3 conductor, 18AWG SPT-1 (DeskTop only)
For other output cords, please refer to Output Plug/Cord Options

Safety: Approved to PSE 60950 for Class I and Class II (BF Type)

EMI:

FCC Class B

Notes:

- 1) For unit size and output cords, please refer to Adaptors Output Plug/Cord Options
- 2) For output blade options please refer to International Adaptor Input Blade Options
- *3) Within each Model, Output Current may vary in 50mA increments, preserving Output Voltage +/-5% Tolerance, while the Input Capacity is larger than 20VA and less or equal with 30VA
- **4) Options for specifying Output Voltage Deviation from Standard Model add Suffix **-x.x** to Model No.

Unit Size Codes:

EI 35,41,48,57 Transformer Core Size:

Input Blade Style:

01: JAPAN 2 Prong

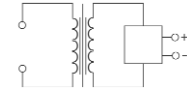
02: JAPAN 3 Prong

Options:

- 1) Primary earth ground pin and secondary/shield ground
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:

AC Input:
100VAC
50/60Hz



DC Output:
3.0VDC-28VDC
50mA-2500mA

Model Selection Road Map Example:

1. Required: DENAN-JAPAN 9VDC / 700mA, N.A. "2" Prong Plug, Wall Plug-In, Output Plug Center Positive 2.5mm ID Barrel.
2. Selection table presented in increasing output voltage order; page 2: locate 9V with higher incremental current: GTM3J48-9-1000
3. Model Selected:GTM3J48-9-700 w/ case Size EI48; Please refer to Adaptors Case Style.
4. Output Plug/Cord selected "B-"; Please refer to Adaptors Plug/Cord Options

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM3J41-3-1300	3.0	1300	EI-41
GTM3J48-3-1500	3.0	1500	EI-48
GTM3J57-3-2500	3.0	2500	EI-57
GTM3J48-3.3-1500	3.3	1500	EI-48
GTM3J41-4-1300	4.0	1300	EI-41
GTM3J48-4-1000	4.0	1000	EI-48

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM3J48-4-1500	4.0	1500	EI-48
GTM3J57-4-2300	4.0	2300	EI-57
GTM3J48-4.5-1500	4.5	1500	EI-48
GTM3J41-5-1000	5.0	1000	EI-41
GTM3J48-5-1200	5.0	1200	EI-48
GTM3J48-5-1400	5.0	1400	EI-48

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



DC Output, Wall Plug-In Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM3J57-5-2300	5.0	2300	EI-57
GTM3J41-6-900	6.0	900	EI-41
GTM3J48-6-1200	6.0	1200	EI-48
GTM3J48-6-1400	6.0	1400	EI-48
GTM3J57-6-2200	6.0	2200	EI-57
GTM3J41-7-800	7.0	800	EI-41
GTM3J48-7-1100	7.0	1100	EI-48
GTM3J48-7-1300	7.0	1300	EI-48
GTM3J57-7-2000	7.0	2000	EI-57
GTM3J41-7.5-800	7.5	800	EI-41
GTM3J48-7.5-900	7.5	900	EI-48
GTM3J48-7.5-1100	7.5	1100	EI-48
GTM3J48-7.5-1300	7.5	1300	EI-48
GTM3J57-7.5-2000	9.0	2000	EI-57
GTM3J41-9-650	9.0	650	EI-41
GTM3J48-9-1000	9.0	1000	EI-48
GTM3J48-9-1200	9.0	1200	EI-48
GTM3J57-9-1800	10.0	1800	EI-57
GTM3J48-10-700	10.0	700	EI-48
GTM3J48-10-900	10.0	900	EI-48
GTM3J48-10-1100	10.0	1100	EI-48
GTM3J57-10-1500	10.0	1500	EI-57
GTM3J48-11-1000	11.0	1000	EI-48
GTM3J41-12-600	12.0	600	EI-41
GTM3J48-12-800	12.0	800	EI-48
GTM3J48-12-1200	12.0	1200	EI-48A
GTM3J57-12-1400	12.0	1400	EI-57
GTM3J57-12-1500	12.0	1500	EI-57
GTM3J48-13.5-850	13.5	850	EI-48
GTM3J48-13.5-1000	13.5	1000	EI-48
GTM3J41-14-450	14.0	450	EI-41
GTM3J48-14-500	14.0	500	EI-48
GTM3J48-14-600	14.0	600	EI-48
GTM3J48-14-800	14.0	800	EI-48
GTM3J57-14-1300	14.0	1300	EI-57
GTM3J41-15-450	15.0	450	EI-41
GTM3J48-15-800	15.0	800	EI-48
GTM3J48-15-900	15.0	900	EI-48
GTM3J57-15-1300	15.0	1300	EI-57
GTM3J48-16-900	16.0	900	EI-48
GTM3J57-16.5-1300	16.5	1300	EI-57
GTM3J41-18-350	18.0	350	EI-41

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE
GTM3J48-18-350	18.0	350	EI-48
GTM3J48-18-450	18.0	450	EI-48
GTM3J48-18-500	18.0	500	EI-48
GTM3J48-18-550	18.0	550	EI-48
GTM3J48-18-700	18.0	700	EI-48
GTM3J57-18-1100	18.0	1100	EI-57
GTM3J48-20-500	20.0	500	EI-48
GTM3J57-20-1000	20.0	1000	EI-57
GTM3J41-21-300	21.0	300	EI-41
GTM3J48-21-300	21.0	300	EI-48
GTM3J48-21-400	21.0	400	EI-48
GTM3J48-21-500	21.0	500	EI-48
GTM3J48-21-600	21.0	600	EI-48
GTM3J57-21-1000	21.0	1000	EI-57
GTM3J41-24-300	24.0	300	EI-41
GTM3J48-24-350	24.0	350	EI-48
GTM3J48-24-450	24.0	450	EI-48
GTM3J48-24-550	24.0	550	EI-48
GTM3J57-24-800	24.0	800	EI-57
GTM3J48-28-450	28.0	450	EI-48
GTM3J57-28-700	28.0	700	EI-57



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop Class I and Class II



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



General Specifications:

Input Voltage/ Frequency:

230VAC+/-10%/50Hz for Euro Type Models
240VAC+/-10%/50Hz for Australia, UK Type Models

Output Voltage Tolerance:

+/-5% at full load

Protection:

(2) Primary Current Fuses + (1) Thermal Fuse

Configuration:

Step Down Line Transformer with Rectifier-Capacitor Filter, Euro./U.K./Australia (SAA) Type Wall Plug-in or DeskTop Dual Cord In/Out

Operating Temperature:

0° to 40°C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70°C

Dielectric Strength:

4000VAC pri-sec
1500VAC pri & sec-ground

Spacing:

8.0mm primary-secondary

Leakage and Patient Auxiliary Current:

Less than 0.100mA

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:

Output: Standard, 6ft. 2 conductor, 24-18AWG;
Input: 2 or 3 conductor, 18AWG SPT-1 (DeskTop only)
For other output cords, please refer to Output Plug/Cord Options

Safety:

Medical Models Class I and Class II (BF Type):

TÜV/Bauart to EN60601, File#B-02-02-41405-019

EMI:

CE Compliant

Notes:

- 1) For unit size and output cords, please refer to Adaptors Output Plug/Cord Options
- 2) For Input Blade Options please refer to International Adaptor Input Blade Options
- *3) Within each Model, Output Current may vary from 50mA to Max. Load specified, in 50mA increments, preserving Output Voltage +/-5% tolerance
- **4) Options for specifying Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.

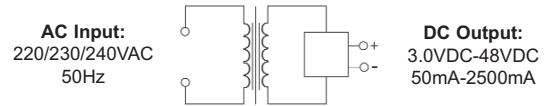
Unit Size Codes:

- 1) Transformer Core Size:
EI 35,41,48,57
- 2) Input Blade Style:
Class II: 07: Euro; 09X: U.K.; 05A: Australia
Class I: 08: Euro 3 Prong; 09A: U.K. 3 Prong; 06A: Australia 3 Prong

Options:

- 1) Primary earth ground pin and secondary/shield ground
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagrams:



Model Selection Road Map Example:

1. Required: Medical EN60601 9VDC / 700mA, EURO. "2" Prong Plug, Wall Plug-In, Output Plug Center Positive 2.5mm ID Barrel.
2. Selection table presented in increasing output voltage order; page 2: locate 9V with higher incremental current:GTM3T48-9-1000D
3. Model Selected: GTM3T48-9-700D w/ case Size EI-48; Please refer to Adaptors Case Style.
4. Output Plug/Cord selected "L-"; Please refer to Adaptors Plug/Cord Options

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	DESKTOP OPTION	EURO. WALL PLUG	U.K. WALL PLUG	SAA WALL PLUG
GTM3T35-3-600C	3.0	600	EI-35	■	■	■	■
GTM3T41-3-1300D	3.0	1300	EI-41	■	■	■	■
GTM3T48-3-1500D	3.0	1500	EI-48	■	■	■	■
GTM3T57-3-2500D	3.0	2500	EI-57	■	■	■	■
GTM3T48-3.3-1500D	3.3	1500	EI-48	■	■	■	■
GTM3T35-4-600C	4.0	600	EI-35	■	■	■	■
GTM3T41-4-1300D	4.0	1300	EI-41	■	■	■	■
GTM3T48-4-1000D	4.0	1000	EI-48	■	■	■	■
GTM3T48-4-1500D	4.0	1500	EI-48	■	■	■	■
GTM3T57-4-2300D	4.0	2300	EI-57	■	■	■	■
GTM3T48-4.5-1500D	4.5	1500	EI-48	■	■	■	■
GTM3T35-5-500C	5.0	500	EI-35	■	■	■	■
GTM3T41-5-1000D	5.0	1000	EI-41	■	■	■	■
GTM3T48-5-1200D	5.0	1200	EI-48	■	■	■	■

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop Class I and Class II

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	DESKTOP OPTION	EURO. WALL PLUG	U.K. WALL PLUG	SAA WALL PLUG
GTM3T48-5-1400D	5.0	1400	EI-48	■	■	■	■
GTM3T57-5-2300D	5.0	2300	EI-57	■	■	■	■
GTM3T35-6-500C	6.0	500	EI-35	■	■	■	■
GTM3T41-6-900D	6.0	900	EI-41	■	■	■	■
GTM3T48-6-1200D	6.0	1200	EI-48	■	■	■	■
GTM3T48-6-1400D	6.0	1400	EI-48	■	■	■	■
GTM3T57-6-2200D	6.0	2200	EI-57	■	■	■	■
GTM3T35-7-400C	7.0	400	EI-35	■	■	■	■
GTM3T41-7-800D	7.0	800	EI-41	■	■	■	■
GTM3T48-7-1100D	7.0	1100	EI-48	■	■	■	■
GTM3T48-7-1300D	7.0	1300	EI-48	■	■	■	■
GTM3T57-7-2000D	7.0	2000	EI-57	■	■	■	■
GTM3T35-7.5-400C	7.5	400	EI-35	■	■	■	■
GTM3T41-7.5-800D	7.5	800	EI-41	■	■	■	■
GTM3T48-7.5-900D	7.5	900	EI-48	■	■	■	■
GTM3T48-7.5-1100D	7.5	1100	EI-48	■	■	■	■
GTM3T48-7.5-1300D	7.5	1300	EI-48	■	■	■	■
GTM3T57-7.5-2000D	7.5	2000	EI-57	■	■	■	■
GTM3T35-9-300C	9.0	300	EI-35	■	■	■	■
GTM3T41-9-650D	9.0	650	EI-41	■	■	■	■
GTM3T48-9-1000D	9.0	1000	EI-48	■	■	■	■
GTM3T48-9-1200D	9.0	1200	EI-48	■	■	■	■
GTM3T57-9-1800D	9.0	1800	EI-57	■	■	■	■
GTM3T48-10-700D	10.0	700	EI-48	■	■	■	■
GTM3T48-10-900D	10.0	900	EI-48	■	■	■	■
GTM3T48-10-1100D	10.0	1100	EI-48	■	■	■	■
GTM3T57-10-1500D	10.0	1500	EI-57	■	■	■	■
GTM3T48-11-1000D	11.0	1000	EI-48	■	■	■	■
GTM3T35-12-250C	12.0	250	EI-35	■	■	■	■
GTM3T41-12-600D	12.0	600	EI-41	■	■	■	■
GTM3T48-12-800D	12.0	800	EI-48	■	■	■	■
GTM3T48-12-1200D	12.0	1200	EI-48	■	■	■	■
GTM3T57-12-1400D	12.0	1400	EI-57	■	■	■	■
GTM3T57-12-1500D	12.0	1500	EI-57	■	■	■	■
GTM3T48-13.5-850D	13.5	850	EI-48	■	■	■	■
GTM3T48-13.5-1000D	13.5	1000	EI-48	■	■	■	■
GTM3T35-14-200C	14.0	200	EI-35	■	■	■	■
GTM3T41-14-450D	14.0	450	EI-41	■	■	■	■
GTM3T48-14-500D	14.0	500	EI-48	■	■	■	■
GTM3T48-14-600D	14.0	600	EI-48	■	■	■	■
GTM3T48-14-800D	14.0	800	EI-48	■	■	■	■
GTM3T57-14-1300D	14.0	1300	EI-57	■	■	■	■



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DC Output, Wall Plug-In and DeskTop Class I and Class II

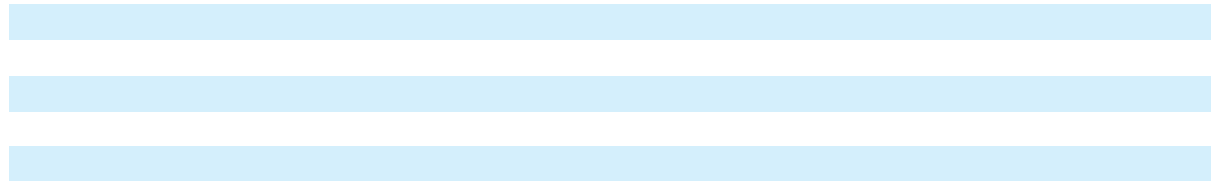


Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY



** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	DESKTOP OPTION	EURO. WALL PLUG	U.K. WALL PLUG	SAA WALL PLUG
GTM3T35-15-200C	15.0	200	EI-35	■	■	■	■
GTM3T41-15-450D	15.0	450	EI-41	■	■	■	■
GTM3T48-15-800D	15.0	800	EI-48	■	■	■	■
GTM3T48-15-900D	15.0	900	EI-48	■	■	■	■
GTM3T57-15-1300D	15.0	1300	EI-57	■	■	■	■
GTM3T48-16-900D	16.0	900	EI-48	■	■	■	■
GTM3T57-16.5-1300D	16.5	1300	EI-57	■	■	■	■
GTM3T57-17.8-1500D	17.8	1500	EI-57	■	■	■	■
GTM3T35-18-150C	18.0	150	EI-35	■	■	■	■
GTM3T41-18-350D	18.0	350	EI-41	■	■	■	■
GTM3T48-18-350C	18.0	350	EI-48	■	■	■	■
GTM3T48-18-450D	18.0	450	EI-48	■	■	■	■
GTM3T48-18-500D	18.0	500	EI-48	■	■	■	■
GTM3T48-18-550D	18.0	550	EI-48	■	■	■	■
GTM3T48-18-700D	18.0	700	EI-48	■	■	■	■
GTM3T57-18-1100D	18.0	1100	EI-57	■	■	■	■
GTM3T48-20-500D	20.0	500	EI-48	■	■	■	■
GTM3T57-20-1000D	20.0	1000	EI-57	■	■	■	■
GTM3T35-21-150C	21.0	150	EI-35	■	■	■	■
GTM3T41-21-300D	21.0	300	EI-41	■	■	■	■
GTM3T48-21-300C	21.0	300	EI-48	■	■	■	■
GTM3T48-21-400D	21.0	400	EI-48	■	■	■	■
GTM3T48-21-500D	21.0	500	EI-48	■	■	■	■
GTM3T48-21-600D	21.0	600	EI-48	■	■	■	■
GTM3T57-21-1000D	21.0	1000	EI-57	■	■	■	■
GTM3T35-24-100C	24.0	100	EI-35	■	■	■	■
GTM3T41-24-300D	24.0	300	EI-41	■	■	■	■
GTM3T48-24-350D	24.0	350	EI-48	■	■	■	■
GTM3T48-24-450D	24.0	450	EI-48	■	■	■	■
GTM3T48-24-550D	24.0	550	EI-48	■	■	■	■
GTM3T57-24-800D	24.0	800	EI-57	■	■	■	■
GTM3T48-28-450D	28.0	450	EI-48	■	■	■	■
GTM3T57-28-700D	28.0	700	EI-57	■	■	■	■
GTM3T48-36-300D	36.0	300	EI-48	■	■	■	■
GTM3T57-36-500D	36.0	500	EI-57	■	■	■	■
GTM3T48-48-200D	48.0	200	EI-48	■	■	■	■
GTM3T57-48-350D	48.0	350	EI-57	■	■	■	■



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

General Specifications:

Input Voltage/ Frequency:

120VAC+/-10%/60Hz for N.A.Type Models

Output Voltage Tolerance:

+/-5% at full load

Protection:

(2) Primary Current Fuses + (1) Thermal Fuse

Configuration:

Step Down AC/AC Transformer
North America Wall Plug-in or Desk-Top
Dual Cord In/Out

Operating Temperature:

0° to 40°C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70°C

Dielectric Strength:

4000VAC pri-sec 1500VAC pri & sec-ground

Spacing:

8.0mm primary-secondary

Leakage and Patient Auxiliary Current:

Less than 0.010mA

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal/Natural Convection

Cords:

Output: Standard 6 ft. 2 conductor, 24-16AWG;

For other output cords, please refer to Output Plug/Cords Options; 2 or 3 conductor 18AWG SPT-1 Input (DeskTop Dual Cord)

Safety: Designed to meet

Medical Models Class I and Class II (BF Type):

C-UR/C-TUV-US to UL2601-1 and to CSA, UL22.2#601

EMI:

FCC Class B

Notes:

- *1) Within each Model, Output Current may vary from 50mA to Max. Load specified, in 50mA increments, preserving Output Voltage +/-5% Tolerance
- *2) For unit size and output cords please refer to Adaptors Output Plug/ Cord Options
- **3) Options for specifying Output Voltage Deviation from Standard Model add suffix -x.x to Model No

Case Size Codes:

GTM3: 35, 41, 48, 57, 60, 66

GTM7: A10 to A60

Transformer Core Size

For adaptor size, please refer to Adaptors Case Styles

A: N.A. Input Blade Style

Class II: 01: USA NEMA 1-15P, 2 prongs

Class I: 02: USA NEMA 5-15P, 3 prongs

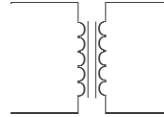
P: Wall Plug Case; **L:** Desk-Top Dual Cord Case

Options:

- 1) Primary Earth ground pin and secondary/shield ground
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:

AC Input:
120/100VAC
60Hz/50-60Hz



AC Output:
2.3VAC-36VAC
50mA-5,000mA



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GTM341A-2.3-3000	2.3	3000	EI-41
GTM335A-3-400	3.0	400	EI-35
GTM335A-3-800	3.0	800	EI-35
GTM335A-3-900	3.0	900	EI-35
GTM7A10PA-3.5-2800	3.5	2800	A10AP
GTM335A-3.6-300	3.6	300	EI-35
GTM335A-3.6-700	3.6	700	EI-35
GTM335A-3.6-900	3.6	900	EI-35
GTM348A-4-1000	4.0	1000	EI-48
GTM335A-4.5-350	4.5	350	EI-35
GTM335A-4.5-700	4.5	700	EI-35
GTM335A-4.5-800	4.5	800	EI-35

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GTM341A-4.5-800	4.5	800	EI-41
GTM341A-4.5-950	4.5	950	EI-41
GTM341A-4.5-1000	4.5	1000	EI-41
GTM341A-4.5-1300	4.5	1300	EI-41
GTM341A-4.5-1600	4.5	1600	EI-41
GTM335A-5-300	5.0	300	EI-35
GTM335A-5-600	5.0	600	EI-35
GTM335A-5-700	5.0	700	EI-35
GTM341A-5-700	5.0	700	EI-41
GTM341A-5-900	5.0	900	EI-41
GTM341A-5-1200	5.0	1200	EI-41
GTM341A-5-1600	5.0	1600	EI-41

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GTM335A-6-300	6.0	300	EI-35
GTM335A-6-600	6.0	600	EI-35
GTM335A-6-700	6.0	700	EI-35
GTM341A-6-700	6.0	700	EI-41
GTM341A-6-900	6.0	900	EI-41
GTM341A-6-1200	6.0	1200	EI-41
GTM341A-6-1500	6.0	1500	EI-41
GTM348A-6-1600	6.0	1600	EI-48
GTM7A10LA-6-1670	6.0	1670	A10AL
GTM348A-6-1800	6.0	1800	EI-48
GTM348A-6-2000	6.0	2000	EI-48
GTM7A30PA-6-5000	6.0	5000	A30AP
GTM341A-7-600	7.0	600	EI-41
GTM341A-7-800	7.0	800	EI-41
GTM341A-7-1100	7.0	1100	EI-41
GTM341A-7-1400	7.0	1400	EI-41
GTM335A-7.5-250	7.5	250	EI-35
GTM335A-7.5-500	7.5	500	EI-35
GTM335A-7.5-650	7.5	650	EI-35
GTM341A-7.5-800	7.5	800	EI-41
GTM341A-7.5-1100	7.5	1100	EI-41
GTM7A10LA-7.5-1330	7.5	1330	A10AL
GTM341A-7.5-1400	7.5	1400	EI-41
GTM348A-7.5-1400	7.5	1400	EI-48
GTM348A-7.5-1700	7.5	1700	EI-48
GTM348A-7.5-1900	7.5	1900	EI-48
GTM7A30PA-7.5-4000	7.5	4000	A30AP
GTM335A-8-250	8.0	250	EI-35
GTM335A-8-500	8.0	500	EI-35
GTM335A-8-600	8.0	600	EI-35
GTM335A-9-150	9.0	150	EI-35
GTM335A-9-500	9.0	500	EI-35
GTM335A-9-600	9.0	600	EI-41
GTM341A-9-800	9.0	800	EI-41
GTM341A-9-1000	9.0	1000	EI-57
GTM7A10L-9-1110	9.0	1110	EI-48
GTM341A-9-1200	9.0	1200	EI-57
GTM341A-9-1500	9.0	1500	EI-35
GTM348A-9-1500	9.0	1500	EI-41
GTM348A-9-1800	9.0	1800	EI-48
GTM7A30P-9-3330	9.0	3330	EI-48
GTM7A40P-9-4440	9.0	4440	EI-48

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GTM341A-10-500	10.0	500	EI-48
GTM341A-10-750	10.0	750	EI-57
GTM341A-10-900	10.0	900	EI-35
GTM341A-10-1100	10.0	1100	EI-41
GTM348A-10-1100	10.0	1100	EI-48
GTM348A-10-1400	10.0	1400	EI-48
GTM348A-10-1700	10.0	1700	EI-48
GTM335A-12-200	12.0	200	EI-57
GTM335A-12-400	12.0	400	EI-48
GTM335A-12-500	12.0	500	EI-57
GTM341A-12-600	12.0	600	EI-48
GTM341A-12-800	12.0	800	EI-57
GTM7A10L-12-830	12.0	830	EI-48
GTM341A-12-900	12.0	900	EI-57
GTM341A-12-1200	12.0	1200	EI-41
GTM348A-12-1200	12.0	1200	EI-48
GTM348A-12-1500	12.0	1500	EI-48
GTM348A-12-1600	12.0	1600	EI-48
GTM7A20PA-12-1670	12.0	1670	A20AP
GTM7A24PA-12-1830	12.0	1830	A24AP
GTM7A30PA-12-2500	12.0	2500	A30AP
GTM7A35LA-12-2910	12.0	2910	A35AL
GTM7A36PA-12-3000	12.0	3000	A36AP
GTM7A40PA-12-3330	12.0	3330	A40AP
GTM7A50LA-12-4170	12.0	4170	A50AL
GTM7A60LA-12-4170	12.0	4170	A60AL
GTM7A30PA-13-2300	13.0	2300	A30AP
GTM7A40PA-13.5-2960	13.5	2960	A40AP
GTM7A30P-13.8-2170	13.8	2170	A30AP
GTM341A-14-350	14.0	350	EI-41
GTM341A-14-500	14.0	500	EI-41
GTM341A-14-700	14.0	700	EI-41
GTM7A10LA-14-710	14.0	710	A10AL
GTM341A-14-750	14.0	750	EI-41
GTM348A-14-800	14.0	800	EI-48
GTM348A-14-1100	14.0	1100	EI-48
GTM348A-14-1200	14.0	1200	EI-48
GTM357A-14-1800	14.0	1800	EI-57
GTM7A30PA-14-2140	14.0	2140	A30AP
GTM7A40PA-14-2860	14.0	2860	A40AP
GTM335A-15-150	15.0	150	EI-35
GTM335A-15-350	15.0	350	EI-35

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



AC Output, Wall Plug-In and DeskTop, Class 2 Transformer

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GTM335A-15-400	15.0	400	EI-35
GTM341A-15-500	15.0	500	EI-41
GTM341A-15-650	15.0	650	EI-41
GTM7A10LA-15-670	15.0	670	A10AL
GTM341A-15-750	15.0	750	EI-41
GTM341A-15-1000	15.0	1000	EI-41
GTM348A-15-1100	15.0	1100	EI-48
GTM348A-15-1200	15.0	1200	EI-48
GTM348A-15-1500	15.0	1500	EI-48
GTM7A30PA-15-2000	15.0	2000	A30AP
GTM7A40PA-15-2860	15.0	2860	A40AP
GTM341A-16-250	16.0	250	EI-41
GTM341A-16-350	16.0	350	EI-41
GTM341A-16-375	16.0	375	EI-41
GTM341A-16-500	16.0	500	EI-41
GTM341A-16-600	16.0	600	EI-41
GTM7A10LA-16-620	16.0	620	A10AL
GTM348A-16-700	16.0	700	EI-48
GTM348A-16-1000	16.0	1000	EI-48
GTM348A-16-1100	16.0	1100	EI-48
GTM7A30PA-16-1880	16.0	1880	A30AP
GTM7A40PA-16.5-2420	16.5	2420	A40AP
GTM335A-18-150	18.0	150	EI-35
GTM335A-18-300	18.0	300	EI-35
GTM335A-18-350	18.0	350	EI-35
GTM341A-18-350	18.0	350	EI-41
GTM341A-18-500	18.0	500	EI-41
GTM341A-18-550	18.0	550	EI-41
GTM7A10LA-18-560	18.0	560	A10AL
GTM341A-18-600	18.0	600	EI-41
GTM348A-18-600	18.0	600	EI-48
GTM348A-18-800	18.0	800	EI-48
GTM348A-18-1000	18.0	1000	EI-48
GTM7A30PA-18-1670	18.0	1670	A30AP
GTM7A40PA-18-2220	18.0	2220	A40AP
GTM341A-19-300	19.0	300	EI-41
GTM341A-19-450	19.0	450	EI-41
GTM341A-19-500	19.0	500	EI-41
GTM341A-19-550	19.0	550	EI-41
GTM335A-20-200	20.0	200	EI-35
GTM7A10LA-20-500	20.0	500	A10AL
GTM7A12PA-20-600	20.0	600	A12AP

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE
GTM7A30PA-20-1500	20.0	1500	A30AP
GTM7A40PA-20-2000	20.0	2000	A40AP
GTM335A-21-100	21.0	100	EI-35
GTM335A-21-250	21.0	250	EI-35
GTM335A-21-300	21.0	300	EI-35
GTM341A-21-300	21.0	300	EI-41
GTM341A-21-400	21.0	400	EI-41
GTM341A-21-450	21.0	450	EI-41
GTM341A-21-500	21.0	500	EI-41
GTM348A-21-650	21.0	650	EI-48
GTM348A-21-850	21.0	850	EI-48
GTM7A10LA-22-450	22.0	450	A10AL
GTM7A12PA-22-540	22.0	540	A12AP
GTM7A30PA-22-1360	22.0	1360	A30AP
GTM7A33LA-22-1500	22.0	1500	A33AL
GTM7A40PA-22-1820	22.0	1820	A40AP
GTM335A-24-100	22.0	100	EI-35
GTM335A-24-150	24.0	150	EI-35
GTM335A-24-200	24.0	200	EI-35
GTM341A-24-300	24.0	300	EI-41
GTM341A-24-400	24.0	400	EI-41
GTM7A10L-24-420	24.0	420	A10AL
GTM341A-24-450	24.0	450	EI-41
GTM341A-24-500	24.0	500	EI-41
GTM348A-24-600	24.0	600	EI-48
GTM348A-24-750	24.0	750	EI-48
GTM7A20PA-24-830	24.0	830	A20AP
GTM7A24P-24-1000	24.0	1000	A24AP
GTM7A30PA-24-1250	24.0	1250	A30AP
GTM7A33LA-24-1250	24.0	1250	A33AL
GTM7A36PA-24-1500	24.0	1500	A36AP
GTM7A40PA-24-1670	24.0	1670	A40AP
GTM7A60LA-24-2500	24.0	2500	A60AL
GTM7A36PA-36-1000	24.0	1000	A36AP



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DeskTop and Wall Plug-In Single Output Models

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



INDOOR USE ONLY

General Specifications:

Input Voltage/ Frequency:

230VAC+/-10%/50Hz
240VAC+/-10%/50Hz

Output Voltage Tolerance:

+/-5% at full load

Protection:

(2) Primary Current Fuses + (1) Thermal Fuse

Configuration:

Step Down AC/AC Transformer
Euro./U.K./Australia (SAA) Type Wall Plug-in
or Desk-Top Dual Cord In/ Out

Operating Temperature:

0° to 40°C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70°C

Dielectric Strength:

4000VAC pri-sec 2500VAC pri-ground / 500VAC
sec-ground (option)

Spacing:

8.0mm primary-secondary

Leakage and Patient Auxiliary Current:

Less than 0.100mA

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal/Natural Convection

Cords:

Output: Standard 6 ft. 2 conductor, 24-16AWG;
For other output cords, please refer to Output
Plug/Cord Options conductor, 18AWG SPT-1 Input
(Desk-Top Dual Cord)

Safety: Designed to meet

Medical Models Class I and Class II (BF Type):

EMI:

CE Compliant

Notes:

- *1) Within each Model, Output Current may vary from 50mA to Max. Load specified in 50mA increments preserving Output Voltage +/- Tolerance
- 2) For unit size and output cords please refer to Adaptors Output Plug/ Cord Options
- 3) For International Input Blade Options please refer to International Input Configurations
- **4) Options for specifying Output Voltage Deviation from Standard Model add suffix -x.x to Model No.

Case Size Codes:

- 1) **35,41,48 and 06A through 200A:** Transformer Core Size Please refer to Adaptors Case Styles
T: Euro (-3)/U.K.(-4); A: Australia
or
E: Euro; B: U.K.; S: Australia
P: Wall Plug Case; L: Dual Cord Case

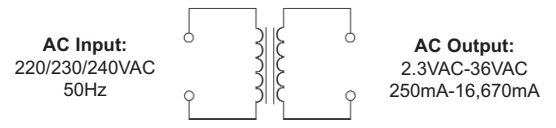
2) **Input Blade Style:**

Class II: **07:** Euro; **09A:** U.K.; **05A:** Australia
Class I: **08:** Euro; **09C:** U.K.; **06A:** Australia

Options:

- 1) Primary earth ground pin and secondary/shield ground
- 2) Custom output cords, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. PLUG (07) (08)	U.K. PLUG (09A) (09C)	SAA PLUG (05A) (06A)	EURO DUAL CORD	U.K. DUAL CORD	SAA DESKTOP
GTM3A41A-2.3-3000	2.3	3000	EI-41			■			■
GTM7E(B,S)06PA-3.5-1710	3.5	1710	E(B,S)06AP	■	■	■			
GTM7E(B,S)10P(L)A-3.5-2860	3.5	2860	E(B,S)10AP(L)	■	■	■	■	■	
GTM7E(B)12PA-3.5-3430	3.5	3430	E(B)12AP	■	■				
GTM7E(B)16PA-3.5-4570	3.5	4570	E(B)16AP	■	■				
GTM7E(B,S)20PA-3.5-5710	3.5	5710	E(B,S)20AP	■	■	■			
GTM7S30LA-3.5-8570	3.5	8570	S30AL						■
GTM7E(B,S)06PA-6-1000	6.0	1000	E(B,S)06AP	■	■	■			
GTM7E(B,S)10P(L)A-6-1670	6.0	1670	E(B,S)10AP(L)	■	■	■	■	■	
GTM7E(B,S)12PA-6-2000	6.0	2000	E(B,S)12AP	■	■				

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DeskTop and Wall Plug-In Single Output Models

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. PLUG (07) (08)	U.K. PLUG (09A) (09C)	SAA PLUG (05A) (06A)	EURO DUAL CORD	U.K. DUAL CORD	SAA DESKTOP
GTM7E(B)16PA-6-2670	6.0	2570	E(B)16AP	■	■				
GTM7E(B,S)20PA-6-3330	6.0	3330	E(B,S)20AP	■	■	■			
GTM7E(B)22PA-6-3670	6.0	3570	E(B)22AP	■	■				
GTM7E(B,S)30LA-6-5000	6.0	5000	E(B,S)30AL				■	■	■
GTM7E(B,S)LA-6-6000	6.0	6000	E(B,S)36AL	■	■		■	■	
GTM7E(B,S)45LA-6-7500	6.0	7500	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-6-10000	6.0	10000	E(B,S)60AL				■	■	■
GTM3T35A-7-350-3(4)	7.0	350	EI-41	■	■		■	■	
GTM7E(B,S)06PA-7.5-800	7.5	800	E(B,S)06AP	■	■	■			
GTM7E(B,S)10P(L)A-7.5-1330	7.5	1330	E(B,S)10AP(L)	■	■	■	■	■	
GTM7E(B)12PA-7.5-1600	7.5	1600	E(B)12AP	■	■				
GTM7E(B)16PA-7.5-2130	7.5	2130	E(B)16AP	■	■				
GTM7E(B,S)20PA-7.5-2670	7.5	2570	E(B,S)20AP	■	■	■			
GTM7E(B)22PA-7.5-2930	7.5	2930	EI-48	■	■				
GTM7E(B,S)30LA-7.5-4000	7.5	4000	E(B,S)30AL				■	■	■
GTM7E(B,S)36LA-7.5-4800	7.5	4800	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-7.5-6000	7.5	6000	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-7.5-8000	7.5	8000	E(B,S)60AL				■	■	■
GTM3T35A-9-300-3(4)	9.0	300	EI-35	■	■				
GTM3T35A-9-350-3(4)	9.0	350	EI-35	■	■				
GTM3T41A-9-400-3(4)	9.0	400	EI-41	■	■		■	■	
GTM3T41A-9-500-3(4)	9.0	500	EI-41	■	■		■	■	
GTM3T41A-9-600-3(4)	9.0	600	EI-41	■	■		■	■	
GTM7E(B,S)06PA-9-670	9.0	670	E(B,S)06AP	■	■	■			
GTM3T41A-9-700-3(4)	9.0	700	EI-41	■	■		■	■	■
GTM3T41A-9-750-3(4)	9.0	750	EI-41	■	■		■	■	
GTM3T41A-9-780-3(4)	9.0	780	EI-41	■	■		■	■	
GTM3T48A-9-900-3(4)	9.0	900	EI-48	■	■		■	■	
GTM3T48A-9-1000-3(4)	9.0	1000	EI-48	■	■		■	■	
GTM7E(B,S)10PA-9-1110	9.0	1110	E(B,S)10AP(L)	■	■	■	■	■	
GTM3T48A-9-1200-3(4)	9.0	1200	EI-48	■	■		■	■	
GTM7E(B)12PA-9-1330	9.0	1330	E(B)12AP	■	■				
GTM7E(B)16PA-9-1780	9.0	1780	E(B)16AP	■	■				
GTM7E(B,S)20PA-9-2220	9.0	2220	E(B,S)20AP	■	■	■			
GTM7E(B,S)30LA-9-3330	9.0	3330	E(B,S)30AL				■	■	■
GTM7E(B,S)36LA-9-4000	9.0	4000	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-9-5000	9.0	5000	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-9-6670	9.0	6670	E(B,S)60AL				■	■	■
GTM7E(B)105LA-9-11670	9.0	11670	E(B)105AL				■	■	
GTM3T(A)41A-12-300-3(4)	12.0	300	EI-41	■	■	■	■	■	■
GTM3T41A-12-400-3(4)	12.0	400	EI-41	■	■		■	■	
GTM3T41A-12-500-3(4)	12.0	500	EI-41	■	■		■	■	



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DeskTop and Wall Plug-In Single Output Models



Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. PLUG (07) (08)	U.K. PLUG (09A) (09C)	SAA PLUG (05A) (06A)	EURO DUAL CORD	U.K. DUAL CORD	SAA DESKTOP
GTM7E(B,S)06PA-12-500	12.0	500	E(B,S)06AP	■	■	■			
GTM3T41A-12-600-3(4)	12.0	600	EI-41	■	■		■	■	
GTM3T48A-12-800-3(4)	12.0	800	EI-48	■	■		■	■	■
GTM7E(B,S)10P(L)-12-830	12.0	830	E(B,S)10AP(L)	■	■	■	■	■	
GTM3T48A-12-900-3(4)	12.0	900	EI-48	■	■		■	■	
GTM3T48A-12-1000-3(4)	12.0	1000	EI-48	■	■		■	■	
GTM7E(B)12PA-12-1000	12.0	1000	E(B)12AP	■	■				
GTM7E(B)16PA-12-1330	12.0	1330	E(B)16AP	■	■				
GTM3T48A-12-1500-3(4)	12.0	1500	EI-48	■	■		■	■	
GTM7E(B,S)20P(L)A-12-1670	12.0	1670	E(B,S)20AP(L)	■	■	■	■		
GTM7E(B)22PA-12-1830	12.0	1830	E(B)22AP	■	■				
GTM7E(B,S)30LA-12-2500	12.0	2500	E(B,S)30AL				■	■	■
GTM7B35PA-12-2920	12.0	2920	B35AP		■				
GTM7E(B,S)36LA-12-3000	12.0	3000	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-12-3750	12.0	3750	E(B,S)45AL				■	■	■
GTM7ELA-12-4170	12.0	4170	E52AL				■		
GTM7E(B,S)60LA-12-5000	12.0	5000	E(B,S)60AL				■	■	■
GTM7E(B,S)105LA-12-8750	12.0	8750	E(B,S)105AL				■	■	■
GTM7E120LA-12-10000	12.0	10000	E120AL				■		
GTM7E(B,S)150LA-12-12500	12.0	12500	E(B,S)150AL				■	■	■
GTM7E180LA-12-15000	12.0	1500	E180AL				■		
GTM7E200LA-12-16670	12.0	16670	E200AL				■		
GTM7E(B)10LA-14-710	14.0	710	E(B)10AL				■	■	
GTM7E(B)16PA-14-1140	14.0	1140	E(B)16AP	■	■				
GTM7E(B,S)06PA-15-400	15.0	400	E(B,S)06AP	■	■	■			
GTM7E(B,S)10P(L)A-15-670	15.0	670	E(B,S)10AP(L)	■	■	■	■	■	
GTM3T48A-15-800-3(4)	15.0	800	EI-48	■	■		■	■	■
GTM7E(B)12PA-15-800	15.0	800	E(B)12AP	■	■				
GTM7E(B)16PA-15-1070	15.0	1070	E(B)16AP	■	■				
GTM7E(B,S)20PA-15-1330	15.0	1330	E(B,S)20AP	■	■	■			
GTM7E(B)22PA-15-1470	15.0	1470	E(B)22AP	■	■				
GTM7E(B,S)30LA-15-2000	15.0	2000	E(B,S)30AL				■	■	■
GTM7E(B,S)36LA-15-2400	15.0	2400	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-15-3000	15.0	3000	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-15-4000	15.0	4000	E(B,S)60AL	■	■		■	■	■
GTM7E(B)10LA-16-620	16.0	620	E(B)10AL				■	■	
GTM3T48A-16-700-3(4)	16.0	700	EI-48	■	■		■	■	
GTM3T48A-16-800-3(4)	16.0	800	EI-48	■	■		■	■	■
GTM7E(B)16PA-16-1000	16.0	1000	E(B)16AP	■	■		■	■	■
GTM7E(B,S)06PA-18-330	18.0	330	E(B,S)06AP	■	■	■			
GTM7E(B,S)10P(L)A-18-560	18.0	560	E(B,S)10AP(L)	■	■	■	■	■	
GTM7E(B)12PA-18-670	18.0	670	E(B)12AP	■	■	■	■	■	■

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



DeskTop and Wall Plug-In Single Output Models

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. PLUG (07) (08)	U.K. PLUG (09A) (09C)	SAA PLUG (05A) (06A)	EURO DUAL CORD	U.K. DUAL CORD	SAA DESKTOP
GTM7E(B)16PA-18-890	18.0	890	E(B)16AP	■	■				
GTM7E(B,S)20PA-18-1110	18.0	1110	E(B)20AP	■	■	■			
GTM7E(B)22PA-18-1220	18.0	1220	E(B)22AP	■	■				
GTM7E(B,S)30LA-18-1670	18.0	1670	E(B,S)30AL				■	■	■
GTM7E(B,S)36LA-18-2000	18.0	2000	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-18-2500	18.0	2500	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-18-3330	18.0	3330	E(B,S)60AL				■	■	■
GTM3T41A-20-200-3(4)	20.0	200	EI-41	■	■		■	■	
GTM7E(B,S)06PA-20-300	20.0	300	E(B,S)06AP	■	■	■	■	■	
GTM7E(B,S)10P(L)A-20-500	20.0	500	E(B,S)10AP(L)	■	■	■			
GTM7E(B)12PA-20-600	20.0	600	E(B)12AP	■	■				
GTM7E(B)16PA-20-800	20.0	800	E(B)16AP	■	■				
GTM7E(B,S)20P(L)A-20-1000	20.0	1000	E(B,S)20AP(L)	■	■				
GTM7E(B)22PA-20-1100	20.0	1100	E(B)22AP	■	■				
GTM7E(B,S)30LA-20-1500	20.0	1500	E(B,S)30AL				■	■	■
GTM7E(B,S)36LA-20-1800	20.0	1800	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-20-2250	20.0	2250	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-20-3000	20.0	3000	E(B,S)60AL				■	■	■
GTM7E(B,S)06PA-22-270	22.0	270	E(B,S)06AP	■	■	■			
GTM7E(B,S)10P(L)A-22-450	22.0	450	E(B,S)10AP(L)	■	■	■	■	■	
GTM7E(B)12PA-22-540	22.0	540	E(B)12AP	■	■				
GTM7E(B)16PA-22-720	22.0	720	E(B)16AP	■	■				
GTM7E(B,S)20PA-22-910	22.0	910	E(B)20AP	■	■	■	■		
GTM7E(B)22PA-22-1000	22.0	1000	E(B)22AP	■	■				
GTM7B(S)30LA-22-1360	22.0	1360	B(S)30AL					■	■
GTM7E(B,S)36LA-22-1640	22.0	1640	E(B,S)36AL	■	■		■	■	■
GTM7E(B,S)45LA-22-2010	22.0	2010	E(B,S)06AP	■	■	■			
GTM7E(B,S)60LA-22-2730	22.0	2730	E(B,S)60AL				■	■	■
GTM7E(B,S)06PA-24-250	22.0	250	E(B,S)06AP	■	■	■			
GTM3T41A-24-350-3(4)	24.0	350	EI-41	■	■		■	■	
GTM3T48A-24-400-3(4)	24.0	400	EI-48	■	■		■	■	
GTM7E(B,S)10P(L)A-24-420	24.0	420	E(B,S)10AP(L)	■	■	■	■	■	
GTM3T48A-24-500-3(4)	24.0	500	EI-48	■	■		■	■	
GTM7E(B)12PA-24-500	24.0	500	E(B)12AP	■	■				
GTM7E(B)16PA-24-670	24.0	670	E(B)16AP	■	■				
GTM7E(B,S)20PA-24-830	24.0	830	E(B,S)20AP	■	■	■			
GTM7E(B)22PA-24-920	24.0	920	E(B)22AP	■	■				
GTM7E(B,S)30LA-24-1250	24.0	1250	E(B,S)30AL				■	■	■
GTM7E(B,S)36LA-24-1500	24.0	1500	E(B,S)36AL				■	■	■
GTM7E(B,S)45LA-24-1870	24.0	1870	E(B,S)45AL				■	■	■
GTM7E(B,S)60LA-24-2500	24.0	2500	E(B,S)60AL				■	■	■
GTM7E(B,S)105LA-24-4380	24.0	4380	E(B,S)105AL				■	■	■



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



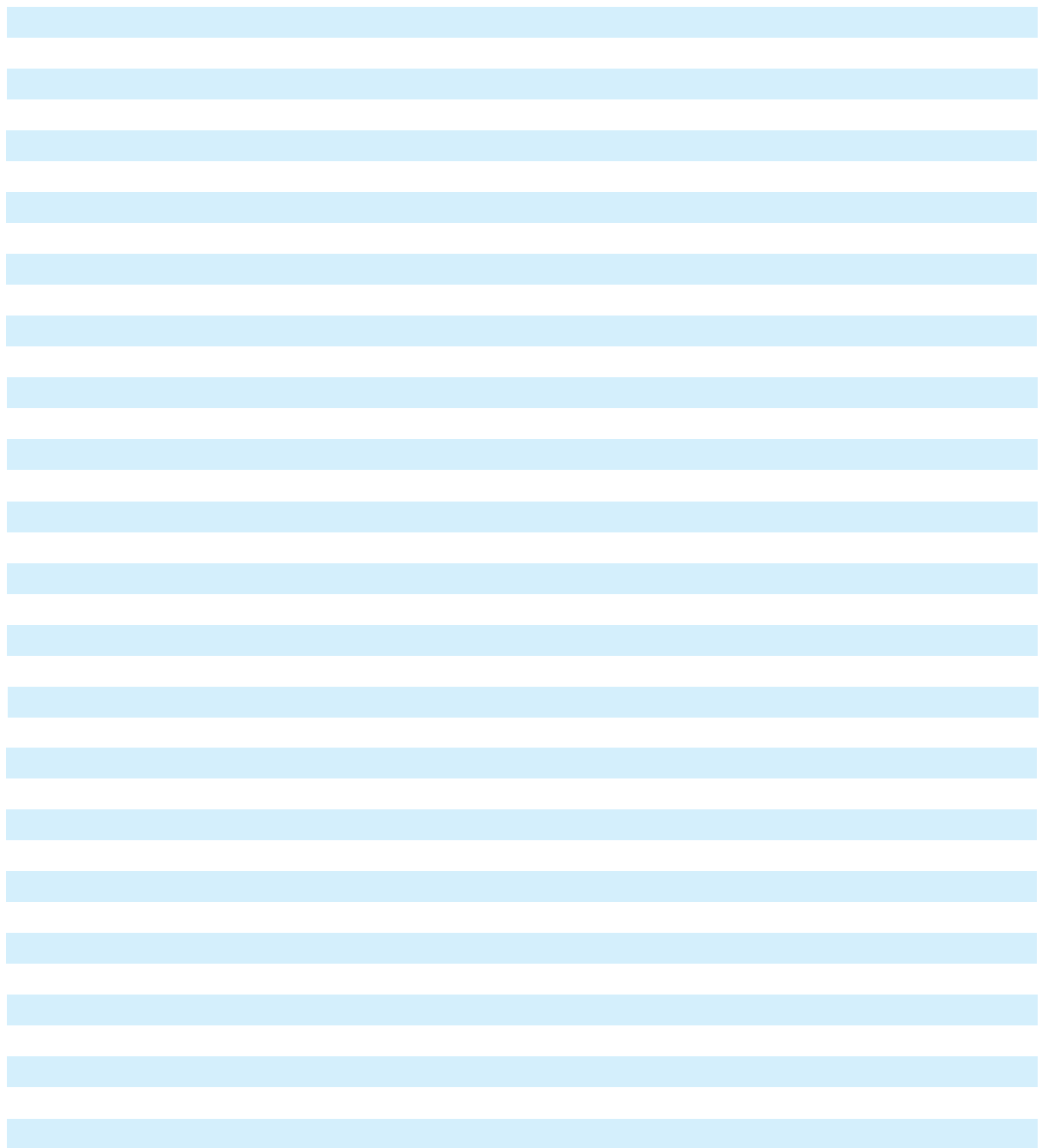
DeskTop and Wall Plug-In Single Output Models

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



 INDOOR USE ONLY

** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	EURO. PLUG (07) (08)	U.K. PLUG (09A) (09C)	SAA PLUG (05A) (06A)	EURO DUAL CORD	U.K. DUAL CORD	SAA DESKTOP
GTM7E120LA-24-5000	24.0	5000	E120AL				■		
GTM7E(B,S)150LA-24-6250	24.0	6250	E(B,S)150AL				■	■	■
GTM7E(B)22PA-36-610	36.0	610	E(B)22AP	■	■				
GTM7E(B)45LA-36-1250	36.0	1250	E(B)45AL				■	■	



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

ISO 9001:2008
REGISTERED**Single and Multiple Outputs, Wall Plug-In and DeskTop Models**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

E132594

INDOOR USE ONLY

General Specifications:**Input Voltage/ Frequency:**120VAC+/-10%/60Hz for N.A. Type Models.
230VAC+/-10%/50Hz For European Type Models.**Output Voltage Regulation (Line/Load):**

+/-5%, measured at output connector.

Output Ripple (Peak to Peak):

50mVmax. @ Full Load, Low Line.

Over-Current/Short-Circuit Protection:

Foldback, Automatic Recovery.

Other Protections:

Input Fusing, Thermal Shutdown.

Configuration:Step Down Line Transformer followed by
Rectifier-Capacitor Filter and Linear Regulator.**Operating Temperature:**

0° to 40°C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70°C

Dielectric Strength:1) N.A.: 1500VAC pri.-sec./ pri.- gnd.
2) Euro.: 2500VAC pri.-sec./ pri.-gnd.**Enclosure:**

Polycarbonate, UL94V-0

Cooling:

Natural Convection, vented case

Cords:Output: Standard 6 ft. multi-conductor, 24-18AWG;
Input: 2 or 3 conductor, 18AWG SPT-1 (DeskTop only) For other
output cords, please refer to Output Plug/Cord options.**Safety:**1) N.A.: UL1310, UL1012, CSA22.2-223, E132594
2) Euro.: TÜV/VDE to EN60950, TÜV Subscriber 41405**EMI:**1) N.A.: FCC Class B.
2) Euro.: CE Compliant**Notes:**

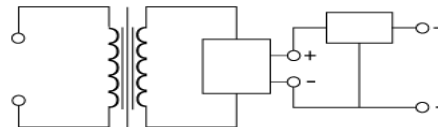
- 1) For unit size and output cords please refer to Adaptors Case Style and Adaptors Output Plug/Cord Options.
- 2) For Input Blade Options please refer to International Adaptors Input Blade Options
- *3) Within each Model, Output Current may vary from 50mA to max load specified in 50mA increments preserving output voltage +/-5% Regulation
- **4) Optional for specifying Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.
- ***5) Up to 5 W Output Power: All Models Listed in the AC/DC Adaptors US and European. Rating Tables have the provision to be converted into Linear Regulated Output by adding the suffix "R" to the Model Number

Unit Size Codes:

- 1) EI-41,48,57: Transformer Core Size
- 2) Input Blade Style: 01: NA; 07: Euro.

or
A, B, C, D, E and F: Wall Plug and Desktop Case Style.**Options:**

- 1) Primary Earth ground PIN and secondary/shield ground.
- 2) Custom output cords, connectors and shielding arrangements.
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:**AC Input:**117/120VAC, 60Hz
220VAC, 50Hz**DC Output:**

single:	multiple:
3.0VDC-24VDC	5V/±12V
250mA-16,670mA	(Table)

**Single Output Models**

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	N.A. WALL PLUG	N.A. DESKTOP	EURO. WALL PLUG	EURO DESKTOP
GT-3T41-5-400R	5.0	400	EI-41		■	■	■
GT-3T48-5-1000R	5.0	1000	EI-48	■			■
GT-8515ST-1	5.0	1200	EI-57		■		
GT-8515ST	5.0	1500	EI-57		■		■
GT-3T48-5.2-650R	5.2	650	EI-48			■	■
GT-348-5.2-650R	5.2	650	EI-48	■	■		
GT-341-5.5-250R	5.5	250	EI-41	■	■		
GT-341-5.9-400R	5.9	400	EI-41	■	■		
GT-341-7.2-300R	7.2	300	EI-41	■	■		
GT-348-12-600R	12.0	600	EI-48		■		
GT-357-12-1000R	12.0	1000	EI-57		■		
GT-81212A	12.0	1200	B:120-76-65mm	■			
GT-85121V-6	12.0	1200	E:120-79-58mm		■		
GT-357-13.9-850R	13.9	850	EI-57	■	■		

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



Single and Multiple Outputs, Wall Plug-In and DeskTop Models

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

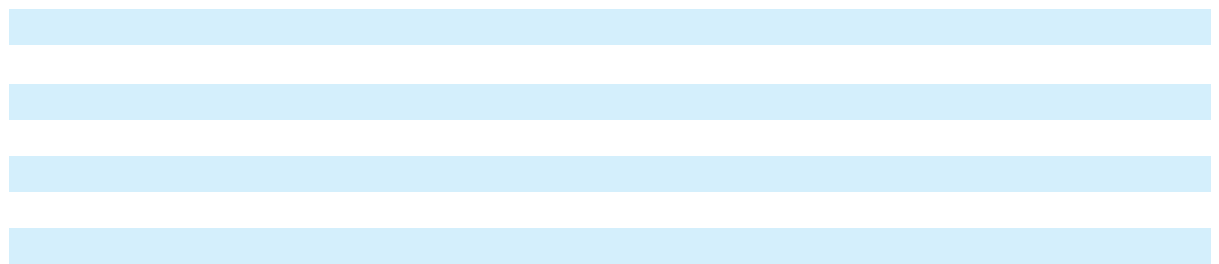


INDOOR USE ONLY



Multiple Output Models

** MODEL NUMBER	OUTPUT (VDC)	* MAX CURRENT (MA)	CASE SIZE	N.A. PLUG	N.A. DESKTOP	EURO. DESKTOP
GT-85122RW-2	+5.0	500	EI-41	■		
	+12.0	100				
	-12.0	100				
GT-8512N-7	+5.0	500	E:120-79-75mm		■	
	+12.0	700				
GT-85122RW-1	+5.0	630	A:85-68-56mm	■		
	+12.0	100				
	-12.0	100				
GT-85128-1	+5.0	700	F:95-72-57.5mm		■	
	+12.0	500				
GT-85128UP	+5.0	700	F:95-72-57.5mm			■
	+12.0	500				
GT-85122RW	+5.0	800	A:85-68-56mm	■		
	+12.0	100				
	-12.0	100				
GT-85129-3	+5.0	900	C:120-76-65mm	■		
	+12.0	300				
	-12.0	100				
GT-85129C	+5.0	1000	C/D:120-76-65mm		■	
	+12.0	500				
GT-85129UPX	+5.0	1000	D:120-76-65mm			■
	+12.0	500				
GT-85129-2	+5.0	1000	C/D:120-76-65mm		■	
	+12.0	200				
	-12.0	200				
GT-85129UP	+5.0	1000	D:120-76-65mm			■
	+12.0	200				
	- 2.0	200				
GT-85129-1	+5.0	1000	C/D:120-76-65mm		■	
	+12.0	250				
	-12.0	250				
GT-85124	+5.0	1200	C/D:120-76-65mm			■
	+12.0	200				
	-12.0	200				



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



AC Output, Wall Plug-In and DeskTop, Outdoor Use

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



General Specifications:

Input Voltage/ Frequency:

120VAC+/-10%/ 60Hz for N.A. Types

Input Voltage/Frequency:

230VAC+/-10%/50Hz for Euro. Types

240VAC+/-10%/50Hz for Australia Types

Output Voltage Tolerance:

+/-5% at full load

Protection:

Primary Thermal Fuse

Configuration:

Step Down AC/AC Transformer

N.A./Euro./Australia (SAA) Type Wall Plug-in or Desk-Top Dual

Cord In/ Out

Operating Temperature:

0° to 40°C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70°C

Dielectric Strength:

N.A. Models:

1500VAC pri-sec;

1500VAC pri-ground/ 500VAC sec-ground (option)

Euro./Australia Models:

2500VAC pri-sec;

2500VAC pri-ground/ 500VAC sec-ground (option)

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:

Output: Standard 6 ft. multi-conductor, 24-18AWG;

Input: 2 or 3 conductor, 18AWG SPT-1 Input (Desktopt only).

For other output cords, please refer to Output Plug/Cord options.

Safety/EMI:

N.A. Models:

UL1310, UL1838 UL1012/FCC Class B, E2268 43

Euro./Australia Models:

TUV/GS to EN60950; AS/NZS 3108/CE Compliant

Notes:

1) For unit size and output cords please refer to Adaptors Case Style and Adaptors Output Plug/Cord Options

2) For Input Blade Options please refer to International-Adaptor Input Blade Options

Unit Size Codes:

Input Blade Style:

A: N.A.; E: Euro.; S: Australia

Output Power (w):

06W through 200W

P: Wall Plug Case; L: Dual Cord (Tabletop) Case

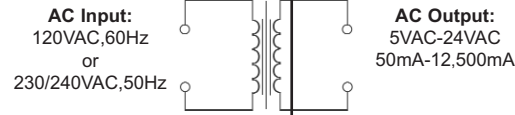
Options:

1) Primary Earth ground PIN and secondary/shield ground.

2) Custom output cords, connectors and shielding arrangements.

3) Other outputs or custom design per customer specifications

Schematic Diagram:



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	N.A. DESKTOP	EURO. WALL PLUG	EURO. DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-DE-06-3.5WP(L)	3.5	1710	E06WP(L)		■	■	■	
GT-DE-10.5-3.5WP(L)	3.5	3000	E10.5WP(L)		■	■	■	
GT-DE-21-3.5WP(L)	3.5	6000	E21WP(L)		■	■		
GT-DE-06-06WP(L)	6.0	1000	E06WP(L)		■	■	■	
GT-DE-10.5-06WP(L)	6.0	1750	E10.5WP(L)		■	■	■	
GT-DE-22-06WP(L)	6.0	3670	E21WP(L)				■	■
GT-DE(S)-30-06WL	6.0	5000	E(S)30WL			■	■	■
GT-DE(S)-36-06WL	6.0	6000	E(S)36WL			■	■	■
GT-DE(S)-45-06WL	6.0	7500	E(S)45WL			■	■	■
GT-DE(S)-60-06WL	6.0	10000	E(S)60WL			■	■	■
GT-DE(S)-06-7.5WL	7.5	800	E06WP(L)		■	■	■	
GT-DE-10.5-7.5WP(L)	7.5	1400	E10.5WP(L)		■	■	■	
GT-DE-22-7.5WP(L)	7.5	2930	E21WP(L)				■	■
GT-DE(S)-30-7.5WL	7.5	4000	E(S)30WL			■	■	■
GT-DE(S)-36-7.5WL	7.5	4800	E(S)36WL			■	■	■
GT-DE(S)-45-7.5WL	7.5	6000	E(S)45WL			■	■	■
GT-DE(S)-60-7.5WL	7.5	8000	E(S)60WL			■	■	■
GT-DE-06-09WP(L)	9.0	670	E(S)06WL		■	■	■	

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



AC Output, Wall Plug-In and DeskTop, Outdoor Use

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	N.A. DESKTOP	EURO. WALL PLUG	EURO. DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-DE-10.5-09WP(L)	9.0	1170	E10.5WP(L)		■	■	■	
GT-DE-21-09WP(L)	9.0	2330	E21WP(L)				■	■
GT-DE(S)-30-09WL	9.0	3330	E(S)30WL			■	■	■
GT-DE(S)-36-09L	9.0	4000	E(S)36WL			■	■	■
GT-DE(S)-45-09L	9.0	5000	E(S)45WL			■	■	■
GT-DE(S)-60-09L	9.0	6670	E(S)60WL			■	■	
GT-DE-06-12WP(L)	12.0	500	E06WP(L)		■	■	■	
GT-DE-10-12WL	12.0	830	E10WL			■	■	
GT-DE-10.5-12WP(L)	12.0	880	E10.5WP(L)		■	■		
GT-DA-12-12WL	12.0	1000	A12WL	■				
GT-DE-21-12WP(L)	12.0	1750	E21WP(L)		■	■		
GT-DA-22-12WL	12.0	1830	A22WL	■				
GT-DA(E,S)-30-12WL	12.0	2500	A(E,S)30WL	■		■	■	■
GT-DA(E,S)-36-12WL	12.0	3000	A(E,S)36WL	■		■	■	■
GT-DE(S)-45-12WL	12.0	3750	E(S)45WL			■	■	■
GT-DA(E,S)-60-12WL	12.0	5000	A(E,S)60WL	■		■	■	■
GT-DA-100-12WL	12.0	8330	A100WL	■				
GT-DE(S)-105-12WL	12.0	8750	E(S)105WL			■	■	■
GT-DE-120-12WL	12.0	10000	E120WL			■		
GT-DA(E,S)-150-12WL	12.0	12500	A(E,S)150WL	■		■	■	■
GT-DE(B)-180-12WL	12.0	15000	E180WL			■	■	
GT-DE(B)-200-12WL	12.0	16670	E200WL			■	■	
GT-DE-06-15WP(L)	15.0	400	E06WP(L)		■	■	■	
GT-DE-10.5-15WP(L)	15.0	700	E10.5WP(L)		■	■	■	
GT-DE-21-15WP(L)	15.0	1400	E21WP(L)		■	■		
GT-DE(S)-30-15WL	15.0	2000	E(S)30WL			■	■	■
GT-DE(S)-36-15WL	15.0	2400	E(S)36WL			■	■	■
GT-DE(S)-45-15WL	15.0	3000	E(S)45WL			■	■	■
GT-DE(S)-60-15WL	15.0	4000	E(S)60WL			■	■	■
GT-DE-06-18P(L)	18.0	330	E0 6WP(L)		■	■	■	
GT-DE-10.5-18P(L)	18.0	580	E10.5WP(L)		■	■	■	
GT-DE-21-18P(L)	18.0	1170	E21WP(L)		■	■		
GT-DE(S)-30-18L	18.0	1670	E(S)30WL			■	■	■
GT-DE(S)-36-18L	18.0	2000	E(S)36WL			■	■	■
GT-DE(S)-45-18L	18.0	2500	E(S)45WL			■	■	■
GT-DE(S)-60-18L	18.0	3330	E(S)60WL			■	■	■
GT-DE-06-20WP(L)	20.0	300	E06WP(L)		■	■	■	
GT-DE-10.5-20WP(L)	20.0	530	E10.5WP(L)		■	■	■	
GT-DE-21-20WP(L)	20.0	1050	E21WP(L)		■	■		
GT-DE(S)-30-20WL	20.0	1500	E(S)30WL			■	■	■
GT-DE(S)-36-20WL	20.0	1800	E(S)36WL			■	■	■
GT-DE(S)-45-20WL	20.0	2250	E(S)45WL			■	■	■

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



AC Output, Wall Plug-In and DeskTop, Outdoor Use

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



** MODEL NUMBER	OUTPUT (VAC)	* MAX CURRENT (MA)	CASE SIZE	N.A. DESKTOP	EURO. WALL PLUG	EURO. DESKTOP	U.K. DESKTOP	SAA DESKTOP
GT-DE(S)-60-20WL	20.0	3000	E(S)60WL			■	■	■
GT-DE-06-22WP(L)	22.0	270	E06WP(L)		■	■	■	
GT-DE-10.5-22WP(L)	22.0	470	E10.5WP(L)		■	■	■	
GT-DE-21-22WP(L)	22.0	950	E21WP(L)			■	■	■
GT-DE(S)-30-22WL	22.0	1360	E(S)30WL			■	■	■
GT-DE(S)-36-22WL	22.0	1640	E(S)36WL			■	■	■
GT-DE(S)-45-22WL	22.0	2050	E(S)45WL			■	■	■
GT-DE(S)-60-22WL	22.0	2730	E(S)60WL			■	■	■
GT-DE-06-24WP(L)	24.0	250	E06WP(L)		■	■	■	
GT-DE-10.5-24WP(L)	24.0	440	E10.5WP(L)		■	■	■	
GT-DE-21-24WP(L)	24.0	870	E21WP(L)		■	■		
GT-DE(S)-30-24WL	24.0	1250	E(S)30WL			■	■	■
GT-DE(S)-36-24WL	24.0	1500	E(S)36WL			■	■	■
GT-DE(S)-45-24WL	24.0	1880	E(S)45WL			■	■	■
GT-DA(E,S)-60-24WL	24.0	2500	A(E,S)60WL	■		■		■
GT-DA-100-24WL	24.0	4170	A100WL	■				
GT-DE(S)-105-24WL	24.0	4380	E(S)105WL			■	■	■
GT-DA(E,S)-150-24WL	24.0	6250	A(E,S)150WL	■		■	■	■
GT-DE(B)-180-24WL	24.0	7500	E180WL			■	■	
GT-DE(B)-200-24WL	24.0	8340	E200WL			■	■	
GT-DE(B)-180-36WL	36.0	5000	E180WL			■	■	
GT-DE(B)-200-36WL	36.0	5660	E200WL			■	■	



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



Wall Plug-In and Desktop Battery Chargers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



General Specifications:

Input Voltage/Frequency:

- 120VAC+/-10%/60Hz for N.A. Types
- 100VAC+/-10%/50-60Hz for Japan Types
- 230VAC+/-10%/50Hz for Euro. Types
- 240VAC+/-10%/50Hz for U.K. Types

Charger Method:

Current Limiting Resistance

Battery Type:

Lead-Acid; Ni-Cd; Ni-MH; Polymer Li-Ion

Direct Plug-In Battery Size:

AAA; AA; C; D

Charger Interconnect:

Alligator Clips; Cigarette Lighter

Standard Charge:

14 Hours at C/10

Protection:

Primary Thermal Fuse; Short Circuit and
Overload Protection /Inherently LPS

Configuration:

Step Down Line Transformer with Rectifier-Capacitor Filter
DC Power Source with Series Current Limiting Resistor.

Operating Temperature:

0° to 40° C

Humidity:

0%-90% R.H., non-condensing

Storage Temperature:

-20° to 70° C

Dielectric Strength:

N.A./Japan Models:

1500VAC pri-sec/ pri-ground

Euro./U.K. Models:

2500VAC pri-sec/ pri-ground

Enclosure:

Black Polycarbonate, UL94V-0

Cooling:

Thermal Convection, no-vents

Cords:

Output: Standard 6 ft. 2 conductor, 24-16AWG;
Input: 2 or 3 conductor, 18AWG SPT-1 Input Desk-Top (DeskTop only)
For other Output Cords, please refer to Output Plug/Cord options

Safety/EMI:

N.A./Japan Models:

UL1310, CSA22.2, FCC Class B

Euro./U.K. Models:

TUV/GS EN60950, CE Compliant

Toy Transformer:

UL697, CSA 22.2 No.173

Notes:

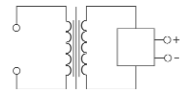
- 1) For unit size and output cords please refer to Adaptors Case Style Spec and Adaptors output Plug/Cord Options
- 2) For Input Blade Options please refer to International-Adaptor Input Blade Options
- *3) Within each Model, Charge Current may vary from 50mA to Max. Load specified in 50mA increments; Factory adjust.
- **4) Option for specifying Open-Circuit Max. Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.
- 5) All Models listed in the AC/DC Adaptors U.S. and Euro. Rating Tables have the provision to be converted into Battery Charger by adding the Suffix "BC" to Part No.
- 6) For Battery and Battery Pack Selection please refer to: Ni-Cd, Ni-MH and Polymer Li-Ion Batteries and Battery Packs GlobTek Catalog (Gray) and Product Data Sheets

Options:

- 1) Primary Earth ground PIN and secondary/shield ground.
- 2) Custom output cords, connectors and shielding arrangements.
- 3) Other outputs or custom design per customer specifications

Schematic Diagram:

AC Input:
100-120VAC, 50-60Hz
or
230/240VAC, 50Hz



AC Output:
1.2VDC-24VDC
30mA-5000mA

Direct Plug-In Battery Chargers: Ni-Cd and Ni-MH Battery

Note: Plug-In Chargers are ordered by Model Number, only

** BATTERY CHARGER MODEL NUMBER	MAX. NO. OF BATTERIES	NOMINAL VOLTAGE (V)	NOMINAL CAPACITY (MAH)	* STANDARD CHARGE (MA)	CHARGING TIME (HOURS)	OPEN CIRCUIT VOLTAGE (V)	DISCHARGE CUT-OFF VOLTAGE (V)	N.A. WALL PLUG	EU. WALL PLUG	U.K. WALL PLUG
GT-DBCA-4A	(4) AAA	1.2	300Ni-Cd 550Ni-MH	30Ni-Cd 55Ni-MH	1414	1.51.5	11	▪		
GT-DBCA-4AD	(4) AA	1.2	900Ni-Cd 1500Ni-MH	90Ni-Cd 150Ni-MH	1414	1.51.5	11	▪		
GT-DBCA-01A	(2) C	1.2	2500Ni-Cd	250Ni-Cd	1414	1.51.5	11	▪		
GT-DBCA-01AD	(1) D	1.2	4500Ni-Cd	450Ni-Cd	1414	1.51.5	11	▪		
GT-DBCE(B)-4A	(4) AAA	1.2	300Ni-Cd 550Ni-MH	30Ni-Cd 55Ni-MH	1414	1.51.5	11		▪	▪
GT-DBCE(B)-4AD	(4) AA	1.2	900Ni-Cd 1500Ni-MH	90Ni-Cd 150Ni-MH	1414	1.51.5	11		▪	▪

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



Wall Plug-In and Desktop Battery Chargers

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)



Battery Packs: Lead Acid, Ni-Cd and Ni-MH DeskTop Chargers

Note: Plug-In Chargers are ordered by Model Number, only

** BATTERY CHARGER MODEL NUMBER	BATTERY PACK NOMINAL VOLTAGE (V)	* MAX CHARGING CURRENT (MA)	NOMINAL CAPACITY (AH)	TERMINALS (+/-) CIGARETTE LIGHTER	TERMINALS (+/-) ALLIGATOR CLIPS	N.A. DESK-TOP	EURO. DESK-TOP	U.K. DESK-TOP	JAPAN DESK-TOP
GT-DBCA(E,B)-57-06600	6	600	5~9	■		■	■	■	
GT-DBCA(E,B)-57-06800	6	800	6~11	■		■	■	■	
GT-DBCA(E,B)-57-061000	6	1,000	8~14	■		■	■	■	
GT-DBCA(E,B)-57-12600	12	600	5~9	■		■	■	■	
GT-DBCA(E,B)-57-12800	12	800	6~11	■		■	■	■	
GT-DBCA(J)-66-121200	12	1,200	10~17	■	■	■			■
GT-DBCA(J)-66-121500	12	1,500	10~17	■	■	■			■
GT-DBCA(J)-66-121700	12	1,700	10~17	■	■	■			■
GT-DBCE-122A	12	2,000	24~38		■		■		
GT-DBCE-123A	12	3,000	24~38		■		■		
GT-DBCE-124A	12	4,000	38~50		■		■		
GT-DBCE-125A	12	5,000	50~75		■		■		
GT-DBCA(E,B)-57-24400	24	400	3~6	■		■	■	■	
GT-DBCA(E,B)-57-24500	24	500	4~7	■		■	■	■	
GT-DBCA(E,B)-57-24600	24	600	5~9	■		■	■	■	
GT-DBCA-66-24800	24	800	6~12		■	■			



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GT-2262(R)



Lithium-Ion Battery Charger, 4.2V, 700mA



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

+12VDC, +/-5%

INPUT CURRENT:

500mA MINIMUM

INPUT POWER:

6 WATTS MINIMUM

OUTPUT

CHARGING VOLTAGE:

4.2VDC, +/-1% MAXIMUM

PRE-CHARGE CURRENT:

70MA, +/-10%

BULK CHARGE CURRENT:

700MA +/-10%

OUTPUT POWER:

2.94 WATTS MAXIMUM

PRE-CHARGE TO BULK CHARGE BATTERY

TRANSITION VOLTAGE:

2.86VDC TO 3.15VDC, CHARGER WILL BE IN PRE-CHARGE MODE WHEN THE BATTERY VOLTAGE IS BELOW THE TRANSITION VOLTAGE.

BATTERY CHARGING AMBIENT TEMPERATURE:

0°C TO 35°C

CHARGE TERMINATION CURRENT:

70MA, +/-10%

BACK-UP CHARGE TERMINATION:

TIMER SET TO 3.5 HOURS, +/-20 MINUTES, CHARGER WILL TERMINATE CHARGING WHEN TIMER EXPIRED

BATTERY PROTECTION

OVER VOLTAGE PROTECTION:

4.6VDC - 5.0VDC. CHARGER WILL TERMINATE CHARGING WHEN OVER VOLTAGE OCCURS

SHORT CIRCUIT PROTECTION:

CHARGER WILL NOT COMMENCE CHARGING WHEN BAT+ AND BAT- ARE SHORTED

OVER TEMPERATURE PROTECTION:

CHARGER WILL TERMINATE CHARGING IF BATTERY TEMPERATURE REACHED 45°C±3°C. CHARGER WILL AUTORECOVER WHEN TEMPERATURE DROPS TO ABOUT 30°C±3°C.

CHARGE STATUS INDICATOR

DESCRIPTION	LED STATUS
PRE-CHARGE	SOLID YELLOW
BULK CHARGE	SOLID YELLOW
CHARGE COMPLETE	SOLID GREEN
STANDBY	BOTH LEDs OFF

REVERSE BATTERY PROTECTION:

BATTERY IS MECHANICALLY PROTECTED FROM BEING INSTALLED REVERSED

DEFECTIVE BATTERY PROTECTION:

IF BATTERY VOLTAGE WILL NOT RISE ABOVE THE PRE-CHARGE TO BULK CHARGE TRANSITION VOLTAGE (2.86VDC TO 3.15VDC) WITHIN 30 MINUTES FROM THE TIME PRE-CHARGING BEGINS, THE BATTERY IS CONSIDERED DEFECTIVE AND THE CHARGER WILL TERMINATE CHARGING.

***WHEN FAULT CONDITION OCCURS, THE BATTERY HAS TO BE REMOVED FROM THE BAY AND REINSTALLED AFTER AT LEAST 3 SECONDS TO RESET THE PROTECTION. CHARGING WILL COMMENCE AFTER BATTERY REINSTALLATION ONLY WHEN THE FAULT IS CLEARED.**

SAFETY APPROVALS (PENDING):

UL60950, EN60950-1:2006 INFORMATION TECHNOLOGY EQUIPMENT SAFETY, CB CERTIFICATION
EMC (PENDING): FCC PART 15 CLASS A, EN61000-6-4:2007, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-6-2

MTBF:

50,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 35°C

STORAGE TEMPERATURE:

-40°C TO 70°C

HUMIDITY:

5% TO 95% RELATIVE HUMIDITY

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

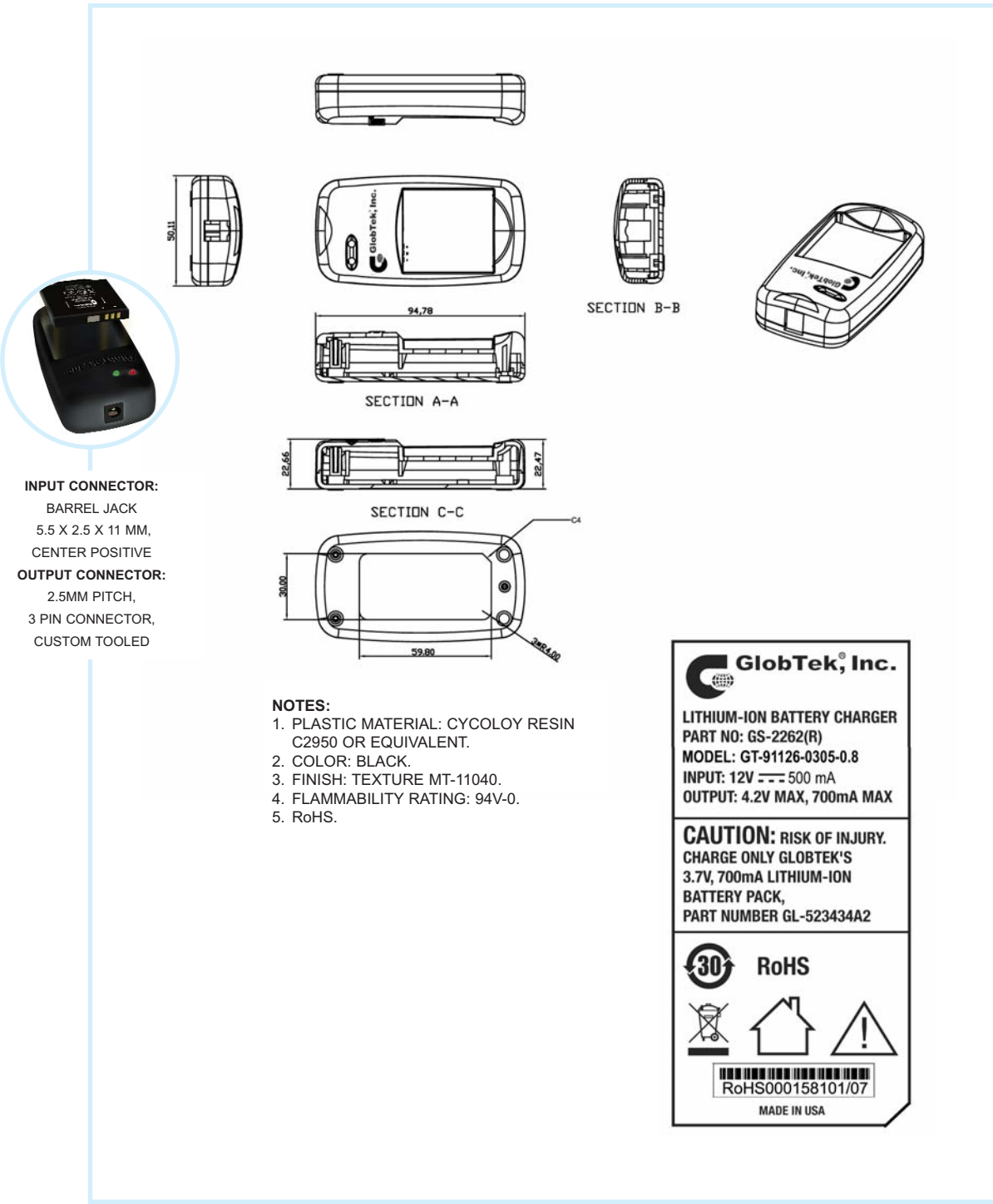
NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



Lithium-Ion Battery Charger, 4.2V, 700mA



GlobTek, Inc.

LITHIUM-ION BATTERY CHARGER
PART NO: GS-2262(R)
MODEL: GT-91126-0305-0.8
INPUT: 12V $\overline{\text{---}}$ 500 mA
OUTPUT: 4.2V MAX, 700mA MAX

CAUTION: RISK OF INJURY.
CHARGE ONLY GLOBTEK'S
3.7V, 700mA LITHIUM-ION
BATTERY PACK,
PART NUMBER GL-523434A2

30 RoHS

RoHS000158101/07
MADE IN USA

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

GTM91128LI1CEL



**Single Cell Lithium-Ion Battery Charger, for 1-3 Li-Ion Cells,
Universal Input, Class II, Medical/ITE, Desktop or Wall Plug-In**



ELECTRICAL SPECIFICATIONS:

- INPUT VOLTAGE:**
90-264 VAC
- INPUT CURRENT:**
< 1.5 AMP RMS MAX
- INPUT FREQUENCY:**
47-63Hz
- CHARGING VOLTAGE:**
SEE TABLE BELOW
- PRE-CHARGE CURRENT:**
100 mA, 10% OF BULK CHARGE CURRENT
- BULK CHARGE CURRENT:**
1000mA-1500mA, ±10% DEPENDING ON VOLTAGE
- OUTPUT POWER:**
12.6 WATTS MAXIMUM
- PRE-CHARGE TO BULK CHARGE BATTERY TRANSITION VOLTAGE:**
2.86VDC TO 3.15VDC/CELL
CHARGER WILL BE IN PRE-CHARGE MODE WHEN THE BATTERY VOLTAGE IS BELOW THE TRANSITION VOLTAGE.
- BATTERY CHARGING AMBIENT TEMPERATURE:**
0°C TO 35°C
- CHARGE TERMINATION CURRENT:**
10% OF BULK CHARGE CURRENT
- BACK-UP CHARGE TERMINATION:**
TIMER SET 2 TO 3 HOURS AFTER THE EXPECTED FULL CHARGE TIME. CHARGER WILL TERMINATE CHARGING WHEN TIMER EXPIRED
- BATTERY PROTECTION***
- OVER VOLTAGE PROTECTION:**
4.6VDC - 5.0VDC. CHARGER WILL TERMINATE CHARGING WHEN OVER VOLTAGE OCCURS
- SHORT CIRCUIT PROTECTION:**
CHARGER WILL NOT COMMENCE CHARGING WHEN BAT+ AND BAT- ARE SHORTED
- OVER TEMPERATURE PROTECTION:**
CHARGER WILL TERMINATE CHARGING IF BATTERY TEMPERATURE REACHED 45°C±3°C. CHARGER WILL AUTORECOVER WHEN TEMPERATURE DROPS TO ABOUT 30°C±3°C. FOR THIS FEATURE, 10Kohm THERMISTOR (NTC, 103AT) IS REQUIRED TO BE INSTALLED INSIDE THE BATTERY PACK. FOR BATTERY PACKS WITHOUT THE THERMISTOR, OVER TEMPERATURE PROTECTION FEATURE IS NOT AVAILABLE AND A 10K OHM RESISTOR IS INSTALLED INSIDE THE CHARGER TO BYPASS THE OVER TEMPERATURE PROTECTION CIRCUIT.

REVERSE BATTERY PROTECTION:

BATTERY SHOULD BE MECHANICALLY PROTECTED FROM BEING INSTALLED REVERSED

DEFECTIVE BATTERY PROTECTION:

IF BATTERY VOLTAGE WILL NOT RISE ABOVE THE PRE-CHARGE TO BULK CHARGE TRANSITION VOLTAGE (2.86VDC TO 3.15VDC) WITHIN 30 MINUTES FROM THE TIME PRE-CHARGING BEGINS, THE BATTERY IS CONSIDERED DEFECTIVE AND THE CHARGER WILL TERMINATE CHARGING.

*WHEN FAULT CONDITION OCCURS, THE BATTERY HAS TO BE REMOVED FROM THE CHARGER AND REINSTALLED AFTER AT LEAST 3 SECONDS TO RESET THE PROTECTION. CHARGING WILL COMMENCE AFTER BATTERY REINSTALLATION ONLY WHEN THE FAULT IS CLEARED.

LED CHARGE STATUS INDICATOR

PRE-CHARGE:

SOLID AMBER

BULK CHARGE:

SOLID AMBER

CHARGE COMPLETE:

SOLID GREEN

NO BATTERY OR FAULT:

GREEN AND AMBER LEDS OFF

SAFETY APPROVALS

UL60601-1 3RD EDITION, CUL TO 22.2 # 60601-1, EN60601-1, CB CERTIFICATION PENDING: UL60950, EN60950-1:2006,

EMC:

FCC PART 15 CLASS B, EN61000-6-4:2007, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-6-2

MTBF:

50,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 35°C

STORAGE TEMPERATURE:

-40°C TO 70°C

HUMIDITY:

5% TO 95% RELATIVE HUMIDITY

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

OUTPUT VOLTAGE / CURRENT:

MODEL NUMBER	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	RATED OUTPUT POWER (W)
GTM91128LI1CEL	+4.2	1500mA MAX	0 - 6.3
GTM91128LI2CEL	+8.4	1000mA MAX	0 - 8.4
GTM91128LI3CEL	+12.6	1000mA MAX	0 - 12.6

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



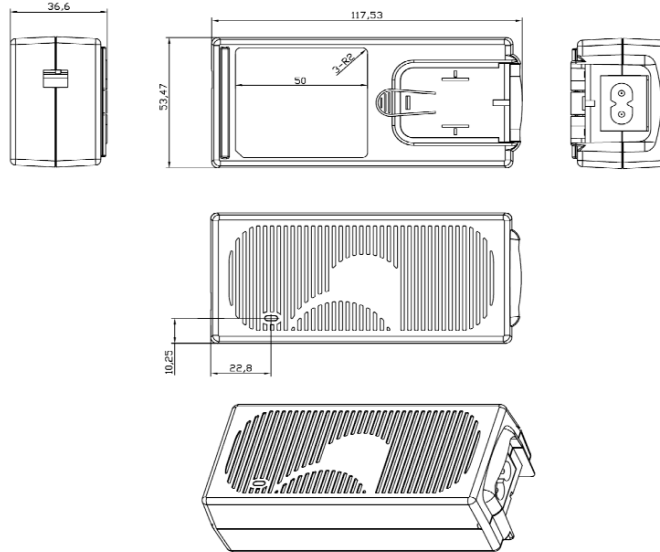
Single Cell Lithium-Ion Battery Charger, for 1-3 Li-Ion Cells, Universal Input, Class II, Medical/ITE, Desktop or Wall Plug-In

ENCLOSURE:

MATERIAL 94V-0 POLYCARBONATE
 COLOR: BLACK, DIMENSIONS: 53.47 x 117.53 x 36.6mm +/- 1.0, SYMBOLS CAN BE EITHER PAD PRINTED OR MOLDED IN THE CASE

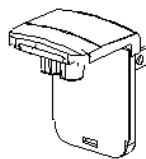


SHIPS WITHOUT AC PINS INSTALLED

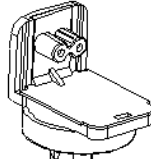


OUTPUT CORD AND CONNECTOR:

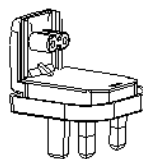
- CONNECTOR:
- CABLE TYPE: 2C+SHIELD, ROUND UL2464
- CABLE LENGTH: 1830MM + 150 - 0
- WIRE GAUGE (AWG): 2X20AWG
- HANK DIMENSION: 80 ± 10MM
- CABLE / CONNECTOR OVERMOLD COLOR: BLACK
- FERRITE TYPE / DIMENSION: 14.2 X 28.5 X 8.2 MM
- FERRITE # OF TURNS: 2
- FERRITE DIMENSION FROM STRAIN RELIEF: 50 ± 10
- FERRITE DIMENSION FROM PLUG: N/A
- PLUG TYPE: 3 PIN 'FX9'
- OVER MOLD ORIENTATION: N/A
- PLUG DIMENSIONS: N/A
- BARREL PLUG INTERNAL SPRING CLIP: N/A
- BARREL PLUG LOCKING NOTCH: N/A
- POLARITY: SEE TABLE
- STRIP LENGTH: N/A
- TIN LENGTH: N/A



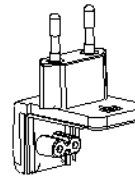
P/N: R-NA-2(R)
 NORTH AMERICA
 CHINA
 JAPAN



P/N: R-SAA-2(R)
 AUSTRALIA



P/N: R-UK-2(R)
 UNITED KINGDOM
 HONG KONG
 SINGAPORE



P/N: R-EU-2(R)
 EUROPE
 SOUTH AMERICA

PIN ASSIGNMENT

PIN 1	BAT (+)	20AWG
PIN 2	NTC 10Kohm	SHIELD
PIN 3	BAT (-)	20AWG

STOCK MATING JACKS

F3J(R)	Through Hole PCB mount
F3J-P(R)	Panel mount
FEJ-SMT(R)	SMT PCB mount



PENDING

PENDING

INPUT CONNECTORS:

STANDARD BLACK COLOR
 COOL GRAY PANTONE # 11C (OPTIONAL) ADD -GY TO THE END OF THE P/N

AC INPUT - INTERCHANGEABLE BLADES		AC INPUT KIT OPTIONS
INTERCHANGEABLE BLADES OR KITS MUST BE ORDERED SEPARATELY		R-KIT-2
1	CLASS II MODEL NEMA 1-15P: AC POWER PLUG WITH 2 PRONGS, R-NA-2(R)	X
2	AUSTRALIAN CONFIGURATION: 2 PINS CLASS II, R-SAA-2(R)	X
3	UK CONFIGURATION: UK 2 PINS CLASS II, R-UK-2(R)	X
4	EUROPEAN CONFIGURATION: 2 PINS, CLASS II, R-EU-2(R)	X





ISO 9001:2008
REGISTERED

GS-2066(R)



5 Bay Lithium-Ion Battery Charger



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

+12VDC, +/-5%

INPUT CURRENT:

5.0A MAXIMUM

INPUT POWER:

60W MAXIMUM

OUTPUT (PER BAY)

CHARGING VOLTAGE:

4.2VDC, +/-1%

PRE-CHARGE CURRENT:

75MA, +/-10%

BULK CHARGE CURRENT:

750MA +/-10%

OUTPUT POWER:

3.15WATTS PER BAY, 15.75 WATTS TOTAL FOR ALL 5 BAYS

PRE-CHARGE TO BULK CHARGE BATTERY

TRANSITION VOLTAGE:

2.86VDC TO 3.15VDC

CHARGER WILL BE IN PRE-CHARGE MODE WHEN THE BATTERY VOLTAGE IS BELOW THE TRANSITION VOLTAGE. THIS MODE IS INDICATED BY FLASHING YELLOW LED. CHARGER WILL AUTOMATICALLY GO INTO BULK CHARGE MODE WHEN THE BATTERY VOLTAGE EXCEEDS THE TRANSITION VOLTAGE. THIS MODE WILL BE INDICATED BY SOLID YELLOW LED.

BATTERY CHARGING AMBIENT TEMPERATURE:

0°C TO 40°C

CHARGE TERMINATION CURRENT:

750MA, +/-10%

BACK-UP CHARGE TERMINATION*:

TIMER SET TO 4 HOURS, +/-10%
CHARGER WILL TERMINATE CHARGING AND TURN THE LED TO RED WHEN THE 4 HOUR TIMER EXPIRED

BATTERY PROTECTION* (PER BAY)

OVER VOLTAGE PROTECTION:

4.62VDC TO 5.0VDC. CHARGER WILL TERMINATE CHARGING AND TURN THE LED TO RED WHEN OVER VOLTAGE OCCURS

UNDER VOLTAGE PROTECTION:

1.9VDC TO 2.1VDC. CHARGER WILL NOT COMMENCE CHARGING AND TURN THE LED TO RED WHEN BATTERY VOLTAGE IS BELOW THE UNDER VOLTAGE PROTECTION VOLTAGE

SHORT CIRCUIT PROTECTION:

CHARGER WILL NOT COMMENCE CHARGING WHEN BAT+ AND BAT- ARE SHORTED AND TURN THE LED TO RED

OVER TEMPERATURE PROTECTION:

TEMPERATURE DATA TO BE PROVIDED BY BQ27000 FUEL GAUGE CHIP INSIDE THE BATTERY PACK (TEMP REGISTER 0X07-0X06).

60°C±5°C, CHARGER WILL TERMINATE THE CHARGING AND LED WILL TURN SOLID RED.

50°C±5°C, CHARGER WILL SUSPEND CHARGING AND

WAIT UNTIL BATTERY TEMPERATURE DROPS TO 48°C±3°C AND THEN AUTO RECOVER. CHARGE SUSPEND MODE IS INDICATED BY FLASHING RED LED.

REVERSE BATTERY PROTECTION:

BATTERY IS MECHANICALLY PROTECTED FROM BEING INSTALLED REVERSED

BATTERY IDENTIFICATION RESISTOR:

423 TO 517 OHMS, 470 OHMS TYPICAL. CHARGER WILL NOT START CHARGING AND TURNS LED TO RED WHEN ID RESISTOR IS OUTSIDE THE ALLOWED RANGE INCLUDING OPEN AND SHORTED ID RESISTOR

DEFECTIVE BATTERY PROTECTION:

IF BATTERY VOLTAGE WILL NOT RISE ABOVE THE PRE-CHARGE TO BULK CHARGE TRANSITION VOLTAGE (2.86VDC TO 3.15VDC) WITHIN 30 MINUTES FROM THE TIME PRE-CHARGING BEGINS, THE BATTERY IS CONSIDERED DEFECTIVE AND THE CHARGER WILL TERMINATE AND TURN THE LED TO RED.

*WHEN FAULT CONDITION OCCURS, THE BATTERY HAS TO BE REMOVED FROM THE BAY AND REINSTALLED AFTER AT LEAST 3 SECONDS TO RESET THE PROTECTION. CHARGING WILL COMMENCE AFTER BATTERY REINSTALLATION ONLY WHEN THE FAULT IS CLEARED.

SAFETY APPROVALS:

UL60950, EN60950-1:2006 INFORMATION TECHNOLOGY EQUIPMENT SAFETY, CB CERTIFICATION

EMC:

FCC PART 15 CLASS A, EN61000-6-4:2007, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-6-2

MTBF:

50,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

0°C TO 40°C

STORAGE TEMPERATURE:

-40°C TO 70°C

HUMIDITY:

5% TO 95% RELATIVE HUMIDITY

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

NOTES:

DIMENSIONS ARE IN MM UNLESS SPECIFIED OTHERWISE

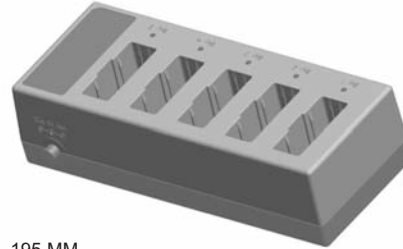
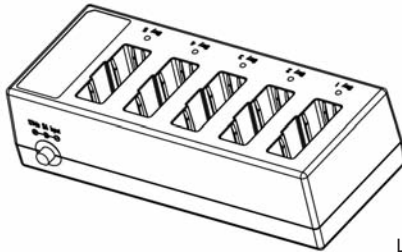
CHARGE STATUS INDICATOR

DESCRIPTION	LED STATUS
SELF TEST DURING POWER UP	RED FOR 1 SEC AND GREEN FOR 1 SEC
PRE-CHARGE	FLASHING YELLOW
BULK CHARGE	SOLID YELLOW
CHARGE COMPLETE	SOLID GREEN
CHARGING TEMPERATURE OUTSIDE RANGE	FLASHING RED. CHARGER WILL AUTO RECOVER WHEN TEMPERATURE DROPS WITHIN RANGE
FAULT	SOLID RED
STANDBY	OFF

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



5 Bay Lithium-Ion Battery Charger



LENGTH: 195 MM
WIDTH: 80 MM
HEIGHT: 43 MM

NOTES:

1. PLASTIC MATERIAL: CYCOLOY RESIN C2950 OR EQUIVALENT.
2. COLOR: BLACK.
3. FINISH: TEXTURE MT-11040.
4. 94V-0 FLAMMABILITY RATING.
5. RoHS.

INPUT CONNECTOR:

RIGHT ANGLE
MINIATURE POWER JACK,
SWITCHCRAFT P/N: L712A OR
EQUIVALENT.

OUTPUT CONNECTOR:

2.5MM PITCH,
4 PIN CONNECTOR,
CUSTOM TOOLED



44.3^{+0.2}

GlobTek, Inc.
Battery Charging System

SYSTEM MODEL (型号): GS-2066-CC(R)
 INPUT (输入): 100-204Vac 50/60Hz 1.5A
 OUTPUT (输出): 4.2V \pm 0.75A Per Bay
 OUTPUT POWER (输出功率): 3.15W Per Bay, 15.75W Total Power

CAUTION - Risk of Injury.
 Charge only up to five 3.6 V, maximum 2000 mAh
 Lithium type rechargeable batteries
 See instruction manual for detachable power supply cord

CRADLE MODEL (充电器): GS-2066-CC
 INPUT (输入): 12V \pm 5A
 OUTPUT (输出): 4.2V \pm 0.75A Per Bay
 OUTPUT POWER (输出功率): 3.15W Per Bay, 15.75W Total Power
 For use with GLOBTEK INC adapter,
 model GT-81081-6012-T3 only

79.15^{+0.2}

C4

MADE IN CHINA 中国制造



ISO 9001:2008
REGISTERED



5 Bay Lithium-Ion Battery Charger, 12.6V@2.5A, per Bay



ELECTRICAL SPECIFICATIONS:

INPUT VOLTAGE:

+24VDC, +/-5%

INPUT CURRENT:

6.25A

INPUT POWER:

150W

OUTPUT (PER BAY)

CHARGING VOLTAGE:

12.6VDC, +/-1% MAXIMUM

PRE-CHARGE CURRENT:

250MA, +/-20%

BULK CHARGE CURRENT:

2.5A +/-10% MAXIMUM

OUTPUT POWER:

31.5WATTS PER BAY, 150 WATTS TOTAL FOR ALL 5 BAYS

CHARGE TERMINATION CURRENT:

250MA, +/-20%

BATTERY CONDITIONING:

IF BATTERY VOLTAGE IS BETWEEN 8V TO 9V, THE CHARGER WILL START IN PRECHARGE MODE TO SAFELY REVIVE A FULLY DISCHARGED BATTERY. WHEN THE BATTERY VOLTAGE EXCEEDS 9.1V, BULK CHARGING WILL BEGIN AUTOMATICALLY. PRECHARGING IS INDICATED BY FLASHING AMBER LED.

BATTERY PROTECTION* (PER BAY)

BATTERY CHARGING AMBIENT TEMPERATURE:

5°C TO 45°C. CHARGER WILL SUSPEND CHARGING WHEN BATTERY TEMPERATURE REACHES 50°C +/-3°C. IT WILL AUTO RECOVER WHEN IT DROPS BELOW 48°C +/-3°C.

LED WILL FLASH RED WHILE IN SUSPEND MODE.

CHARGER WILL TERMINATE CHARGING AND GO INTO TO FAULT MODE WHEN BATTERY TEMPERATURE REACHES 0°C OR 60°C +/-3°C. FAULT MODE IS INDICATED BY RED LED.

BACK-UP TIMER_1 CHARGE TERMINATION:

BACK-UP TIMER_1 IS SET TO 3 HOURS AND 30 MINUTES, +/-10 MINUTES. CHARGER WILL GO INTO FAULT MODE WHEN TIMER EXPIRES. FAULT MODE IS INDICATED BY RED LED.

BACK-UP TIMER_2 CHARGE TERMINATION:

BACK-UP TIMER_2 IS SET TO 4 HOURS AND 22 MINUTES, +/-10 MINUTES. CHARGER WILL GO INTO FAULT MODE WHEN TIMER EXPIRES. FAULT MODE IS INDICATED BY RED LED.

WRONG ID BATTERY PROTECTION:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN THE ID RESISTOR VALUE INSIDE THE BATTERY PACK IS WRONG. CORRECT ID RESISTOR VALUE IS 470 OHMS +/-5%. FAULT MODE IS INDICATED BY RED LED.

SMBUS INTERFACE ERROR PROTECTION:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN ERROR IN THE SMBUS IS DETECTED. FAULT MODE IS INDICATED BY RED LED.

OPEN BATTERY VOLTAGE PROTECTION:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN BATTERY VOLTAGE V_BAT+ IS NOT DETECTED. FAULT MODE IS INDICATED BY RED LED. WHEN CHARGING ALREADY STARTED AND OPEN V_BAT+ VOLTAGE IS DETECTED, CHARGE IS TERMINATED AND FAULT MODE IS INDICATED BY LED OFF.

SHORTED BATTERY VOLTAGE PROTECTION:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN BATTERY VOLTAGE V_BAT+ IS SHORTED TO GROUND. FAULT MODE IS INDICATED BY RED LED.

LOW BATTERY VOLTAGE PROTECTION:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN BATTERY VOLTAGE V_BAT+ IS BELOW 8V +/-10%. FAULT MODE IS INDICATED BY RED LED.

BATTERY OVER VOLTAGE PROTECTION 1:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN BATTERY VOLTAGE V_BAT+ IS ABOVE 13.1V +/-10%. FAULT MODE IS INDICATED BY RED LED.

BATTERY OVER VOLTAGE PROTECTION 2:

CHARGER WILL NOT START OR WILL TERMINATE CHARGING AND GO INTO FAULT MODE WHEN BATTERY VOLTAGE V_BAT+ IS ABOVE 13.4V +/-10%. FAULT MODE IS INDICATED BY RED LED.

REVERSE BATTERY PROTECTION:

BATTERY IS MECHANICALLY PROTECTED FROM BEING INSTALLED REVERSED INTO THE BAY.

DEFECTIVE BATTERY PROTECTION:

IF BATTERY VOLTAGE OF A FULLY DISCHARGED BATTERY WILL NOT RISE ABOVE 9V +/-10% WITHIN 25 MINUTES +/-5 MINUTES FROM THE TIME PRECHARGING BEGIN, THE BATTERY IS CONSIDERED DEFECTIVE AND THE CHARGER WILL GO INTO FAULT MODE. FAULT MODE IS INDICATED BY RED LED.

BAY 5 DYNAMIC CHARGING:

BULK CHARGING RATE FOR BAYS 1 TO 4 IS 2.5A +/-10%. FOR BAY 5, IT IS DYNAMIC AND CAN BE FROM 1A TO 2.5A +/-10%, DEPENDING ON THE CURRENT CHARGING RATE OF OTHER BATTERIES IN OTHER BAYS. THIS WAS IMPLEMENTED TO PREVENT THE CHARGER FROM EXCEEDING THE MAXIMUM POWER OF THE EXTERNAL POWER SUPPLY.

APPROVALS:

SAFETY (PENDING):

UL60601-1 3RD EDITION MEDICAL EQUIPMENT SAFETY.
CB CERTIFICATION BY SIQ TO 60601-1 3RD EDITION

EMC(PENDING):

FCC PART 15 CLASS A, EN61000-6-4;2007, EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-6-2

MTBF:

50,000 HOURS AT 25°C AMBIENT TEMPERATURE

OPERATING TEMPERATURE:

5°C TO 55°C

STORAGE TEMPERATURE:

-40°C TO 70°C

HUMIDITY:

5% TO 95% RELATIVE HUMIDITY

ROHS:

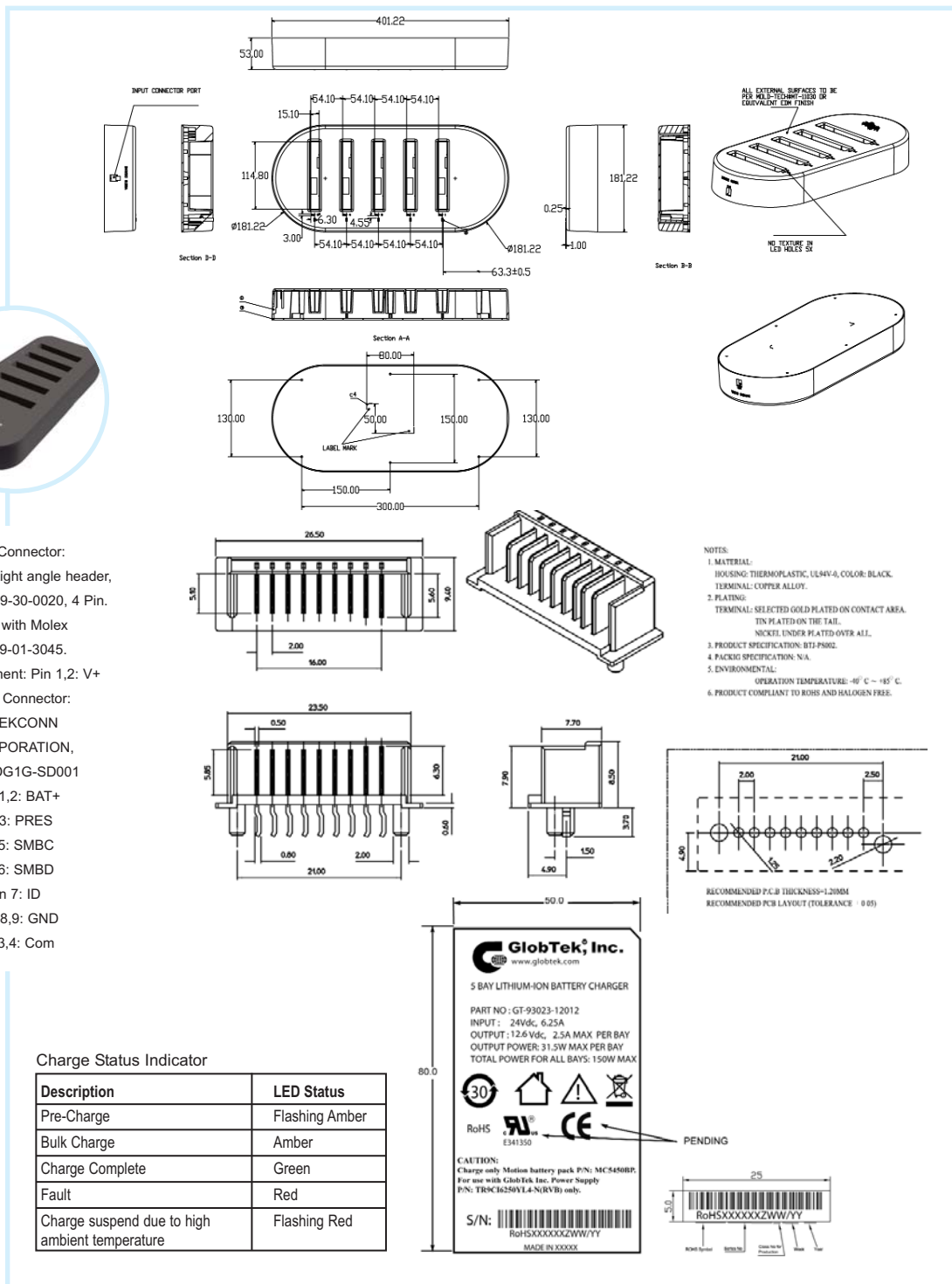
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

*WHEN FAULT CONDITION OCCURS, THE BATTERY THAT TRIGGERED THE FAULT MUST BE REMOVED FROM THE BAY AND REINSTALLED AFTER 3 SECONDS TO RESET THE PROTECTION. CHARGING WILL COMMENCE AFTER BATTERY REINSTALLATION ONLY WHEN THE FAULT IS CLEARED.


5 Bay Lithium-Ion Battery Charger, 12.6V@2.5A, per Bay
MECHANICAL ENCLOSURE

All dimensions are in millimeters unless otherwise specified. Length: 401.22 mm, Width: 181.22 mm, Height: 53.00 mm

Notes: 1. Plastic material: PC/ABS C2950. 2. Color: Black. 3. Finish: texture MT-11030. 4. 94V-0 Flammability Rating. 5. RoHS.



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**Li-Ion Cylindrical Battery Pack With
On-Board Fuel Gauge and Charger**



GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT AND PLASTIC HOUSING

CELL:
PANASONIC NCR18650A

PCM:
GLOBTEK STANDARD

NTC:
N/A

ID:
N/A

FUEL GAUGE:
BQ20Z70

CONFIGURATION:
1S1P-10S1P

WEIGHT:
TBA

ELECTRICAL SPECIFICATION:

RATED CAPACITY:
≥3100mAh@ 0.2C

NOMINAL VOLTAGE:
SEE TABLE

WATT-HOUR RATING:
SEE TABLE

CHARGING METHOD:
0.2C CC CHARGE TO 16.8V, THEN CV CHARGE TILL CHARGE
CURRENT DECLINE TO ≤0.02C.

MAX. CHARGE VOLTAGE [V]:
PACK DEPENDANT (±50MV)

CHARGE CURRENT:
1.0C MAX

REC. CHARGE CUT OFF:
BY CURRENT 50mA OR TIMER 4H

MAX. CONTINUOUS DISCHARGE CURRENT:
3.5A

REC. DISCHARGE CUT OFF:
11.0 -12.0V

INTERNAL IMPEDANCE:
≤320mΩ

EXP. CYCLE LIFE:
>300 CYCLES > 63% OF INITIAL CAP. (0.5C/0.5C)

CELL PROTECTION:
OVER CHARGE DETECTION: 4.3 ±0.02V/CELL
(2.0 SEC. DELAY, RESUME 4.1 ±0.03V)

OVER DISCHARGE DETECTION2:
.75 ±0.035V/CELL (2.0 SEC. DELAY, RESUME REMOVE LOAD
& CHARGING CURRENT

OVER CURRENT DETECTION4:

.0A TO 5.0 A (9.6 TO 14.4 MSEC. DELAY)

CHARGER SPECIFICATIONS:

CHARGE VOLTAGE & CURRENT:
PACK DEPENDANT

CHARGE TIME:
2.0 HOURS (REF.)

CHARGER INPUT:
PACK DEPENDANT

AMBIENT CONDITIONS

TEMPERATURE RANGE:
CHARGE: 0 TO +45°C

DISCHARGE:
-20 TO +60°C

CHARGE RETENTION/STORAGE [%]:
1 YEAR AT -20 TO +20°C >80%
3 MONTHS AT -20 TO +45°C >80%
1 MONTH AT -20 TO +60°C >80%

HUMIDITY:
65 ±20%RH

ENVIRONMENTAL AND SAFETY

PLEASE FOLLOW GLOBTEK, INC. HANDLING AND SAFETY
PRECAUTIONS FOR LIION & LIPOLYMER.

CELL REGULATORY APPROVALS:

UL:
CELL APPROVED TO UL 1642

BATTERY PACK APPROVALS:

RoHS:
COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

CE MARK:
COMPLIES WITH 2004/108/EC ELECTROMAGNETIC COMPATI-
BILITY INCLUDING BUT NOT LIMITED TO EN61000-6-1:2007,
EN61000-6-3:2007

TRANSPORTATION:
PACK DESIGNED TO MEET un38.3, IEC 62281

SAFETY:
DESIGNED TO MEET UL 2054, IEC61960:2003, IEC 62133

OUTPUT VOLTAGE / CURRENT:

PART NUMBER	CONFIGURATION	INPUT VOLTAGE (VIN)	RATED VOLTAGE (VO)	RATED CAPACITY (mAh)	WATT-HOUR (WH)
BL3100C1865001S1PGQA	1S1P	4.2	3.7	3100	11.47
BL3100C1865002S1PGQA	2S1P	8.4	7.4	3100	22.94
BL3100C1865003S1PGQA	3S1P	12.6	11.1	3100	34.41
BL3100C1865004S1PGQA	4S1P	16.8	14.4	3100	44.64
BL3100C1865005S1PGQA	5S1P	21	18.5	3100	57.35
BL3100C1865006S1PGQA	6S1P	24.9	22.2	3100	68.82
BL3100C1865007S1PGQA	7S1P	29.0	25.9	3100	80.29
BL3100C1865008S1PGQA	8S1P	33.2	29.6	3100	91.76
BL3100C1865009S1PGQA	9S1P	37.3	33.3	3100	103.23
BL3100C186500AS1PGQA	10S1P	41.4	37	3100	114.7

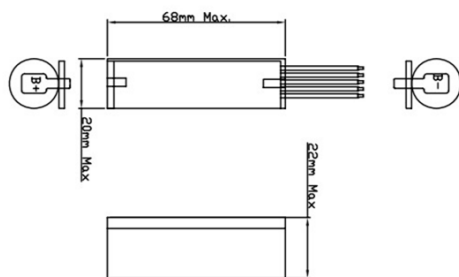
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



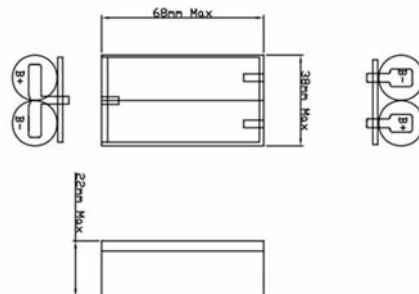
Li-Ion Cylindrical Battery Pack With On-Board Fuel Gauge and Charger

MECHANICAL:

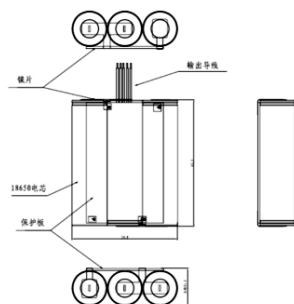
DIMENSIONS: 65.0mm x 74.0 mm x 24.0 mm (±1mm)
SHRINK WRAP: BLUE PVC



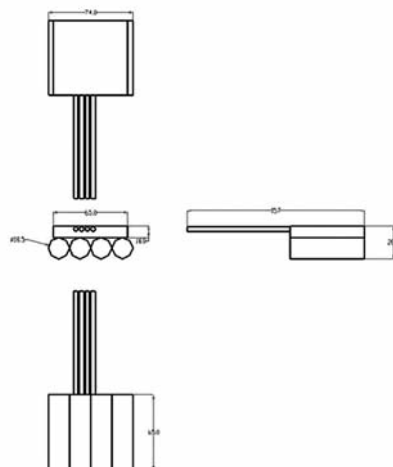
BL3100C1865001S1PGQA



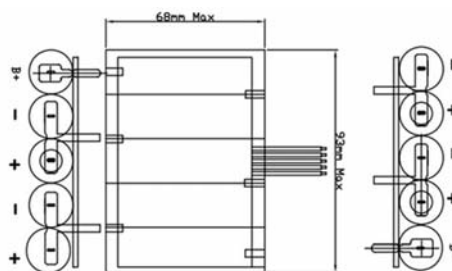
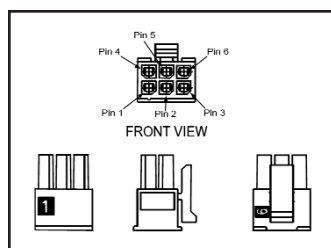
BL3100C1865002S1PGQA



BL3100C1865003S1PGQA



BL3100C1865004S1PGQA



BL3100C1865005S1PGQA

- WIRE LENGTH:
90mm ± 3.0 mm
- P1 WIRE POLARITY:
RED = INPUT
- P2 WIRE POLARITY:
BLACK NEGATIVE (-)
- P3 WIRE POLARITY:
SMBC
- P4 WIRE POLARITY:
SMBC
- P5 WIRE POLARITY:
SYS PRES
- P6 WIRE POLARITY:
NO CONNECTION
- CONNECTOR TYPE:
N/A
- STRIP LENGTH:
CUT BLUNT
- TIN LENGTH:
N/A
- ADDITIONAL
REQUIREMENTS:
N/A





ISO 9001:2008
REGISTERED

BL3100C1865004S1PSQA



**Li-Ion Cylindrical Battery Pack with
Built-In Fuel Gauge**



GENERAL SPECIFICATION:

BATTERY WITH SAFETY CIRCUIT

CELL:

PANASONIC NCR18650A

PCM:

GLOBTEK STANDARD

NTC:

N/A

ID:

N/A

FUEL GAUGE:

BQ20Z70, DATA ACCESSIBLE THROUGH SMBUS

CONFIGURATION:

4S1P

WEIGHT:

7.2 Oz.

ELECTRICAL SPECIFICATION:

RATED CAPACITY:

≥3100mAh@ 0.2C

NOMINAL VOLTAGE:

14.4V

WATT-HOUR RATING:

44.64Wh

CHARGING METHOD:

0.2C CC CHARGE TO 16.8V, THEN CV CHARGE TILL CHARGE CURRENT DECLINE TO ≤0.02C.

MAX. CHARGE VOLTAGE [V]:

16.8 (±50mV)

CHARGE CURRENT:

1.0A MAX

REC. CHARGE CUT OFF:

BY CURRENT 50mA OR TIMER 4H

MAX. CONTINUOUS DISCHARGE CURRENT:

3.5A

REC. DISCHARGE CUT OFF:

11.0 -12.0V

INTERNAL IMPEDANCE:

≤320mΩ

EXP. CYCLE LIFE:

>300 CYCLES > 63% OF INITIAL CAP. (0.5C/0.5C)

CELL PROTECTION:

OVER CHARGE DETECTION: 4.3 ±0.02V/CELL
(2.0 SEC. DELAY, RESUME 4.1 ±0.03V)

OVER DISCHARGE DETECTION2:

2.75 ±0.035V/CELL (2.0 SEC. DELAY, RESUME REMOVE

LOAD & CHARGING CURRENT

OVER CURRENT DETECTION4:

4.0A TO 5.0 A (9.6 TO 14.4 mSEC. DELAY)

AMBIENT CONDITIONS

TEMPERATURE RANGE:

CHARGE: 0 TO +45°C

DISCHARGE:

-20 TO +60°C

CHARGE RETENTION/STORAGE [%]:

1 YEAR AT -20 TO +20°C >80%

3 MONTHS AT -20 TO +45°C >80%

1 MONTH AT -20 TO +60°C >80%

HUMIDITY:

65 ±20%RH

ENVIRONMENTAL AND SAFETY

PLEASE REFER TO GLOBTEK, INC. HANDLING AND SAFETY PRECAUTIONS FOR LIION & LIPOLYMER.

CELL REGULATORY APPROVALS:

UL:

CELL APPROVED TO UL 1642

BATTERY PACK APPROVALS:

RoHS:

COMPLIES WITH EU 2002/95/EC AND CHINA SJ/T 11363-2006

CE MARK:

COMPLIES WITH 2004/108/EC ELECTROMAGNETIC COMPATIBILITY INCLUDING BUT NOT LIMITED TO EN61000-6-1:2007, EN61000-6-3:2007

TRANSPORTATION:

PACK DESIGNED TO MEET UN38.3

OUTPUT VOLTAGE / CURRENT:

PART NUMBER	CONFIGURATION	RATED VOLTAGE (VO)	RATED CAPACITY (mAh)	WATT-HOUR (WH)
BL3100C1865004S1PSQA	4S1P	14.4	3100	44.64

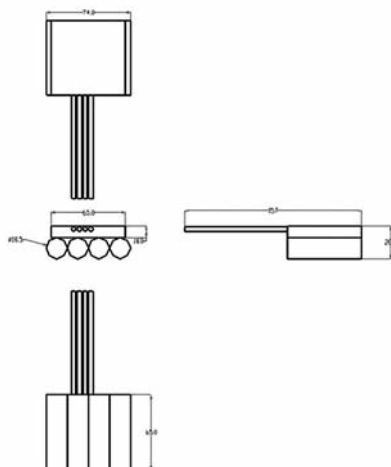
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



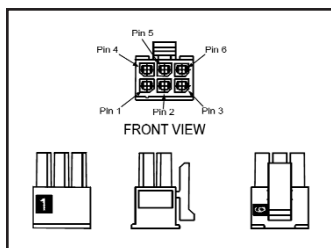
*Li-Ion Cylindrical Battery Pack with
Built-In Fuel Gauge*

MECHANICAL:

DIMENSIONS: 65.0mm x 74.0 mm x 24 .0 mm (±1mm)
SHRINK WRAP: BLACK PVC



BL3100C1865004S1PSQA



- WIRE TYPE:
UL3293
- WIRE LENGTH:
90mm ± 3.0 mm
- P1 WIRE POLARITY:
RED = INPUT
- P2 WIRE POLARITY:
BLACK NEGATIVE (-)
- P3 WIRE POLARITY:
YELLOW = SMBC
- P4 WIRE POLARITY:
WHITE = SMBC
- P5 WIRE POLARITY:
GREEN = SYS PRES
- P6 WIRE POLARITY:
NO CONNECTION
- CONNECTOR TYPE:
N/A
- STRIP LENGTH:
CUT BLUNT
- TIN LENGTH:
N/A
- ADDITIONAL
REQUIREMENTS:
N/A

GlobTek, Inc.
BL3100C1865004S1PSQA
Output 14.4V, 3100mAh, 44.64Wh

CAUTION:

- May explode if disposed of in fire.
- Use specified charger only.
- Do not short circuit.

MADE IN CHINA 2312





ISO 9001:2008
REGISTERED



PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

General Specifications:

Input Voltage/Frequency:

Single Primary:

120VAC/60Hz for N.A. Models
230VAC/50Hz for Euro. Models

Dual Primary:

120/240VAC, 50-60Hz Models
* For 115VAC, 115/230VAC, add an X after Model No.

Output Voltage Tolerance:

+/-5% at full load

Protection (Optional Built-In):

- .) Thermal Cut-Off or Resettable Thermal
- .) Slow-Blow Fuse
- .) Transient Surge Suppressor, MOV

Configuration:

Step Down AC/AC Power Transformer, EI Lamination

Insulation Systems, UL recognized:

130°C, Class B Standard,
Class A, F, H, S: Optional

Operating Temperature:

0°C-40°C, Standard

Temperature Rise:

45°C typ. at full load

Humidity:

0%-95% R.H., non-condensing

Dielectric Strength:

2500VAC pri-sec/ pri-core

Mechanical:

Mounting Frame:

- .) Channel-Frame Options: TCH01/02/03/04
- .) Open-Frame Options: TCH05/06/07/08

Terminals & Connectors:

- .) Strip & Tin; Lug; Spade; Faston
- .) Connectors: Plug-In; Screw Mount

For Mechanical Details, please see: Transformer Brackets and Output Terminals/Connectors Options

Safety:

UL Standards:

UL506, UL1411, UL1585

CSA Standards:

C22.2 NO.66, 827B

VDE Standards:

0550, 0551

DIN Standards:

EN60742, EN61558

Options:

- 1) Primary/Secondary Shield ground/ Faraday Shield
- 2) Custom Output terminations, connectors and shielding arrangements
- 3) Other outputs or custom design per customer specifications

Model Number Code:

1) GT-E: Internal Code

P,U,T,L:

P: PCB Mount; **U:** Low Profile PCB Mount
T: Quick Connect; **L:** Lead Wire

01 through 100: Output Power (VA)

-1,2,3:

-1: Single Pri 120VAC; **-2:** Dual Pri 120/240VAC

-3: Single Pri 240VAC

-010 through -240: Dual Sec in Series Output Voltage 10VAC through 240VAC

-510 through -620: Center Tap Sec Output Voltage 10VAC through 120VAC

or

2) GT-SUC: Internal Code, Dual Pri 115/230VAC

-010 through -036: Dual Sec in 10VAC through 36VAC

025 through 156: Dual Sec in Series Output Current 0.25ARMS through 1.56ARMS

or

3) GT-D: Internal Code

A,E,042:

A: Single Pri 120VAC; **E:** Single Pri 230VAC

042: Dual Pri 120/240VAC

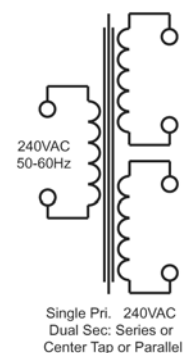
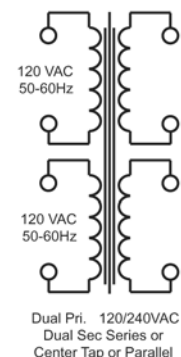
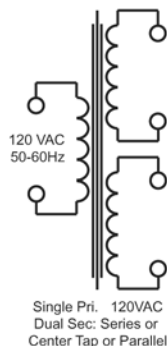
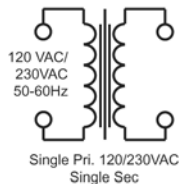
-06 through -180: Output Power (VA)

-06 through -24: Single Sec Output Voltage 6VAC through 24VAC

Notes:

- 1) For Transformer Size, please refer to Mechanical Outline Drawings
- 2) Optional for specifying Output Voltage Deviation from Standard Model add Suffix -x.x to Model No.

Schematic Diagrams:

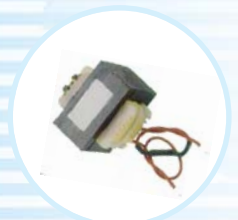
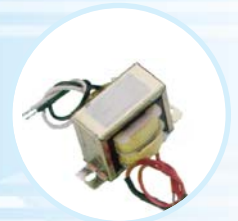


*Note: For 115VAC Single Pri, 115/230VAC Dual Pri; add an X after Model No.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

**PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MODEL NUMBER	OUTPUT (VAC)	CURRENT (A)	UNIT SIZE (MM) (LxWxH)	SINGLE PRI N.A.	SINGLE PRI EURO.	DUAL PRI	SINGLE SEC	DUAL SEC	CENTER TAP	PCB MOUNT	PCB MOUNT (LOW PROFILE)	QUICK TERM.	LEAD WIRE
GT-EP01-1(2)-010	(2)5V/(1)10V	0.22A/0.11A	35-29-24	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9010025	(2)5V/(1)10V	0.50A/0.25A	41-33-29	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU02-2-010	(2)5V/(1)10V	0.50A/0.25A	38-48-16	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9010050	(2)5V/(1)10V	1.0A/0.5A	41-33-35	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP06-1(2)-010	(2)5V/(1)10V	1.20A/0.60A	42-34-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU06-2-010	(2)5V/(1)10V	1.20A/0.60A	38-48-21	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9010100	(2)5V/(1)10V	2.0A/1.0A	48-40-35	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP12-1(2)-010	(2)5V/(1)10V	2.40A/1.20A	48-40-37	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU12-2-010	(2)5V/(1)10V	2.40A/1.20A	51-64-27	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9010200	(2)5V/(1)10V	4.0A/2.0A	57-48-41	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9010300	(2)5V/(1)10V	6.0A/3.0A	67-56-40	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9010560	(2)5V/(1)10V	11.2A/5.6A	76-64-46	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE(042)-06-06	6.0	1.0	45-41-18	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-10-06	6.0	1.6	45-41-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-20-06	6.0	3.3	52-48-40	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-36-06	6.0	6.0	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-45-06	6.0	7.5	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-60-06	6.0	10.0	66-65-55	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP01-1(2)-012	(2)6.3V/(1)12.6V	0.18A/0.09A	35-29-24	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9012020	(2)6.3V/(1)12.6V	0.40A/0.20A	41-33-29	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU02-2-012	(2)6.3V/(1)12.6V	0.40A/0.20A	38-48-16	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9012040	(2)6.3V/(1)12.6V	0.8A/0.4A	41-33-35	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP06-1(2)-012	(2)6.3V/(1)12.6V	1.00A/0.50A	42-34-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU06-2-012	(2)6.3V/(1)12.6V	0.90A/0.45A	38-48-21	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9012080	(2)6.3V/(1)12.6V	1.6A/0.8A	48-40-35	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP12-1(2)-012	(2)6.3V/(1)12.6V	2.0A/1.0A	48-40-37	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU12-2-012	(2)6.3V/(1)12.6V	1.80A/0.90A	51-64-27	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9012160	(2)6.3V/(1)12.6V	3.20A/1.60A	57-48-41	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9012240	(2)6.3V/(1)12.6V	4.8A/2.4A	67-56-40	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9012440	(2)6.3V/(1)12.6V	8.8A/4.4A	76-64-46	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-D042-7.2-6.6	6.6	1.1	48-40-16	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-06-7.5	7.5	0.8	45-41-18	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-10-7.5	7.5	1.3	45-41-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-20-7.5	7.5	2.6	52-48-40	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-36-7.5	7.5	4.8	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-45-7.5	7.5	6.0	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-60-7.5	7.5	8.0	66-65-55	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP01-1(2)-016	(2)8V/(1)16V	0.14A/0.07A	35-29-24	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-9016015	(2)8V/(1)16V	0.30A/0.15A	41-33-29	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU02-2-016	(2)8V/(1)16V	0.30A/0.15A	38-48-16	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪





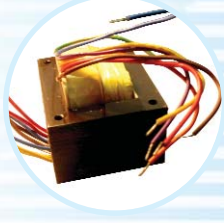
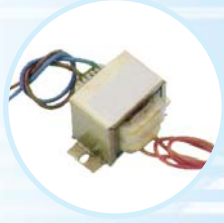
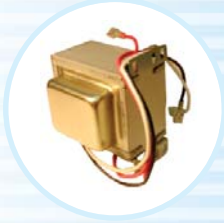
ISO 9001:2008
REGISTERED



PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire

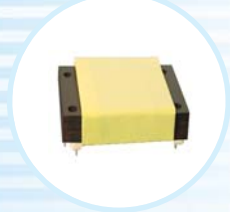
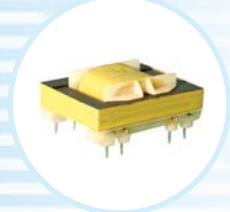
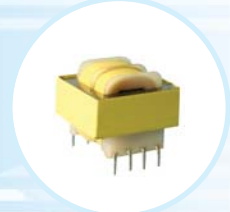
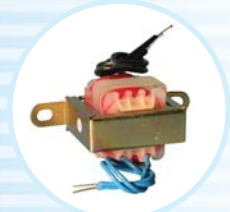
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MODEL NUMBER	OUTPUT (VAC)	CURRENT (A)	UNITSIZE (MM) (LxWxH)	SINGLE PRI N.A.	SINGLE PRI EURO.	DUAL PRI	SINGLE SEC	DUAL SEC	CENTER TAP	PCB MOUNT	PCB MOUNT (LOW PROFILE)	QUICK TERM.	LEAD WIRE
GT-9016031	(2)8V/(1)16V	0.62A/0.31A	41-33-35			▪		▪		▪			
GT-EP06-1(2)-016	(2)8V/(1)16V	0.80A/0.40A	42-34-34	▪		▪		▪		▪			
GT-EU06-2-016	(2)8V/(1)16V	0.70A/0.35A	38-48-21			▪		▪			▪		
GT-9016062	(2)8V/(1)16V	1.25A/0.62A	48-40-35			▪		▪		▪			
GT-EP12-1(2)-016	(2)8V/(1)16V	1.6A/0.8A	48-40-37	▪		▪		▪		▪			
GT-EU12-2-016	(2)8V/(1)16V	1.4A/0.7A	51-64-27			▪		▪			▪		
GT9016125	(2)8V/(1)16V	2.5A/1.25A	57-48-41			▪		▪		▪			
GT-9016190	(2)8V/(1)16V	3.8A/1.9A	67-56-40			▪		▪		▪			
GT-9016350	(2)8V/(1)16V	7.0A/3.5A	76-64-46			▪		▪		▪			
GT-D042-04-8.4	8.4	0.48	41-38-17			▪	▪						▪
GT-DE-06-09	9.0	0.67	45-41-18		▪		▪						▪
GT-DE-10-09	9.0	1.1	45-41-34		▪		▪						▪
GT-DE-20-09	9.0	2.2	52-48-40		▪		▪						▪
GT-DE-36-09	9.0	4.0	57-55-48		▪		▪						▪
GT-DE-45-09	9.0	5.0	57-55-48		▪		▪						▪
GT-DE-60-09	9.0	6.6	66-65-55		▪		▪						▪
GT-DE-105-09	9.0	11.6	86-72-62		▪		▪						▪
GT-EP01-1(2)-020	(2)10V/(1)20V	0.11A/0.055A	35-29-24	▪		▪		▪		▪			
GT-9020012	(2)10V/(1)20V	0.24A/0.12A	41-33-29			▪		▪		▪			
GT-EU02-2-020	(2)10V/(1)20V	0.25A/0.125A	38-48-16			▪		▪			▪		
GT-9020025	(2)10V/(1)20V	0.5A/0.25A	41-33-35			▪		▪		▪			
GT-EP06-1(2)-020	(2)10V/(1)20V	0.60A/0.30A	42-34-34	▪		▪		▪		▪			
GT-EU06-2-020	(2)10V/(1)20V	0.60A/0.30A	38-48-21			▪		▪			▪		
GT-ET06-1(2,3)-510	10VCT	0.6	43-33-35	▪	▪	▪			▪			▪	
GT-9020050	(2)10V/(1)20V	1.0A/0.5A	48-40-35			▪		▪		▪			
GT-EP12-1(2)-020	(2)10V/(1)20V	1.2A/0.6A	48-40-37	▪		▪		▪		▪			
GT-EU12-2-020	(2)10V/(1)20V	1.2A/0.6A	51-64-27			▪		▪			▪		
GT-ET(L)12-1(2,3)-510	10VCT	1.2	50-39-42	▪	▪	▪			▪			▪	▪
GT-9020100	(2)10V/(1)20V	2.0A/1.0A	57-48-41			▪		▪		▪			
GT-9020150	(2)10V/(1)20V	3.0A/1.5A	67-56-40			▪		▪		▪			
GT-ET(L)30-1(2,3)-510	10VCT	3.0	59-45-49	▪	▪	▪			▪			▪	▪
GT-9020280	(2)10V/(1)20V	5.6A/2.8A	76-64-46			▪		▪		▪			
GT-ET(L)56-1(2,3)-510	10VCT	5.6	69-48-57	▪	▪	▪			▪			▪	▪
GT-ET(L)100-1(2,3)-510	10VCT	10.0	78-57-65	▪	▪	▪			▪			▪	▪
GT-EP01-1(2)-024	(2)12V/(1)24V	0.09A/0.045A	39-29-24	▪		▪		▪		▪			
GT-9024010	(2)12V/(1)24V	0.2A/0.1A	41-33-29			▪		▪		▪			
GT-EU02-2-024	(2)12V/(1)24V	0.20A/0.10A	38-48-16			▪		▪			▪		
GT-9024021	(2)12V/(1)24V	0.42A/0.21A	41-33-35			▪		▪		▪			
GT-EP06-1(2)-024	(2)12V/(1)24V	0.50A/0.25A	42-34-34	▪		▪		▪		▪			
GT-EU06-2-024	(2)12V/(1)24V	0.50A/0.25A	38-48-21			▪		▪			▪		



**PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MODEL NUMBER	OUTPUT (VAC)	CURRENT (A)	UNITSIZE (MM) (LxWxH)	SINGLE PRI N.A.	SINGLE PRI EURO.	DUAL PRI	SINGLE SEC	DUAL SEC	CENTER TAP	PCB MOUNT	PCB MOUNT (LOW PROFILE)	QUICK TERM.	LEAD WIRE
GT-DE-06-12	12.0	0.5	45-41-18	▪			▪						▪
GT-DA(E)-10-12	12.0	0.83	45-41-34	▪	▪		▪						▪
GT-9024042	(2)12V/(1)24V	0.84A/0.42A	48-40-35			▪		▪		▪			
GT-EP12-1(2)-024	(2)12V/(1)24V	1.0A/0.5A	48-40-37	▪		▪		▪		▪			
GT-EU12-2-024	(2)12V/(1)24V	1.0A/0.5A	51-64-27			▪		▪			▪		
GT-DA(E)-20-12	12.0	1.6	52-48-40	▪		▪							▪
GT-9024083	(2)12V/(1)24V	1.66A/0.83A	57-48-41			▪		▪		▪			
GT-DA(E)-21-12	12.0	1.8	57-50-48	▪	▪		▪						▪
GT-9024125	(2)12V/(1)24V	2.5A/1.25A	67-56-40			▪		▪		▪			
GT-DA(E)-36-12	12.0	3.0	57-55-48	▪	▪		▪						▪
GT-DE-45-12	12.0	3.75	57-55-48			▪		▪					▪
GT-DA(E)-52-12	10V/12V	3.5A/4.0A	66-65-55	▪	▪			▪					▪
GT-9024233	(2)12V/(1)24V	4.66A/2.33A	76-64-46			▪		▪		▪			
GT-DA(E)-60-12	12.0	5.0	66-65-55	▪	▪		▪						▪
GT-DE-105-12	12.0	8.75	86-72-62			▪		▪					▪
GT-DE-120-12	12.0	10.0	86-72-62			▪		▪					▪
GT-DE-150-12	12.0	12.5	86-74-72			▪		▪					▪
GT-DE-180-12	12.0	15.0	96-86-73			▪		▪					▪
GT-ET06-1(2,3)-512	12.6	0.50	43-33-35	▪	▪	▪			▪			▪	
GT-ET(L)12-1(2,3)-512	12.6	1.0	50-39-42	▪	▪	▪			▪			▪	▪
GT-ET(L)30-1(2,3)-512	12.6	2.50	59-45-49	▪	▪	▪			▪			▪	▪
GT-ET(L)56-1(2,3)-512	12.6	4.45	69-48-57	▪	▪	▪			▪			▪	▪
GT-ET(L)100-1(2,3)-512	12.6	8.0	78-57-65	▪	▪	▪			▪			▪	▪
GT-EP01-1(2)-028	(2)14V/(1)28V	0.08A/0.04A	35-29-24			▪		▪		▪			
GT-9028009	(2)14V/(1)28V	0.18A/0.09A	41-33-29			▪		▪		▪			
GT-9028018	(2)14V/(1)28V	0.36A/0.18A	41-33-35			▪		▪		▪			
GT-EP06-1(2)-028	(2)14V/(1)28V	0.40A/0.20A	42-34-34	▪		▪		▪		▪			
GT-9028036	(2)14V/(1)28V	0.72A/0.36A	48-40-35			▪		▪		▪			
GT-EP12-1(2)-028	(2)14V/(1)28V	0.84A/0.42A	48-40-37	▪		▪		▪		▪			
GT-9028072	(2)14V/(1)28V	1.44A/0.72A	57-48-41			▪		▪		▪			
GT-9028106	(2)14V/(1)28V	2.21A/1.06A	67-56-40			▪		▪		▪			
GT-9028200	(2)14V/(1)28V	4.0A/2.0A	76-64-46			▪		▪		▪			
GT-EU02-2-030	(2)15V/(1)30V	0.17A/0.085A	38-48-16			▪		▪			▪		
GT-EU06-2-030	(2)15V/(1)30V	0.40A/0.20A	38-48-21			▪		▪			▪		
GT-DE-06-15	15.0	0.4	45-41-18			▪		▪					▪
GT-DE-10-15	15.0	0.67	45-41-34			▪		▪					▪
GT-EU12-2-030	(2)15V/(1)30V	0.80A/0.40A	51-64-27			▪		▪			▪		
GT-DE-20-15	15.0	1.3	52-48-40			▪		▪					▪
GT-DE-36-15	15.0	2.4	57-55-48			▪		▪					▪
GT-DE-45-15	15.0	3.0	57-55-48			▪		▪					▪





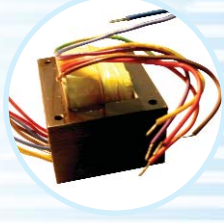
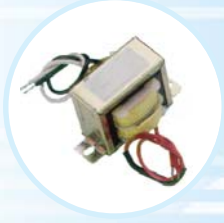
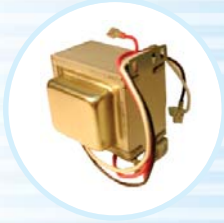
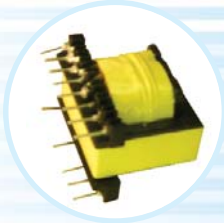
ISO 9001:2008
REGISTERED



PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire

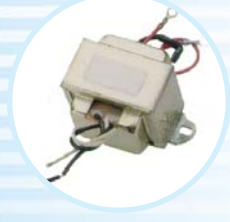
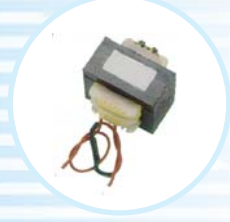
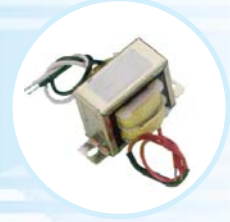
Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MODEL NUMBER	OUTPUT (VAC)	CURRENT (A)	UNITSIZE (MM) (LxWxH)	SINGLE PRI N.A.	SINGLE PRI EURO.	DUAL PRI	SINGLE SEC	DUAL SEC	CENTER TAP	PCB MOUNT	PCB MOUNT (LOW PROFILE)	QUICK TERM.	LEAD WIRE
GT-DE-60-15	15.0	4.0	66-65-55										
GT-DE-105-15	15.0	7.0	86-72-62										
GT-ET06-1(2,3)-516	16VCT	0.40	43-33-35										
GT-ET(L)12-1(2,3)-516	16VCT	0.80	50-39-42										
GT-ET(L)30-1(2,3)-516	16VCT	2.0	59-45-49										
GT-ET(L)56-1(2,3)-516	16VCT	3.5	69-48-57										
GT-ET(L)100-1(2,3)-516	16VCT	6.25	78-57-65										
GT-EU02-2-034	(2)17V/(1)34V	0.15A/0.075A	38-48-16										
GT-EU06-2-034	(2)17V/(1)34V	0.34A/0.17A	38-48-21										
GT-EU12-2-034	(2)17V/(1)34V	0.68A/0.34A	51-64-27										
GT-EP01-1(2)-036	(2)18V/(1)36V	0.06A/0.03A	35-29-24										
GT-9036014	(2)18V/(1)36V	0.14A/0.07A	41-33-29										
GT-DE-06-18	18.0	0.33	45-41-18										
GT-9036014	(2)18V/(1)36V	0.28A/0.14A	41-33-35										
GT-EP06-1(2)-036	(2)18V/(1)36V	0.34A/0.17A	42-34-34										
GT-DE-10-18	18.0	0.55	45-41-34										
GT-9036028	(2)18V/(1)36V	0.56A/0.28A	48-40-35										
GT-EP12-1(2)-036	(2)18V/(1)36V	0.70A/0.35A	48-40-37										
GT-9036056	(2)18V/(1)36V	1.12A/0.56A	57-48-41										
GT-DE-20-18	18.0	1.1	52-48-40										
GT-9036082	(2)18V/(1)36V	1.64A/0.82A	67-56-40										
GT-DE-36-18	18.0	2.0	57-55-48										
GT-DE-45-18	18.0	2.5	57-55-48										
GT-9036156	(2)18V/(1)36V	3.12A/1.56A	76-64-46										
GT-DE-60-18	18.0	3.3	66-65-55										
GT-DE-105-18	18.0	5.8	86-72-62										
GT-EU02-2-040	(2)20V/(1)40V	0.12A/0.06A	38-48-16										
GT-EU06-2-040	(2)20V/(1)40V	0.30A/0.15A	38-48-21										
GT-DE-06-20	20.0	0.30	45-41-18										
GT-ET06-1(2,3)-520	20VCT	0.30	43-33-35										
GT-DE-10-20	20.0	0.50	45-41-34										
GT-EU12-2-040	(2)20V/(1)40V	0.60A/0.30A	51-64-27										
GT-ET(L)12-1(2,3)-520	20VCT	0.60	50-39-42										
GT-DE-20-20	20.0	1.0	52-48-40										
GT-ET(L)30-1(2,3)-520	20VCT	1.50	59-45-49										
GT-DE-36-20	20.0	1.80	57-55-48										
GT-DE-45-20	20.0	2.25	57-55-48										
GT-ET(L)56-1(2,3)-520	20VCT	2.80	69-48-57										
GT-DE-60-20	20.0	3.0	66-65-55										
GT-ET(L)100-1(2,3)-520	20VCT	5.00	78-57-65										



**PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire**Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MODEL NUMBER	OUTPUT (VAC)	CURRENT (A)	UNITSIZE (MM) (LxWxH)	SINGLE PRI N.A.	SINGLE PRI EURO.	DUAL PRI	SINGLE SEC	DUAL SEC	CENTER TAP	PCB MOUNT	PCB MOUNT (LOW PROFILE)	QUICK TERM.	LEAD WIRE
GT-DE-105-20	20.0	5.25	86-72-62	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-06-22	22.0	0.27	45-41-18	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-10-22	22.0	0.45	45-41-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-20-22	22.0	0.90	52-48-40	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-36-22	22.0	1.60	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-45-22	22.0	2.0	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-60-22	22.0	2.7	66-65-55	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-105-22	22.0	4.77	86-72-62	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP01-1(2)-048	(2)24V/(1)48V	0.046A/0.023A	35-29-24	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP02-1(2)-048	(2)24V/(1)48V	0.10A/0.05A	35-29-30	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP06-1(2)-048	(2)24V/(1)48V	0.25A/0.125A	42-34-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET06-1(2,3)-524	24VCT	0.25	43-33-35	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-06-24	24.0	0.25	45-41-18	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DA(E)-10-24	24.0	0.4	45-41-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP12-1(2)-048	(2)24V/(1)48V	0.50A/0.25A	48-40-37	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)12-1(2,3)-524	24VCT	0.50	50-39-42	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP20-1(2)-048	(2)24V/(1)48V	0.80A/0.40A	58-48-37	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DA(E)-20-24	24.0	0.80	52-48-40	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)30-1(2,3)-524	24VCT	1.25	59-45-49	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DA(E)-36-24	24.0	1.50	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-45-24	24.0	1.80	57-55-48	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)56-1(2,3)-524	24VCT	2.40	69-48-57	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DA(E)-60-24	24.0	2.50	66-65-55	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)100-1(2,3)-524	24VCT	4.00	78-57-65	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-105-24	24.0	4.30	86-72-62	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-120-24	24.0	5.0	86-72-62	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-DE-150-24	24.0	6.25	86-74-72	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP01-1(2)-056	(2)28V/(1)56V	0.04A/0.02A	35-29-24	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP02-1(2)-056	(2)28V/(1)56V	0.09A/0.045A	35-29-30	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU02-2-056	(2)28V/(1)56V	0.09A/0.045A	38-48-16	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP06-1(2)-056	(2)28V/(1)56V	0.22A/0.11A	42-34-34	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU06-2-056	(2)28V/(1)56V	0.20A/0.10A	38-48-21	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET06-1(2,3)-528	28VCT	0.20	43-33-35	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP12-1(2)-056	(2)28V/(1)56V	0.44A/0.22A	48-40-37	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EU12-2-056	(2)28V/(1)56V	0.40A/0.20A	51-64-27	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)12-1(2,3)-528	28VCT	0.42	50-39-42	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-EP20-1(2)-056	(2)28V/(1)56V	0.70A/0.35A	58-48-37	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)30-1(2,3)-528	28VCT	1.10	59-45-49	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)56-1(2,3)-528	28VCT	2.00	69-48-57	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪
GT-ET(L)100-1(2,3)-528	28VCT	3.60	78-57-65	▪	▪	▪	▪	▪	▪	▪	▪	▪	▪





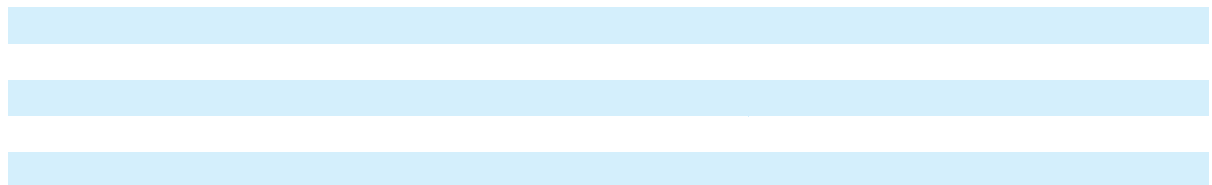
ISO 9001:2008
REGISTERED

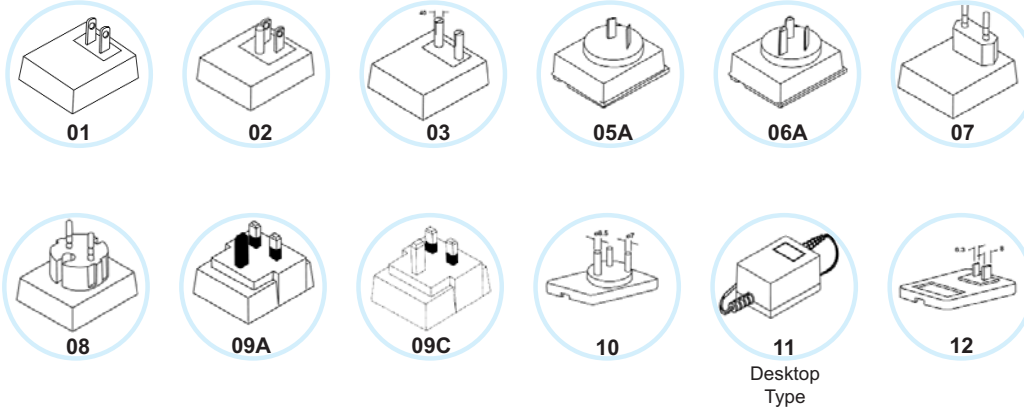


PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire

Part Number Ordering System (See Page 456)
Output Plug/Cord Options (See Page 425)

MODEL NUMBER	OUTPUT (VAC)	CURRENT (A)	UNITSIZE (MM) (LxWxH)	SINGLE PRI N.A.	SINGLE PRI EURO.	DUAL PRI	SINGLE SEC	DUAL SEC	CENTER TAP	PCB MOUNT	PCB MOUNT (LOW PROFILE)	QUICK TERM.	LEAD WIRE
GT-ET06-1(2,3)-536	36VCT	0.17	43-33-35	▪	▪	▪			▪			▪	
GT-ET(L)12-1(2,3)-536	36VCT	0.35	50-39-42	▪	▪	▪			▪			▪	▪
GT-ET(L)30-1(2,3)-536	36VCT	0.85	59-45-49	▪	▪	▪			▪			▪	▪
GT-ET(L)56-1(2,3)-536	36VCT	1.50	69-48-57	▪	▪	▪			▪			▪	▪
GT-ET(L)100-1(2,3)-536	36VCT	2.80	78-57-65	▪	▪	▪			▪			▪	▪
GT-EU02-2-088	(2)44V/(1)88V	0.056A/0.028A	38-48-16			▪	▪	▪			▪		
GT-EU06-2-088	(2)44V/(1)88V	0.13A/0.065A	38-48-21			▪	▪	▪			▪		
GT-EU12-2-088	(2)44V/(1)88V	0.26A/0.13A	51-64-27			▪	▪	▪			▪		
GT-ET06-1(2,3)-548	48VCT	0.125	43-33-35	▪	▪	▪			▪			▪	
GT-ET(L)12-1(2,3)-548	48VCT	0.25	50-39-42	▪	▪	▪			▪			▪	▪
GT-ET(L)30-1(2,3)-548	48VCT	0.63	59-45-49	▪	▪	▪			▪			▪	▪
GT-ET(L)56-1(2,3)-548	48VCT	1.20	69-48-57	▪	▪	▪			▪			▪	▪
GT-ET(L)100-1(2,3)-548	48VCT	2.00	78-57-65	▪	▪	▪			▪			▪	▪
GT-ET06-1(2,3)-556	56VCT	0.11	43-33-35	▪	▪	▪			▪			▪	
GT-ET(L)12-1(2,3)-556	56VCT	0.22	50-39-42	▪	▪	▪			▪			▪	
GT-ET(L)30-1(2,3)-556	56VCT	0.54	59-45-49	▪	▪	▪			▪			▪	▪
GT-ET(L)56-1(2,3)-556	56VCT	1.00	69-48-57	▪	▪	▪			▪			▪	▪
GT-ET(L)100-1(2,3)-556	56VCT	1.80	78-57-65	▪	▪	▪			▪			▪	▪
GT-EP01-1(2)-120	(2)60V/(1)120V	0.02A/0.01A	39-29-24	▪	▪	▪		▪		▪			
GT-EP02-1(2)-120	(2)60V/(1)120V	0.04A/0.02A	39-29-30	▪	▪	▪		▪		▪			
GT-EU02-2-120	(2)60V/(1)120V	0.04A/0.02A	38-48-16			▪	▪	▪			▪		
GT-EP06-1(2)-120	(2)60V/(1)120V	0.10A/0.05A	42-34-34	▪	▪	▪		▪		▪			
GT-EU06-2-120	(2)60V/(1)120V	0.10A/0.05A	38-48-21			▪	▪	▪			▪		
GT-EP12-1(2)-120	(2)60V/(1)120V	0.20A/0.10A	48-40-37	▪	▪	▪		▪		▪			
GT-EU12-2-120	(2)60V/(1)120V	0.20A/0.10A	51-64-27			▪	▪	▪			▪		
GT-EP20-1(2)-120	(2)60V/(1)120V	0.32A/0.16A	58-48-37	▪	▪	▪		▪		▪			
GT-EU02-2-240	(2)120V/(1)240V	0.02A/0.01A	38-48-16			▪	▪	▪			▪		
GT-EU06-2-240	(2)120V/(1)240V	0.05A/0.025A	38-48-21			▪	▪	▪			▪		
GT-ET06-1(2,3)-620	120VCT	0.05	43-33-35	▪	▪	▪			▪			▪	
GT-EU12-2-240	(2)120V/(1)240V	0.10A/0.05A	51-64-27			▪	▪	▪			▪		
GT-ET(L)12-1(2,3)-620	120VCT	0.10	50-39-42	▪	▪	▪			▪			▪	▪
GT-ET(L)30-1(2,3)-620	120VCT	0.25	59-45-49	▪	▪	▪			▪			▪	▪
GT-ET(L)56-1(2,3)-620	120VCT	0.50	69-48-57	▪	▪	▪			▪			▪	▪
GT-ET(L)100-1(2,3)-620	120VCT	0.85	78-57-65	▪	▪	▪			▪			▪	▪





COUNTRY	VOLTAGE	BLADE
Algeria	110/220	07/08
Argentina	220	05A/06A
Australia	240	05A/06A
Austria	220	07/08
Bangladesh	240	09/10
Belgium	220	07/08
Bolivia	115/230	07
Brazil	110/220	02/01/07
Bulgaria	220	07/08
Burma	220	09X/10
Canada	120	01/02
Chile	220	07
China	220	01/06A
Colombia	110/220	01
Costa Rica	110/220	01/02
Denmark	230	07
Dominican Republic	110	01
Egypt	220	07
Finland	230	07/08
France	230	07/08
Greece	127/220	07/08
Germany	230	07/08
Guatemala	110	01/02
Guinea	220	07/08
Holland	220	07/08
Honduras	110/220	01
Hong Kong	220	09X
Hungary	220	07/08
Iceland	220	07/08
India	220	10
Indonesia	220	07/08
Iraq	220	09/10

COUNTRY	VOLTAGE	BLADE
Israel	220	07
Iran	220	03/07
Italy	127/220	07
Japan	100	01
Korea	220	01/02/07
Kuwait	240	09X/10
Laos	110/220	01/02/07
Luxembourg	220	07/08
Malaysia	240	09X
Netherlands	220	07/08
New Zealand	230	05/06A
Norway	220	07/08
Panama	110	01/02
Philippines	115	01/02
Poland	220	07/08
Portugal	220	07/08
Romania	220	07/08
Saudi Arabia	220	03/07/02
Singapore	230	09X
South Africa	220	10
Spain	220	07/08
Sweden	220	07/08
Switzerland	220	07
Taiwan	110	01/02
Thailand	220	01/02/07
Turkey	220	07/08
United Kingdom	240	09X
Uruguay	220	06A
U.S.A.	120	01/02
Russia	110/220	01/02/07
Yugoslavia	220	07/08

Desktop Type



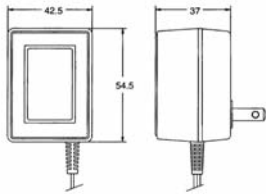
ISO 9001:2008
REGISTERED



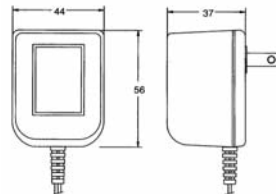
GT-3 Family Enclosures



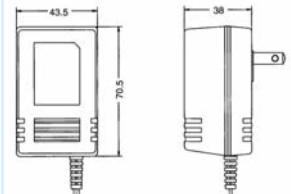
35-01



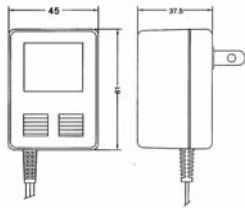
35-02



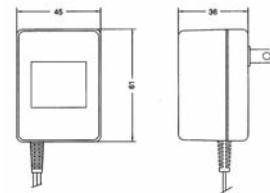
35-20



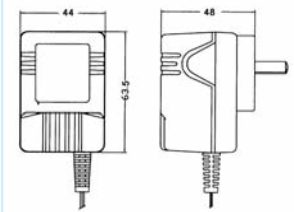
35-21



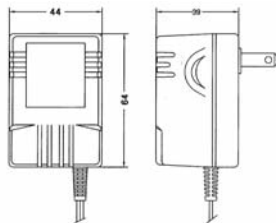
35-22



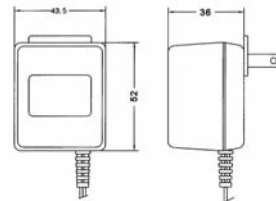
35-23



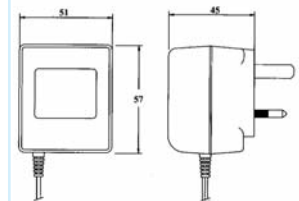
35-23-05A



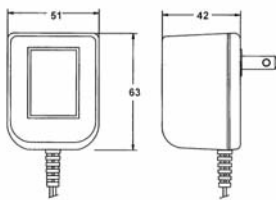
35-24



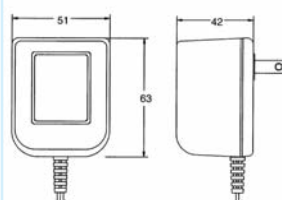
35-25-09X



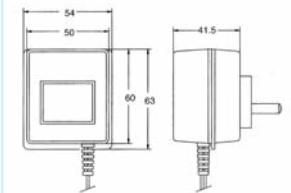
41-01



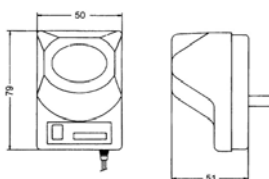
41-02



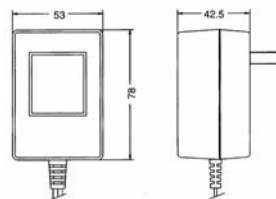
41-04



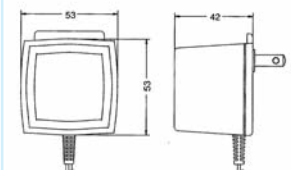
41-03-01



41-06



41-09



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

GT-3 Family Enclosures

<p>41-07</p>	<p>41-19</p>	<p>41-20</p>
<p>41-20-11</p>	<p>41-21-02</p>	<p>41-23-05A</p>
<p>41-22-07</p>	<p>41-24</p>	<p>41-25</p>
<p>48-01</p>	<p>48-1A</p>	<p>48-02</p>
<p>48-03</p>	<p>48-10-02</p>	<p>48-18</p>



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



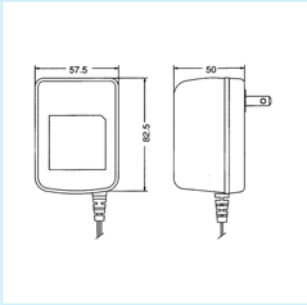
ISO 9001:2008
REGISTERED



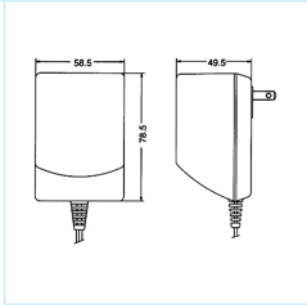
GT-3 Family Enclosures



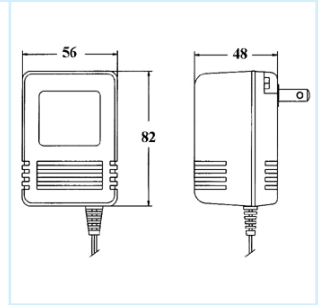
48-19



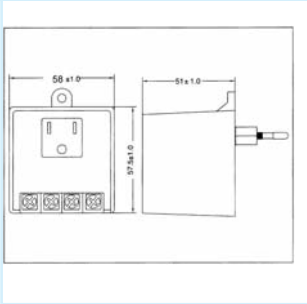
48-20



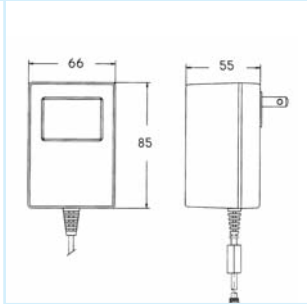
48-21



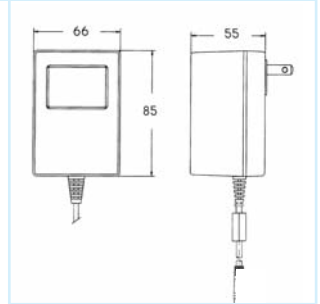
48-10-11



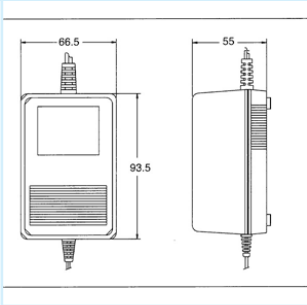
57-01



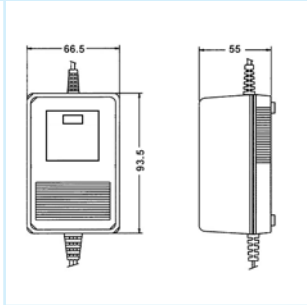
57-02



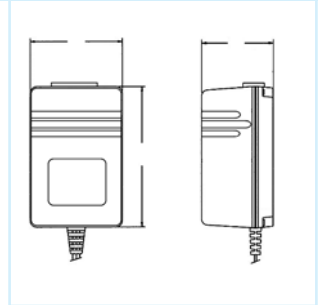
57-10



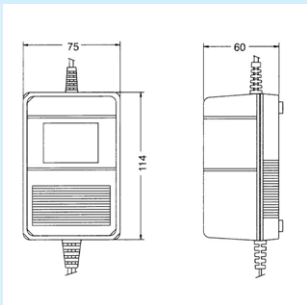
57-11



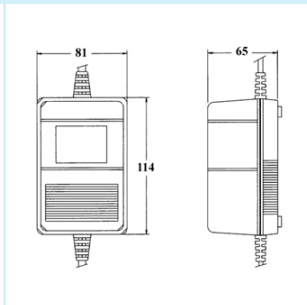
57-32



60-10



66-10



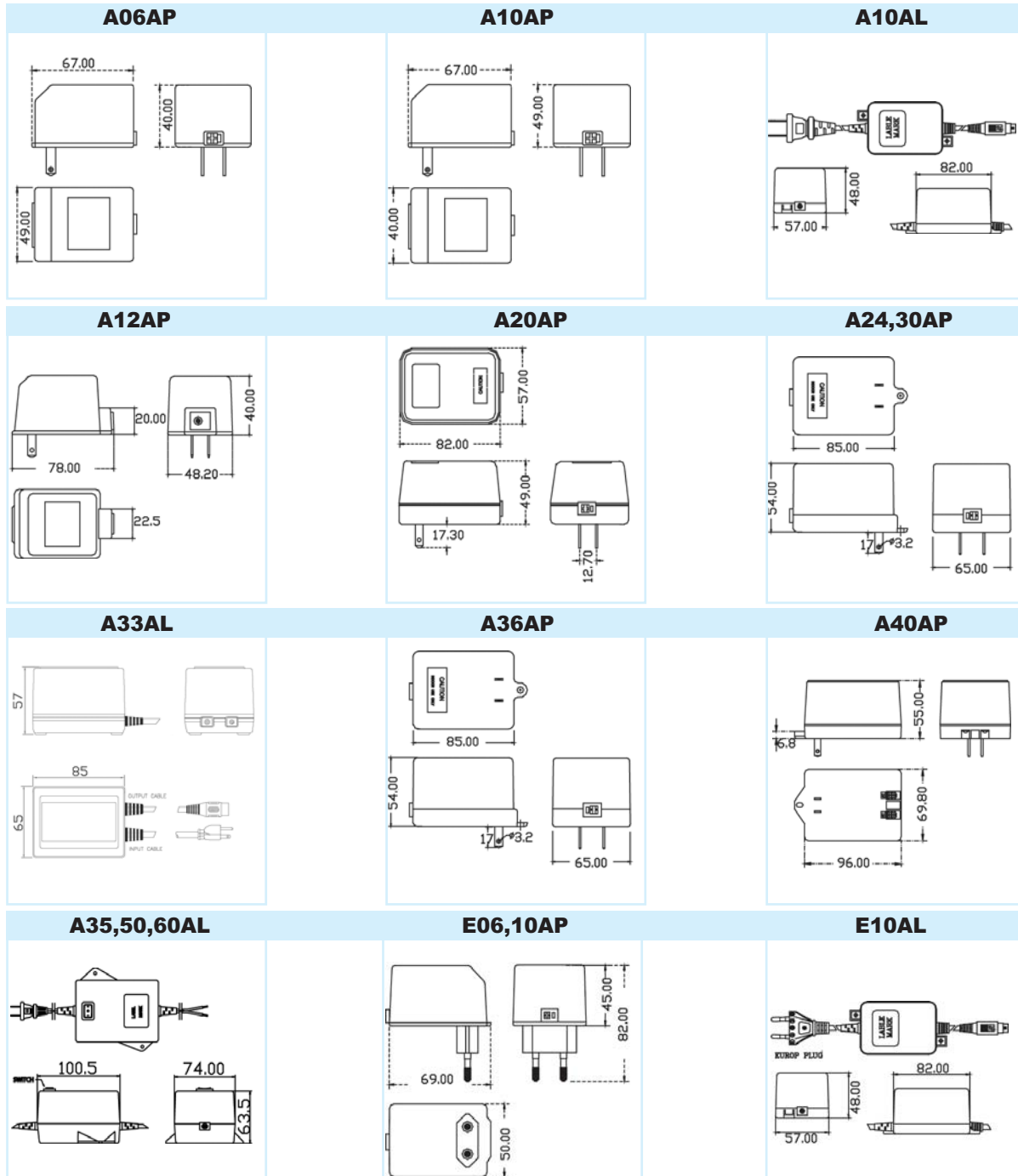
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



GT-7 Family Enclosures

AC/AC Adaptors

A(E,B,S)--AP(L): Example **A 30A P**



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

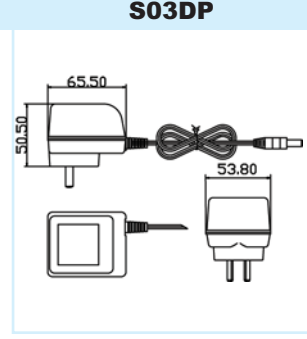
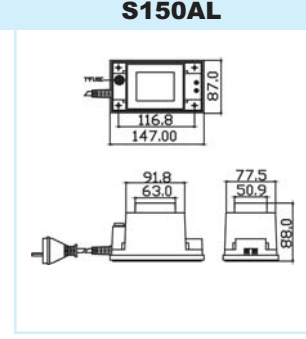
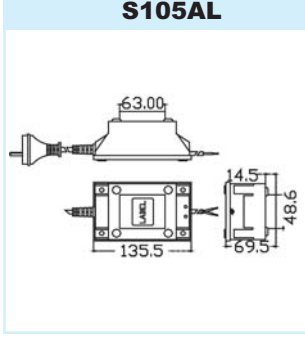
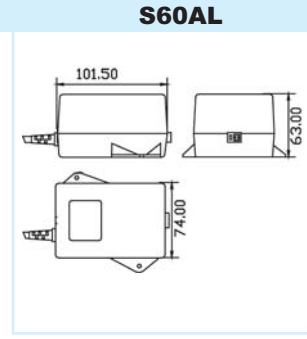
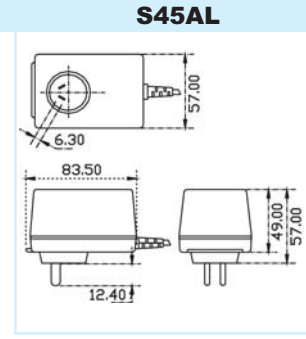
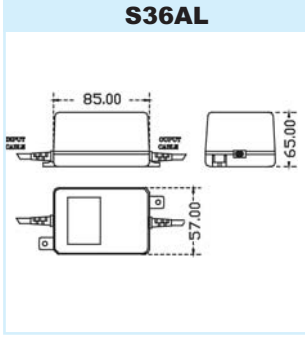
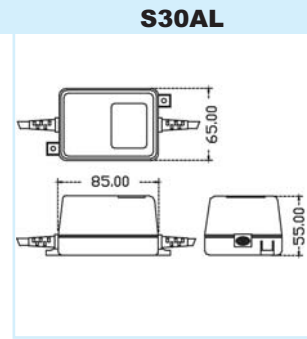
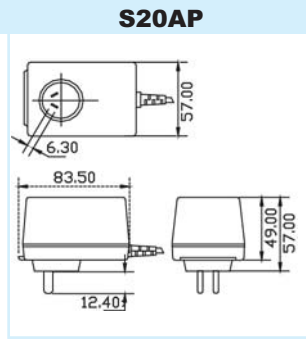
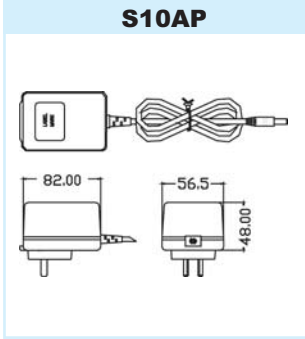
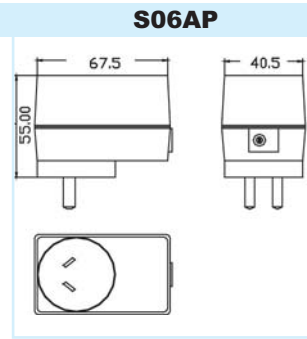
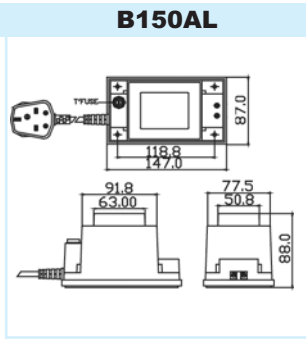
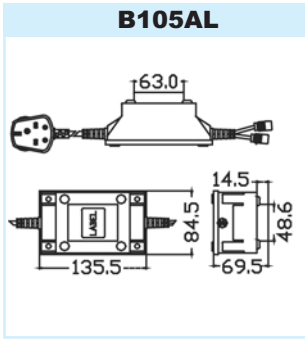
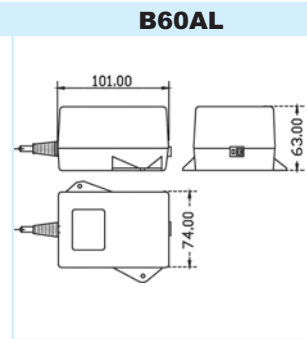
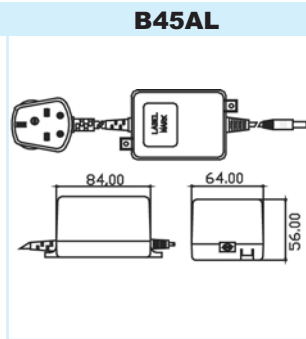
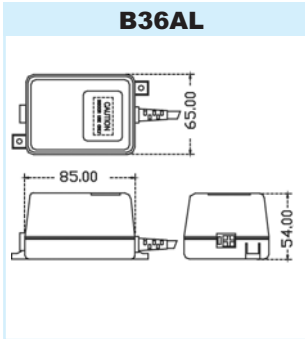


GT-7 Family Enclosures

<p>E12,16,20AP</p>	<p>E20AL</p>	<p>E22AP</p>
<p>E30,36,45AL</p>	<p>E60AL</p>	<p>E105,120AL</p>
<p>E150AL</p>	<p>E180,200AL</p>	<p>B10AP</p>
<p>B10AL</p>	<p>B12AP</p>	<p>B16AP</p>
<p>B20AP</p>	<p>B22AP</p>	<p>B30AL</p>



GT-7 Family Enclosures

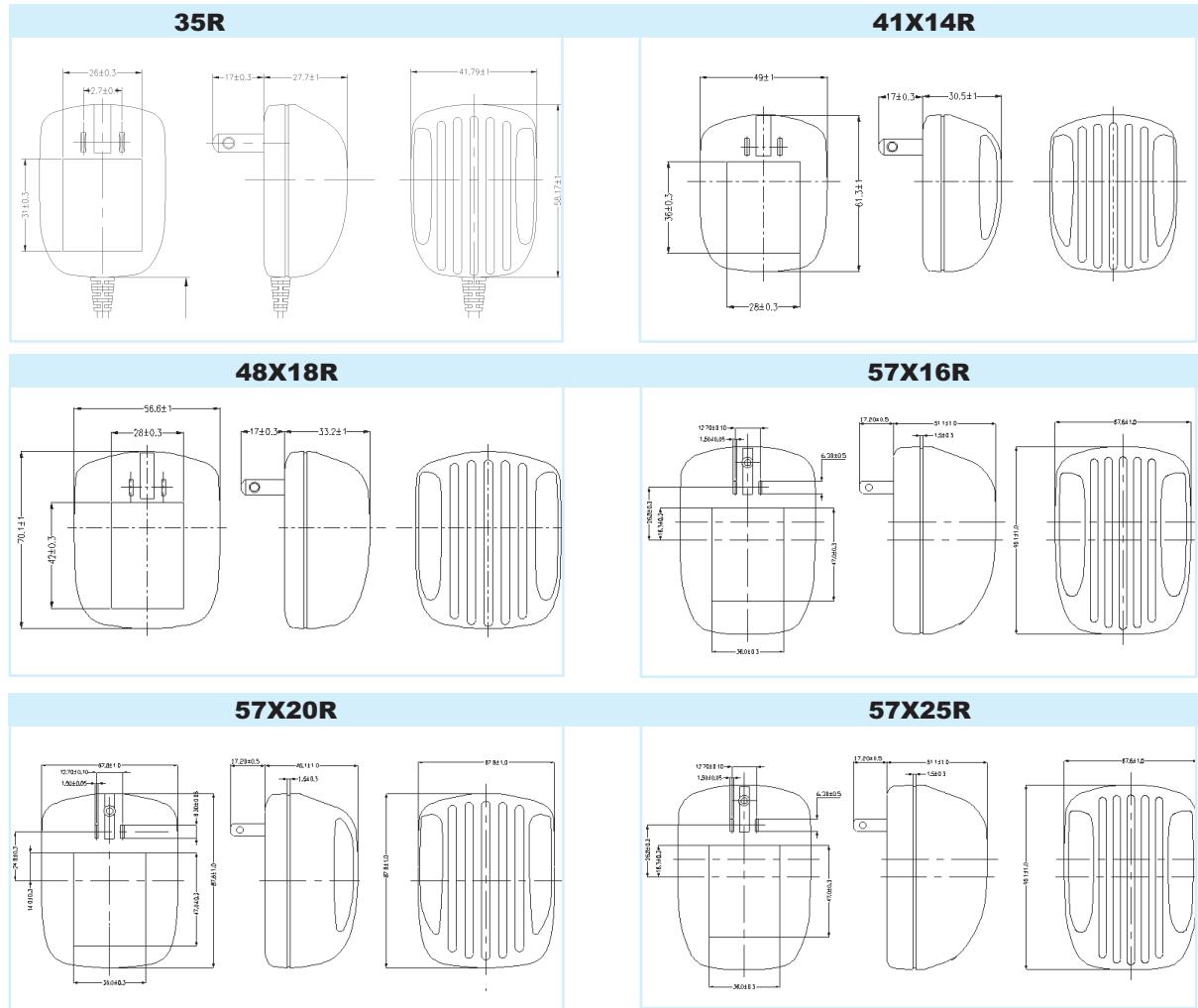




ISO 9001:2008
REGISTERED



GT-8 Family Enclosures



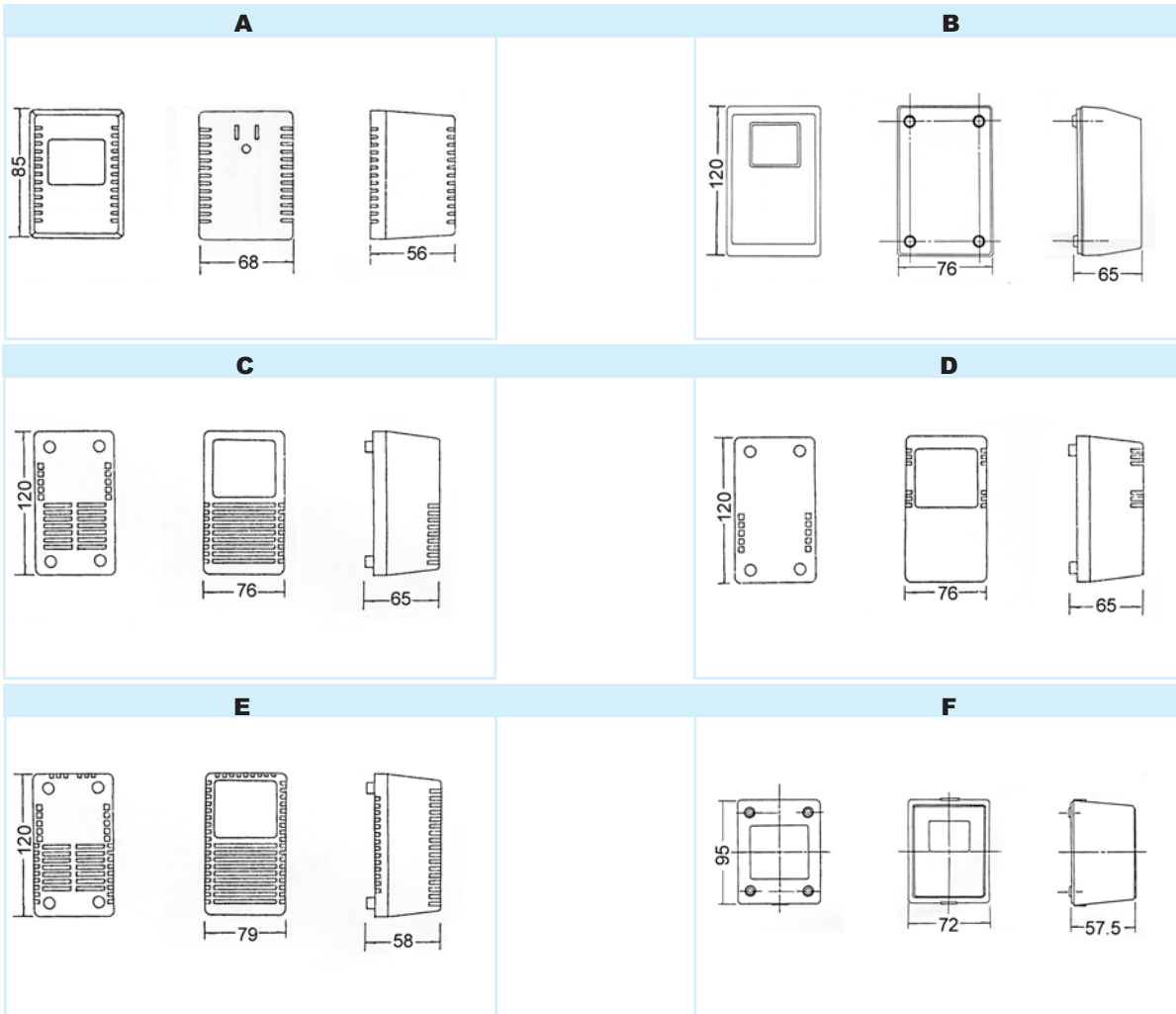
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



AC/DC Linear Regulated Adaptors



ISO 9001:2008 REGISTERED



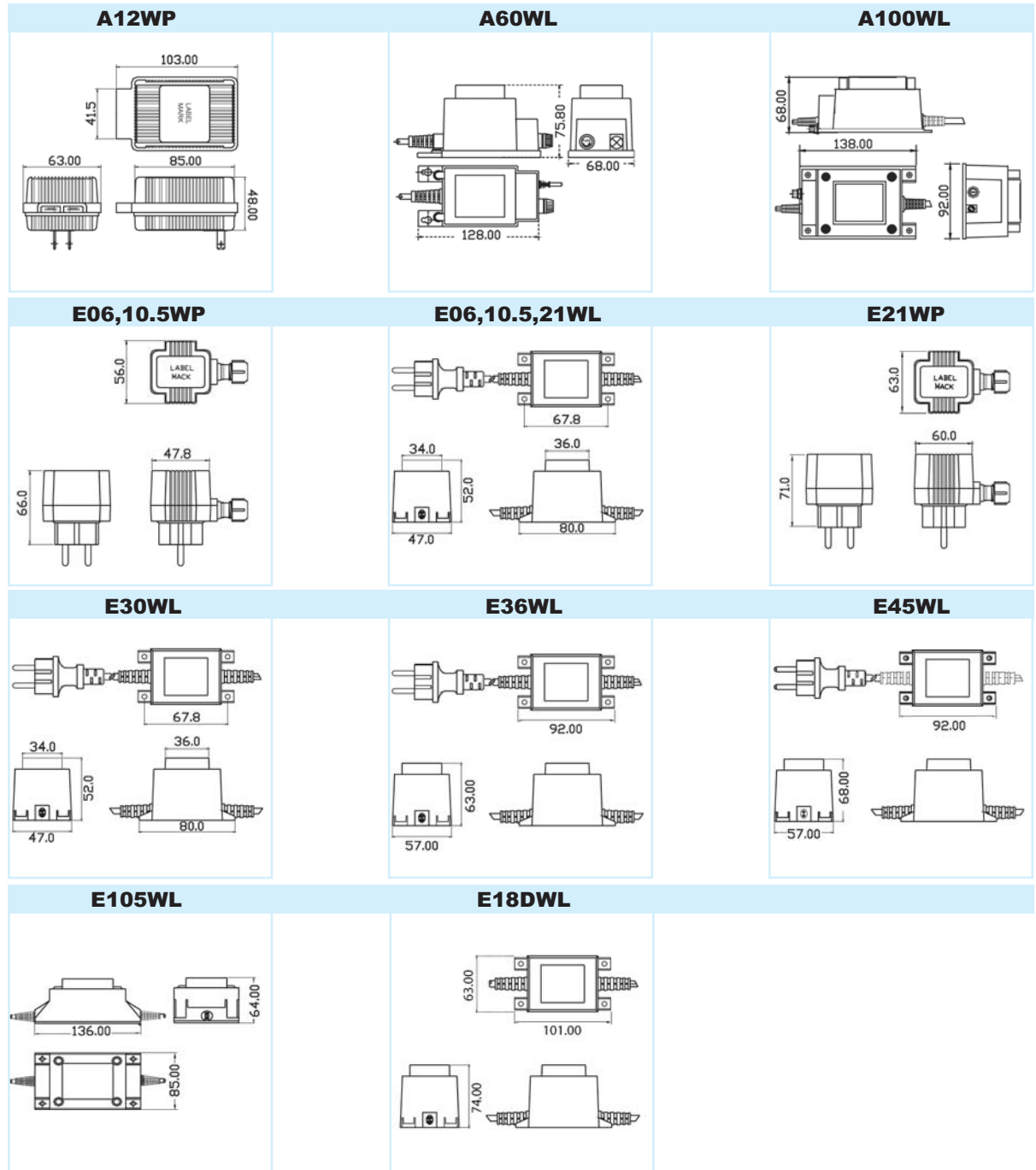
SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



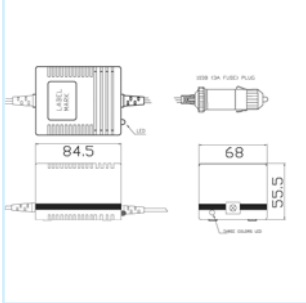
Weatherproof Adaptors



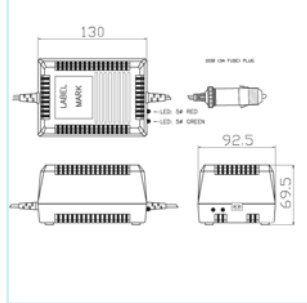


PCB Mount, Low-Profile PCB Mount, Quick Connect, Lead Wire

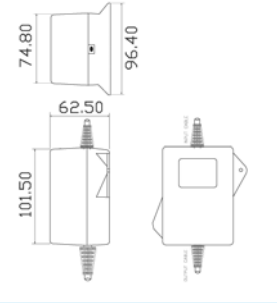
BCA57-12



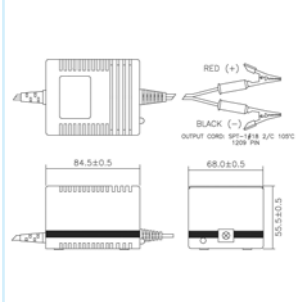
BCA66-12



BCA66-24



BCJ66



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



**Input Cord Options
International Configurations**

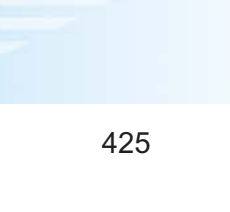
COUNTRY	PART NUMBER	DESCRIPTION
AUSTRALIAN	5502022M5701(R)	3 COND: GTSA 3X1.0, 2.5M, SAA AS3112-IEC 320/C13
AUSTRALIAN	5504262M0712(R)	3 COND: H05VVF, 3X0.75, 2M, SAA AS3112-IEC 320/C5
AUSTRALIAN	5014112M703(R)	2 COND: H05VVH2F, 2X0.75, 2M, SAA AS3112-IEC 320/C7
CHINA	6023602M5701(R)	3 COND: RVV, 3X1.0MM2, 2.5M, CCC GB2099.1 (1996)-IEC 320/C13
CHINA	6023592M0712(R)	3 COND: RVV, 3X0.75MM2, 2M, CCC GB2099.1 (1996)-IEC 320/C5
CHINA	4533501M8703(R)	2 COND: RVV (227IEC52), 2X0.75MM2, 1.8M, CCC GB2099.1 (1996)-IEC 320/C7
DENMARK	G8014262M5701(R)	3 COND: H05VVF 3X 1.00, 2.5M, D AFSNIT 107-2-D1-IEC 320/C13
DENMARK	2134262M0712(R)	3 COND: H05VVF 3X0.75, 2M, D AFSNIT 107-2-D1-IEC 320/C5
DENMARK	2074111M8703(R)	2 COND: H03VVH2F, 2X0.75, 1.8M, D CEE 7/16-IEC 320/C7
EUROPEAN	23144272M5701(R)	3 COND: H05VVF, 3X1.00, 2.5M CEE 7/7-IEC 320/C13
EUROPEAN	23144262M0712(R)	3 COND: H05VVF, 3X0.75, 2M, VDE, S, N, D, ECT. CEE 7/7-IEC 320/C5
EUROPEAN	2074111M8703(R)	2 COND: H05VVH2F, 2X0.75, 1.8M, VDE, S, N, D, ECT. CEE 7/16-IEC 320/C7
INDIA / S. AFRICA	2084272M5701(R)	3 COND: H05VVF 3X1.0, 2.5M BS546-IEC 320/C13
INDIA / S. AFRICA	2084262M0712(R)	3 COND: H05VVF 3X0.75, 2M BS546-IEC 320/C5
INDIA / S. AFRICA	2084111M8703(R)	2 COND: H05VVF 3X0.75, 1.8M BS546-IEC 320/C7
ITALIAN	23024272M5701(R)	3 COND: H05VVF 3X 1.00, 2.5M, IMQ CEI 23-16/VII-IEC 320/C13
ITALIAN	23024262M0712(R)	3 COND: H05VVF 3X0.75, 2M, IMQ CEI 23-16/VII-IEC 320/C5
ITALIAN	2074111M8703(R)	2 COND: H03VVH2F, 2X0.75, 1.8M, IMQ CEE 7/16-IEC 320/C7
JAPAN	3003068F2701(R)	3 COND: VCTF, 3X 2.0, 2.5M, PSE JIS8303-IEC 320/C13
JAPAN	3003311M8712(R)	3 COND: VCTF, 3X 0.75, 1.8M, PSE JIS8303-IEC 320/C5
JAPAN	451J3401M8703(R)	2 COND: VFF, 2X0.75MM2, 1.8M, PSE JIS8303-IEC 320/C7
KOREA	21K4111M8703(R)	2 COND: H03VVH2F, 2 X 0.75, 1.8M, IEC320/C5
KOREA	23K4272M5701(R)	3 COND: H05VVF, 3 X 1.0, 2.5M, IEC320/C13
N A HOSPITAL	1191068F0701(R)	3 COND: SJT 18/3, 8 FT., BLACK, UL/CSA HOSPITAL NEMA 5-15P-IEC 320/C13
N A HOSPITAL	1191068F0712(R)	3 COND: SJT 18/3, 8 FT., BLACK, HOSPITAL NEMA 5-15P-IEC 320/C5
NORTH AMERICAN	3021457F701(R)	3 COND: SVT 18/3, 7', BLACK, UL/CSA NEMA 5-15P-IEC 320/C13
NORTH AMERICAN	3021455F8712(R)	3 COND: SVT 18/3, 5'8", BLACK, UL/CSA NEMA 5-15P-IEC 320/C5
NORTH AMERICAN	4511116F703(R)	2 COND: SPT-2, 18/2, 6', BLACK, UL/CSA NEMA 1-15P-IEC 320/C7
SWISS	23214272M5701(R)	3 COND: H05VVF 3X1.0, 2.5M, SEV SEV 1011-IEC 320/C13
SWISS	23214262M0712(R)	3 COND: H05VVF 3X0.75, 2M SEV 1011-IEC 320/C5
SWISS	2074111M8703(R)	2 COND: H03VVH2F, 2X0.75, 1.8M, SEV CEE 7/16-IEC 320/C7
UK	PZ0800100/2M5BK13(R)	3 COND: H05VVF, 3X1.0, 2.5M, BSI BS1363-IEC 320/C13
UK	6104262M0712(R)	3 COND: H05VVF, 3X0.75, 2M, BSI BS1363-IEC 320/C5
UK	6104112M703(R)	2 COND: H03VVH2F, 2X0.75, 2M, BSI BS1363-IEC 320/C7

Custom Lengths, Colors, Strain Reliefs Available Upon Request

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

Output Plug/Cord Options

NO.	DESCRIPTION/ DIMENSIONS	OUTPUT PLUG	WIRING * DC POWER	MATING CONNECTOR												
A <input type="checkbox"/> X	Strip&Tin: 2 Conductor, UL VW-1 Rated, Flat Cord, Black PVC Jacket , 6FT. 	N/A	+: CONDUCTOR JACKET ALT. COLORS AVAILABLE	N/A												
A <input type="checkbox"/> 3X	Strip&Tin: 3 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket , 6FT. 	N/A	+: CONDUCTOR JACKET ALT. COLORS AVAILABLE	N/A												
E 1 1	2.35x0.7x9.5mm Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Blk PVC Jacket. 	EIAJ-1	<table border="1"> <tr><th colspan="2">POLARITY</th><th>Y</th></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="2">OR</td><td></td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK G-EJ1
POLARITY		Y														
⊖	⊕	P														
OR																
⊕	⊖	N														
E 1 2	4.0x1.7x9.5mm Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Blk PVC Jacket. 	EIAJ-2	<table border="1"> <tr><th colspan="2">POLARITY</th><th>Y</th></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="2">OR</td><td></td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK G-EJ2
POLARITY		Y														
⊖	⊕	P														
OR																
⊕	⊖	N														
E 1 3	4.75x1.7x9.5mm Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Blk PVC Jacket. 	EIAJ-3	<table border="1"> <tr><th colspan="2">POLARITY</th><th>Y</th></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="2">OR</td><td></td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK G-EJ3
POLARITY		Y														
⊖	⊕	P														
OR																
⊕	⊖	N														
L <input type="checkbox"/> R Y	5.5x2.5x11mm Right Angle Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket. 	2.5mm I.D. 5.5mm O.D. Xmm Barrel	<table border="1"> <tr><th colspan="2">POLARITY</th><th>Y</th></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="2">OR</td><td></td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK G-1005B
POLARITY		Y														
⊖	⊕	P														
OR																
⊕	⊖	N														
L L <input type="checkbox"/> Y	5.5x2.5x11mm Locking Female Plug/ 2 Conductor, UL VW-1 Rated, Flat Cord, Black PVC Jacket, 6FT. 	2.5mm I.D. 5.5mm O.D. Xmm Barrel	<table border="1"> <tr><th colspan="2">POLARITY</th><th>Y</th></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="2">OR</td><td></td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	SWITCHCRAFT 712A OR EQUIV.
POLARITY		Y														
⊖	⊕	P														
OR																
⊕	⊖	N														
C <input type="checkbox"/> X Y	5.5x2.1x11mm Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Blk PVC Jacket. 	2.1mm I.D. 5.5mm O.D. Xmm Barrel	<table border="1"> <tr><th colspan="2">POLARITY</th><th>Y</th></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="2">OR</td><td></td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK G-1005A, OR G-1001A
POLARITY		Y														
⊖	⊕	P														
OR																
⊕	⊖	N														
RJ9	RJ9 Plug, 4 Pin Telephone Wire, 4 Conductor 	RJ9	Customer Specified	GLOBTEK G-RJ9												
RJ11	RJ11 Plug, 6 Pin Telephone Wire, 6 Conductor 	RJ11	Customer Specified	GLOBTEK G-RJ11												
RJ45	RJ45 Plug, 8 Pin Telephone Wire, 8 Conductor 	RJ45	Customer Specified	GLOBTEK G-RJ45												



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



Output Plug/Cord Options

NO.	DESCRIPTION/ DIMENSIONS	OUTPUT PLUG	WIRING * DC POWER	MATING CONNECTOR																										
CR <input type="checkbox"/> X <input type="checkbox"/> Y	5.5x2.1x11mm Right Angle Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	2.1mm I.D. 5.5mm O.D. Xmm Barrel	<table border="1"> <tr><td colspan="2">POLARITY</td><td>Y</td></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="3">OR</td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK G-1005A
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
POLARITY		Y																												
⊖	⊕	P																												
OR																														
⊕	⊖	N																												
EI4	5.5x3.3x1.0x9.5mm Right Angle Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	EIAJ-4	<table border="1"> <tr><td colspan="2">POLARITY</td><td>Y</td></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="3">OR</td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK EJ4
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
POLARITY		Y																												
⊖	⊕	P																												
OR																														
⊕	⊖	N																												
EI5	6.5x4.4x1.37x9.5mm Right Angle Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	EIAJ-5	<table border="1"> <tr><td colspan="2">POLARITY</td><td>Y</td></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="3">OR</td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK EJ4
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
POLARITY		Y																												
⊖	⊕	P																												
OR																														
⊕	⊖	N																												
CL <input type="checkbox"/> Y	5.5x2.1x11mm Locking Female Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket, 6Ft.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	2.1mm I.D. 5.5mm O.D. Xmm Barrel	<table border="1"> <tr><td colspan="2">POLARITY</td><td>Y</td></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="3">OR</td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	SWITCHCRAFT P/N: 722A				
X	Nº																													
9.5	9																													
11	C																													
12	2																													
POLARITY		Y																												
⊖	⊕	P																												
OR																														
⊕	⊖	N																												
K <input type="checkbox"/> X <input type="checkbox"/> Y	3.5 x 1.3 mm Female Plug/2 Conductor, UL VW-1 Rated, Shielded- Foil Shield w/Drain Wire, Round Cord, Blk PVC Jacket, 6Ft, Shield connected to earth ground inside unit.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	1.3 mm I.D. 3.5 mm O.D. Xmm Barrel	<table border="1"> <tr><td colspan="2">POLARITY</td><td>Y</td></tr> <tr><td>⊖</td><td>⊕</td><td>P</td></tr> <tr><td colspan="3">OR</td></tr> <tr><td>⊕</td><td>⊖</td><td>N</td></tr> </table>	POLARITY		Y	⊖	⊕	P	OR			⊕	⊖	N	GLOBTEK: GT-0210E
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
POLARITY		Y																												
⊖	⊕	P																												
OR																														
⊕	⊖	N																												
P <input type="checkbox"/> X <input type="checkbox"/> Y	3.5x14.5mm Male Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	3.5mm Dia. Xmm Barrel	<table border="1"> <tr><td>TIP +</td></tr> <tr><td>OR</td></tr> <tr><td>TIP -</td></tr> </table>	TIP +	OR	TIP -	SWITCHCRAFT 41 OR EQUIV. GLOBTEK G-P00									
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
TIP +																														
OR																														
TIP -																														
PR <input type="checkbox"/> X <input type="checkbox"/> Y	3.5x14.5mm Right Angle Male Plug/ 2 Conductor, UL VW-1 Rated, Flat Cord, Black PVC Jacket, 6Ft.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	3.5mm Dia. Xmm Barrel	<table border="1"> <tr><td>TIP +</td></tr> <tr><td>OR</td></tr> <tr><td>TIP -</td></tr> </table>	TIP +	OR	TIP -	SWITCHCRAFT 41 OR EQUIV. GLOBTEK G-P00									
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
TIP +																														
OR																														
TIP -																														
S <input type="checkbox"/> X <input type="checkbox"/> Y	2.5x11.5mm Male Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket, 6Ft.		<table border="1"> <tr><td>X</td><td>Nº</td></tr> <tr><td>9.5</td><td>9</td></tr> <tr><td>11</td><td>C</td></tr> <tr><td>12</td><td>2</td></tr> <tr><td>13</td><td>3</td></tr> <tr><td>14</td><td>4</td></tr> </table>	X	Nº	9.5	9	11	C	12	2	13	3	14	4	2.5mm Dia. Xmm Barrel	<table border="1"> <tr><td>TIP +</td></tr> <tr><td>OR</td></tr> <tr><td>TIP -</td></tr> </table>	TIP +	OR	TIP -	SWITCHCRAFT TR-2A OR EQUIV. GLOBTEK G-S00									
X	Nº																													
9.5	9																													
11	C																													
12	2																													
13	3																													
14	4																													
TIP +																														
OR																														
TIP -																														

*Alternative Polarity and Custom Pinouts Arrangement Available, Custom Plugs and Strain Reliefs Available, Customer Specified Colors Available Upon Request.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

Output Plug/Cord Options

NO.	DESCRIPTION/ DIMENSIONS	OUTPUT PLUG	WIRING * DC POWER	MATING CONNECTOR																											
SR <input type="checkbox"/> XY	<p>2.5x11.5mm Right Angle Male Plug/ 2 Conductor, UL VW-1 Rated, Round or Flat Cord, Black PVC Jacket, 6Ft.</p> <table border="1"> <tr> <th>X</th> <th>No</th> </tr> <tr> <td>9.5</td> <td>9</td> </tr> <tr> <td>11</td> <td>C</td> </tr> <tr> <td>12</td> <td>2</td> </tr> <tr> <td>13</td> <td>3</td> </tr> <tr> <td>14</td> <td>4</td> </tr> </table>	X	No	9.5	9	11	C	12	2	13	3	14	4	2.5mm Dia. Xmm Barrel	 TIP + OR TIP -	SWITCHCRAFT TR-2A OR EQUIV. GLOBTEK G-S00															
X	No																														
9.5	9																														
11	C																														
12	2																														
13	3																														
14	4																														
YL3	<p>3 Pin 180° Kycon Locking Plug/ 3 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft.</p> <p>NON-LOCKING TYPE ALSO AVAILABLE</p>	3 Pin 180° Snap and Lock Power Plug	Pin 1 (+) Pin 2 Com Pin 3 Gnd	Kycon KPJ-3S Socket GLOBTEK G-YL3																											
YLS3	<p>3 Pin 180° Kycon Locking Plug/ 3 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/ Drain Wire, Rnd. Cord, Blk PVC Jacket, 6Ft, Shield connected to shell.</p> <p>NON-LOCKING TYPE ALSO AVAILABLE</p>	3 Pin 180° Snap and Lock Power Plug	Pin 1 (+) Pin 2 Com Pin 3 Gnd Shell to Shield	Kycon KPJ-3S Socket GLOBTEK G-YL3																											
YL4	<p>4 Pin 180° Kycon Locking Plug/ 4 Conductor, UL VW-1 Rated, Round Cord, Blk PVC Jacket, 6Ft.</p> <p>NON-LOCKING TYPE ALSO AVAILABLE</p>	4 Pin 180° Snap and Lock Power Plug	Pin 1 (+) Pin 2 Com Pin 3 (+) Pin 4 Com	Kycon KPJ-4S Socket GLOBTEK G-YL4																											
YLS4	<p>4 Pin 180° Kycon Locking Plug/ 4 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/ Drain Wire, rnd. Cord, Blk. PVC Jacket, 6Ft, Shield connected to shell.</p> <p>NON-LOCKING TYPE ALSO AVAILABLE</p>	4 Pin 180° Snap and Lock Power Plug	Pin 1 (+) Pin 2 Com Pin 3 (+) Pin 4 Com Shell to Shield	Kycon KPJ-4S Socket GLOBTEK G-YL4																											
YLS3	<p>Insulation Resistance: 50 Megaohms min. at 250VDC Dielectric Strength: 250VAC rms for 1 minute Contact Resistance: 50 milliohms max. Material and Finish of each connector: Inner Shield: Copper alloy, Tin plated</p>	<p>INPUT AND OUTPUT CONNECTOR: KPJ-3S or EQUIVALENT</p> <p>PINOUT</p> <table border="1"> <thead> <tr> <th>INTPUT</th> <th>J2</th> <th>OUTPUT</th> <th>J4</th> </tr> </thead> <tbody> <tr> <td>J1</td> <td>PIN 1</td> <td>J3</td> <td>PIN 1</td> </tr> <tr> <td>PIN 1</td> <td>PIN 1</td> <td>PIN 1</td> <td>PIN 1</td> </tr> <tr> <td>PIN 2</td> <td>PIN 2</td> <td>PIN 2</td> <td>PIN 2</td> </tr> <tr> <td>PIN 3</td> <td>PIN 3</td> <td>PIN 3</td> <td>PIN 3</td> </tr> <tr> <td>SHELL</td> <td>SHELL</td> <td>SHELL</td> <td>SHELL</td> </tr> </tbody> </table>	INTPUT	J2	OUTPUT	J4	J1	PIN 1	J3	PIN 1	PIN 1	PIN 1	PIN 1	PIN 1	PIN 2	PIN 2	PIN 2	PIN 2	PIN 3	PIN 3	PIN 3	PIN 3	SHELL	SHELL	SHELL	SHELL	<p>Pins 1 and 2 of all connectors 7.5A max @ 20VDC Pin 3 of all connectors 1.0A max @ 20VDC Pins 1 and 2 Brass, tin plated, Pin 3 Phosphor bronze, tin plated</p>				
INTPUT	J2	OUTPUT	J4																												
J1	PIN 1	J3	PIN 1																												
PIN 1	PIN 1	PIN 1	PIN 1																												
PIN 2	PIN 2	PIN 2	PIN 2																												
PIN 3	PIN 3	PIN 3	PIN 3																												
SHELL	SHELL	SHELL	SHELL																												
YLS4	<p>Insulation Resistance: 50 Megaohms min. at 250VDC Dielectric Strength: 250VAC rms for 1 minute Contact Resistance: 50 milliohms max. Material and Finish of each connector: Inner Shield: Copper alloy, Tin plated</p>	<p>INPUT AND OUTPUT CONNECTOR: KPJ-3S or EQUIVALENT</p> <p>PINOUT</p> <table border="1"> <thead> <tr> <th>INTPUT</th> <th>J2</th> <th>OUTPUT</th> <th>J4</th> </tr> </thead> <tbody> <tr> <td>J1</td> <td>PIN 1</td> <td>J3</td> <td>PIN 1</td> </tr> <tr> <td>PIN 1</td> <td>PIN 1</td> <td>PIN 1</td> <td>PIN 1</td> </tr> <tr> <td>PIN 2</td> <td>PIN 2</td> <td>PIN 2</td> <td>PIN 2</td> </tr> <tr> <td>PIN 3</td> <td>PIN 3</td> <td>PIN 3</td> <td>PIN 3</td> </tr> <tr> <td>PIN 4</td> <td>PIN 4</td> <td>PIN 4</td> <td>PIN 4</td> </tr> <tr> <td>SHELL</td> <td>SHELL</td> <td>SHELL</td> <td>SHELL</td> </tr> </tbody> </table>	INTPUT	J2	OUTPUT	J4	J1	PIN 1	J3	PIN 1	PIN 1	PIN 1	PIN 1	PIN 1	PIN 2	PIN 2	PIN 2	PIN 2	PIN 3	PIN 3	PIN 3	PIN 3	PIN 4	PIN 4	PIN 4	PIN 4	SHELL	SHELL	SHELL	SHELL	<p>All connectors 7.5A max @ 20VDC Brass, tin plated</p>
INTPUT	J2	OUTPUT	J4																												
J1	PIN 1	J3	PIN 1																												
PIN 1	PIN 1	PIN 1	PIN 1																												
PIN 2	PIN 2	PIN 2	PIN 2																												
PIN 3	PIN 3	PIN 3	PIN 3																												
PIN 4	PIN 4	PIN 4	PIN 4																												
SHELL	SHELL	SHELL	SHELL																												



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED



Output Plug/Cord Options

NO.	DESCRIPTION/ DIMENSIONS	OUTPUT PLUG	WIRING* DC POWER	MATING CONNECTOR
N03	3 Pin 180° DIN Plug/ 3 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	3 Pin 180° Standard DIN	Pin 1 (+) Pin 2 Com Pin 3 Com	GLOBTEK G-1007-3
NS3	3 Pin 180° DIN Plug/ 3 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/Drain Wire, Round Cord, Black PVC Jacket, 6Ft, Shield connected to shell. 	3 Pin 180° Standard DIN	Pin 1 (+) Pin 2 Com Pin 3 Com Shell to Shield	GLOBTEK G-1007-3
N04	4 Pin 240° DIN Plug/ 4 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	4 Pin 180° Standard DIN	Pin 1 (+) Pin 2 (+) Pin 3 Com Pin 4 Com Shell to Shield	GLOBTEK G-1007-4
NS4	4 Pin 240° DIN Plug/ 4 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/Drain Wire, Round Cord, Blk PVC Jacket, 6Ft, Shield connected to shell. 	4 Pin 180° Standard DIN	Pin 1 (+) Pin 2 (+) Pin 3 Com Pin 4 Com Shell to Shield	GLOBTEK G-1007-4
N05	5 Pin 180° DIN Plug/ 5 Conductor, UL VW-1 Rated, Round Cord, Blk PVC Jacket, 6Ft. 	5 Pin 180° Standard DIN	Pin 1 Com Pin 2 Com Pin 3 +5V Pin 4 -12V Pin 5 +12V	GLOBTEK G-1007-5
NS5	5 Pin 180° DIN Plug/ 5 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/Drain Wire, Round Cord, Blk PVC Jacket, 6Ft, Shield connected to shell. 	5 Pin 180° Standard DIN	Pin 1 Com Pin 2 Com Pin 3 +5V Pin 4 -12V Pin 5 +12V Shell to Shield	GLOBTEK G-1007-5
N06	6 Pin 240° DIN Plug/ 6 Conductor, UL VW-1 Rated, Round Cord, Blk PVC Jacket, 6Ft. 	6 Pin 180° Standard DIN	Pin 1 +5V Pin 2 -12V Pin 3 Com Pin 4 +12V Pin 5 +5V Pin 6 Com	GLOBTEK G-1007-6
NS6	6 Pin 240° DIN Plug/ 6 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/Drain Wire, Round Cord, Blk PVC Jacket, 6Ft, Shield connected to shell. 	6 Pin 180° Standard DIN	Pin 1 +5V Pin 2 12V Pin 3 Com Pin 4 +12V Pin 5 +5V Pin 6 Com Shell to Shield	GLOBTEK G-1007-6
N08	8 Pin 270° DIN Plug/ 8 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	8 Pin 180° Standard DIN	Pin 1 +5V Pin 2 -12V Pin 3 Com Pin 4 +12V Pin 5 +5V Pin 6 Com Pin 7 +5V Pin 8 Com	GLOBTEK G-1007-8

*Alternative Polarity and Custom Pinouts Arrangement Available

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

Output Plug/Cord Options

NO.	DESCRIPTION/ DIMENSIONS	OUTPUT PLUG	WIRING* DC POWER	MATING CONNECTOR
NS8	8 Pin MINI-DIN Plug/ 6 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	8 Pin MINI-DIN	Pin 1 +5V Pin 2 -12V Pin 3 Com	GLOBTEK G-1007-8
M05	5 Pin 180° DIN Plug/ 5 Conductor, UL VW-1 Rated, Round Cord, Blk PVC Jacket, 6Ft. 	5 Pin 180° Standard MINI-DIN	Pin 1 Com Pin 2 Com Pin 3 +5V Pin 4 -12V Pin 5 +12V	GLOBTEK G-1007-5
MS5	5 Pin 180° DIN Plug/ 5 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/Drain Wire, Round Cord, Blk PVC Jacket, 6Ft, Shield connected to shell. 	5 Pin 180° Standard MINI-DIN	Pin 1 Com Pin 2 Com Pin 3 +5V Pin 4 -12V Pin 5 +12V Shell to Shield	GLOBTEK G-1007-6
MS6	6 Pin MINI-DIN Plug/ 6 Conductor, UL VW-1 Rated, Shielded-Foil Shield w/Drain Wire, Round Cord, Black PVC Jacket, 6Ft, Shield connected to shell. 	6 Pin MINI-DIN	Pin 1 +5V Pin 2 -12V Pin 3 Com Pin 4 +12V Pin 5 +5V Pin 6 Com Shell to Shield	GLOBTEK G-1007-6
M08	8 Pin MINI-DIN Plug/ 8 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	8 Pin MINI- DIN	Pin 1 +5V Pin 2 -12V Pin 3 Com Pin 4 +12V Pin 5 +5V Pin 6 Com Pin 7 +5V Pin 8 Com	GLOBTEK G-1007-8
M09	9 Pin MINI-DIN Plug/ 9 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	9 Pin MINI- DIN	Pin 1 +5V Pin 2 -12V Pin 3 Com Pin 4 +12V Pin 5 +5V Pin 6 Com Pin 7 +5V Pin 8 Com Pin 9 Com	GLOBTEK G-1007-9
D03	3 Terminal, 5.0A, Locking Molex Type/ 3 Conductor, UL VW-1 Rated, Round Cord, Blk PVC Jacket, 6Ft. 	3 Crimp Term 5.0A, 3.96mm Housing Molex: 2139	Pin 1 (+) Pin 2 Com Pin 3 Com	Molex: 41661
D04	4 Terminal, 5.0A, Locking Molex Type/ 4 Conductor, UL VW-1 Rated, Round Cord, Black PVC Jacket, 6Ft. 	4 Crimp Term 5.0A, 3.96mm Housing Molex: 2139	Pin 1 (+) Pin 2 (+) Pin 3 Com Pin 4 Com	Molex: 41661
R04	4 Terminal, 9.0A, Locking Molex Type/ 4 Conductor 16 AWG, UL VW-1 Rated, Round Cord, Blk. PVC Jacket, 6Ft. 	4 Crimp Term 9.0A, 4.20mm Housing Molex: 5557	Pin 1 (+) Pin 2 (+) Pin 3 Com Pin 4 Com	Molex: 5566



*Alternative Polarity and Custom Pinouts Arrangement Available

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



Output Plug/Cord Options

NO.	DESCRIPTION/ DIMENSIONS	OUTPUT PLUG	WIRING* DC POWER	MATING CONNECTOR	
XF3	Female XLR Connector, 3 Pins, Neutrik NC3FX or equiv. Polarity to be specified by customer.		Customer Specified	Neutrik NC3MBAH	
XF4	Female XLR Connector, 4 Pins, Neutrik NC4FX or equivalent. Polarity to be specified by customer.		Customer Specified	Neutrik NC4MBH	
XM3	Male XLR Connector, 3 Pins, Neutrik NC3MX or equiv. Polarity to be specified by customer.		Customer Specified	Neutrik NC3FBAH1	
XM4	Male XLR Connector, 4 Pins, Neutrik NC4MX or equiv. Polarity to be specified by customer.		Customer Specified	Neutrik NC4FBH	
MMF	Molex® Mini-Fit type (square)		Molex® 5557 Series, 2-24 Poles, with 5556 Pins	Customer Specified	
MMI	Molex® Micro-Fit 4-Pole, 43025 Series		Molex® 43025 Series, 2-24 Poles, with 43030 Pins	Customer Specified	Molex® 43020
A1	Strip & Tin, 2 conductor Round Jacket, PVC, length and color may be specified			Customer Specified	
FX9	2 Pin, Female Connector			Customer Specified	GlobTek FX9-Jack
F3T	3 Pin, Mini Female Connector			Customer Specified	
F2J	2 Pole, Mini, Male Connector/ Inline Jack			Customer Specified	GlobTek FX9 Cordset
LM3	LEMO®: FGG. 2B. 303. CLCD62Z WITH LEMO® STRAIN RELIEF # GMA.2B.060.DN. Polarity to be selected by customer.			Customer Specified	Lemo®
AMPH	FEMALE CONNECTOR, AMPHENOL® P/N: T3278501			Customer Specified	Amphenol®

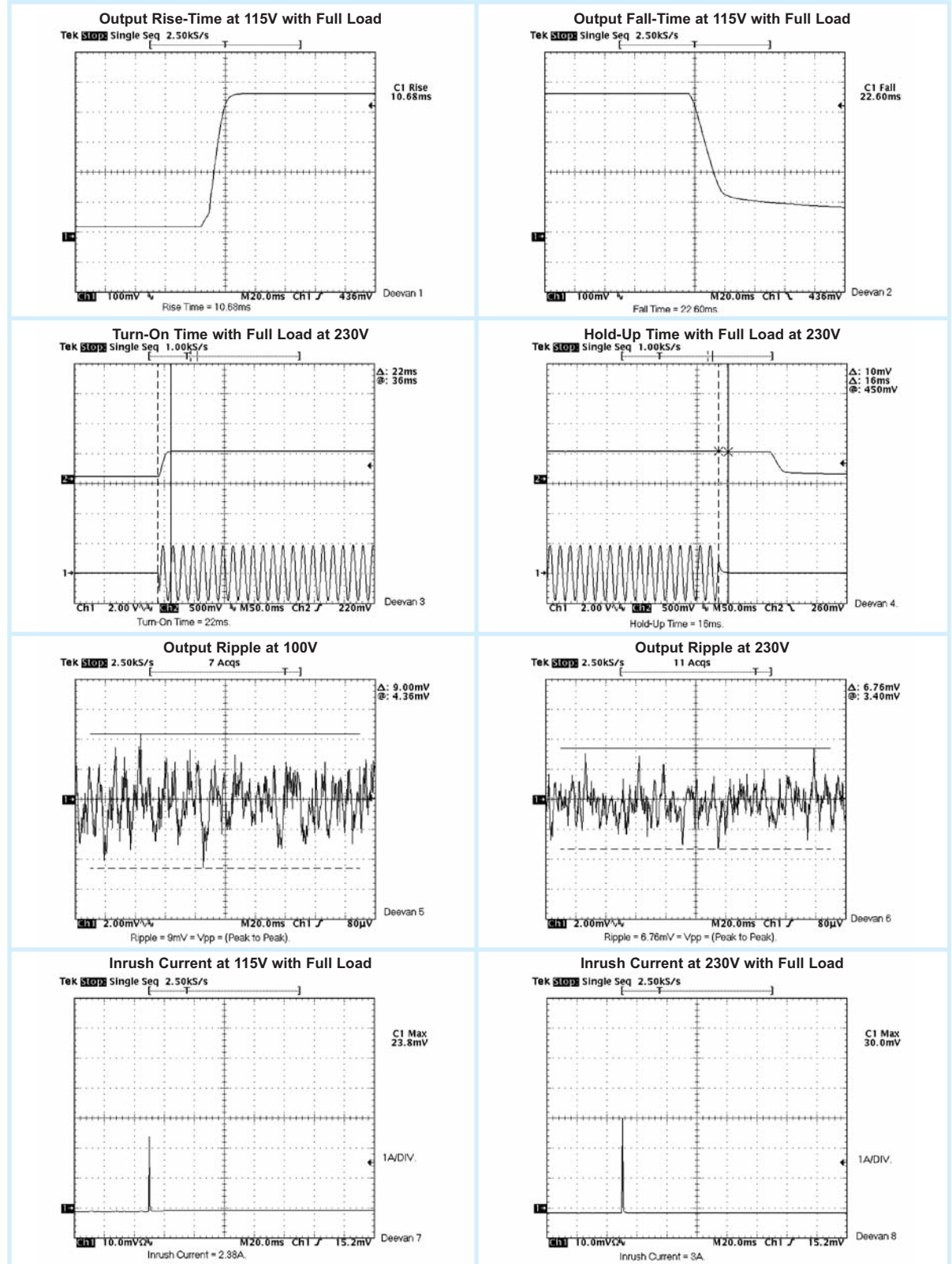


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

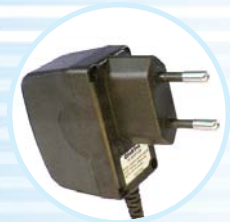


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

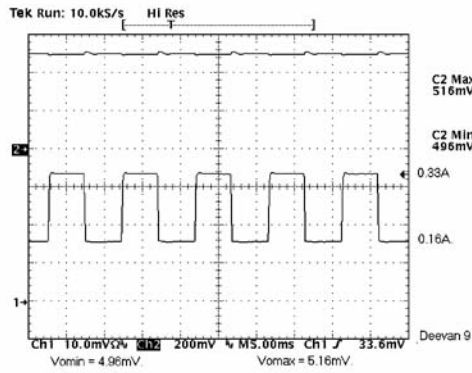


ISO 9001:2008
REGISTERED

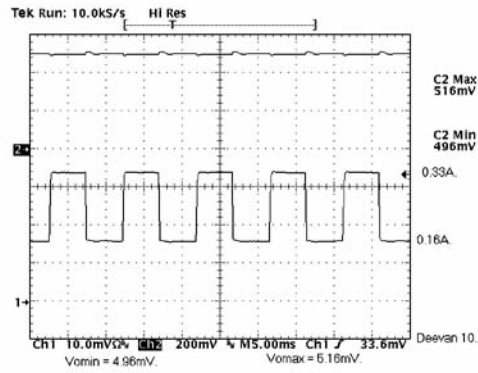
Electrical Performance Curves



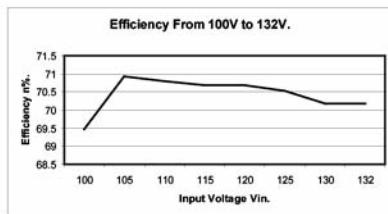
Dynamic Load Response at 115V



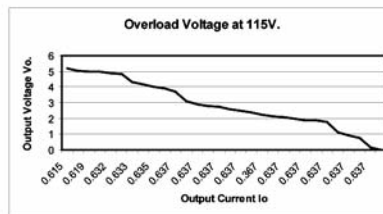
Dynamic Load Response at 230V



Efficiency From 100V to 132V at Full Load



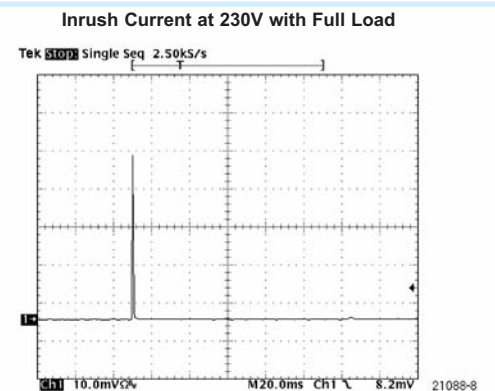
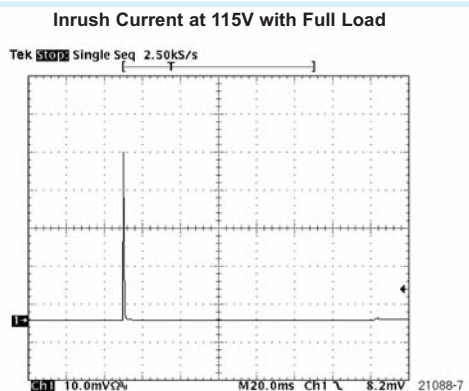
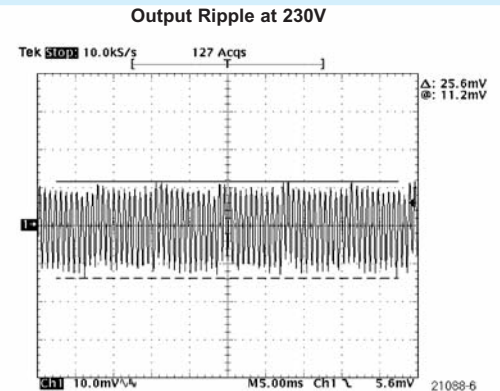
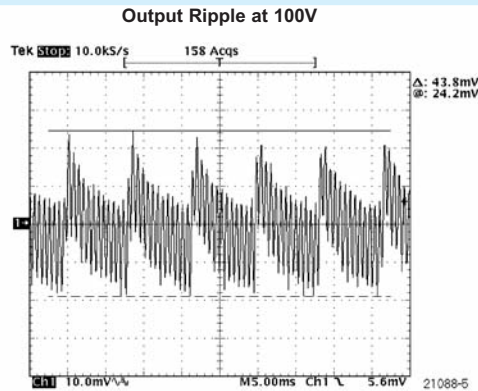
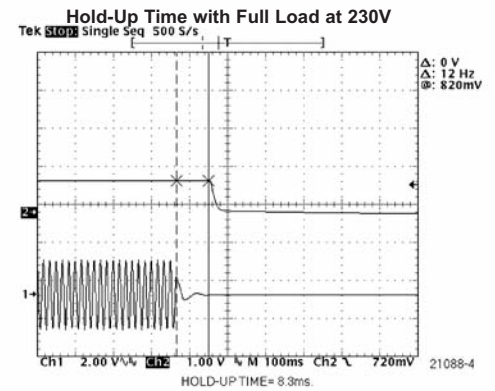
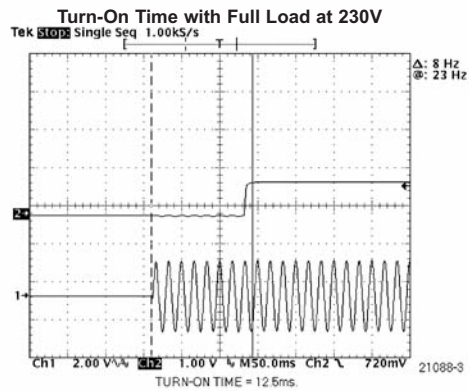
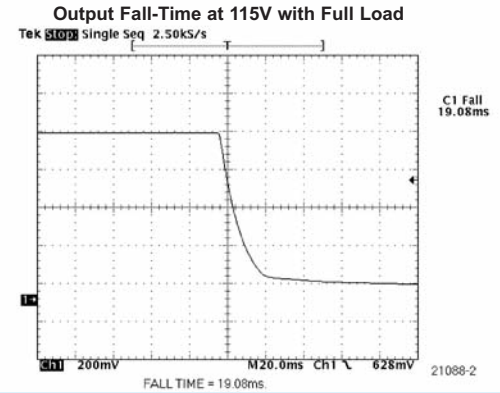
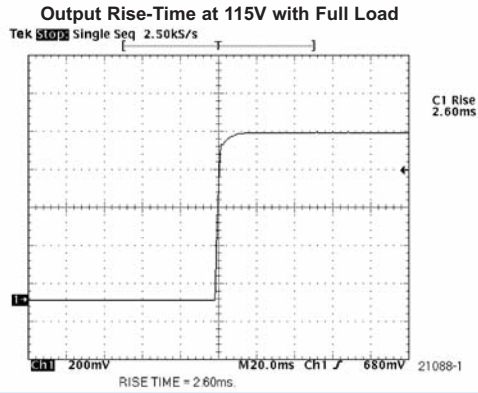
Output Overload at 115V





ISO 9001:2008
REGISTERED

Electrical Performance Curves

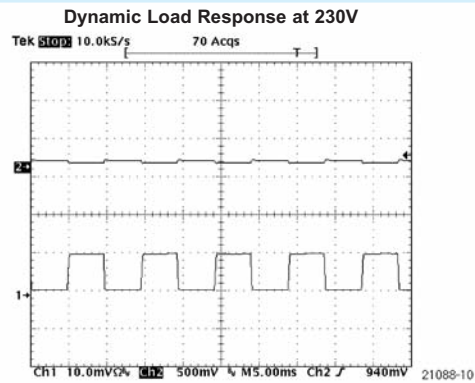
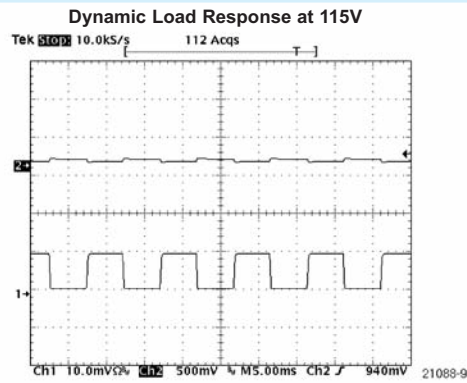


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

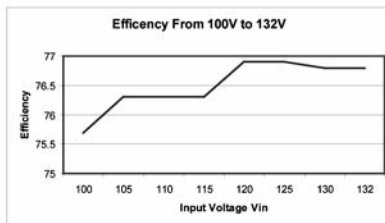


ISO 9001:2008
REGISTERED

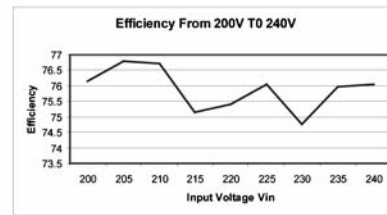
Electrical Performance Curves



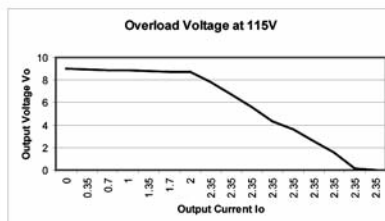
Efficiency From 100V to 132V at Full Load



Efficiency From 200V to 240V at Full Load



Output Overload at 115V

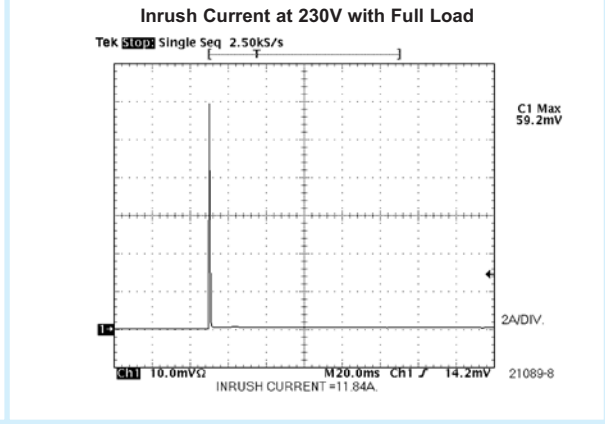
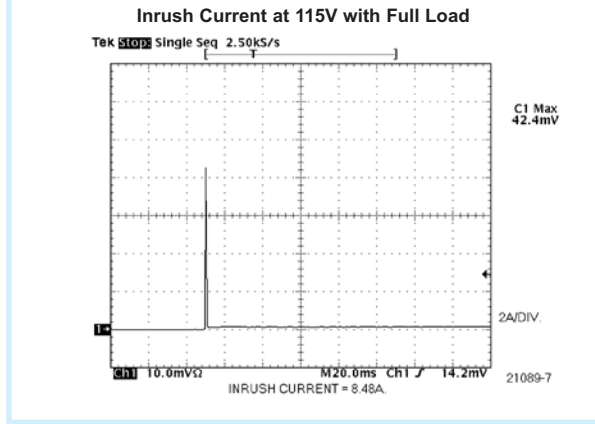
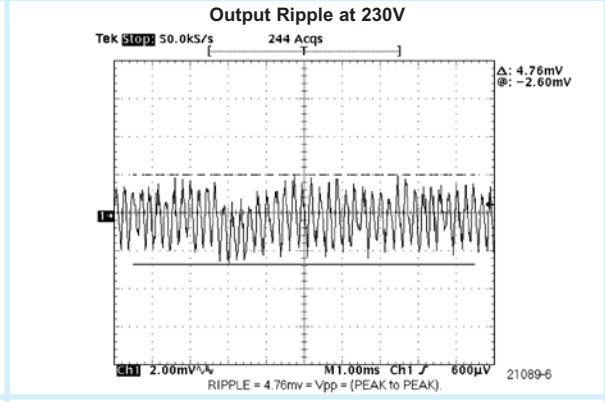
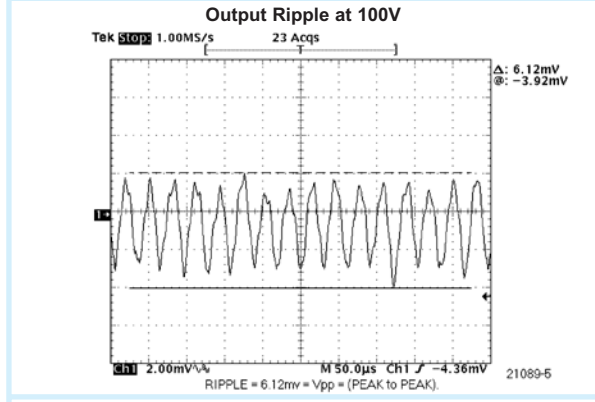
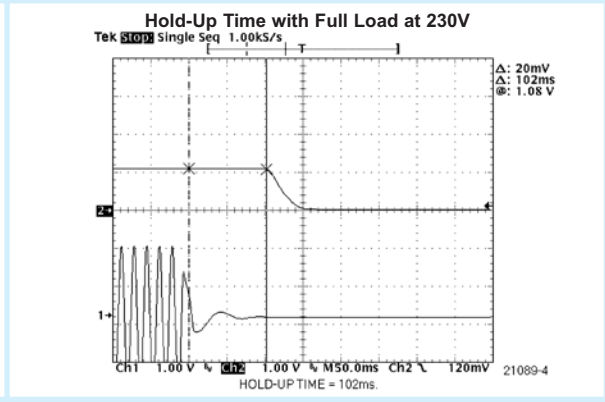
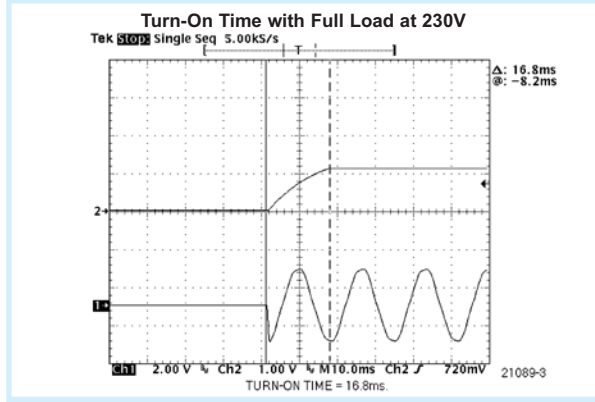
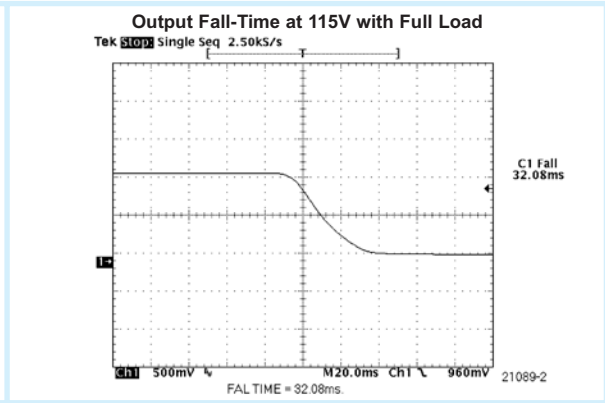
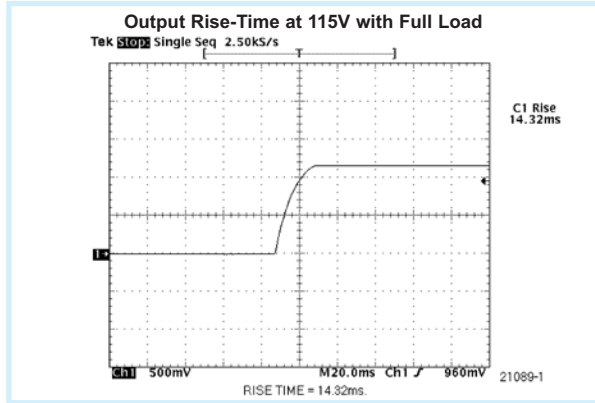


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

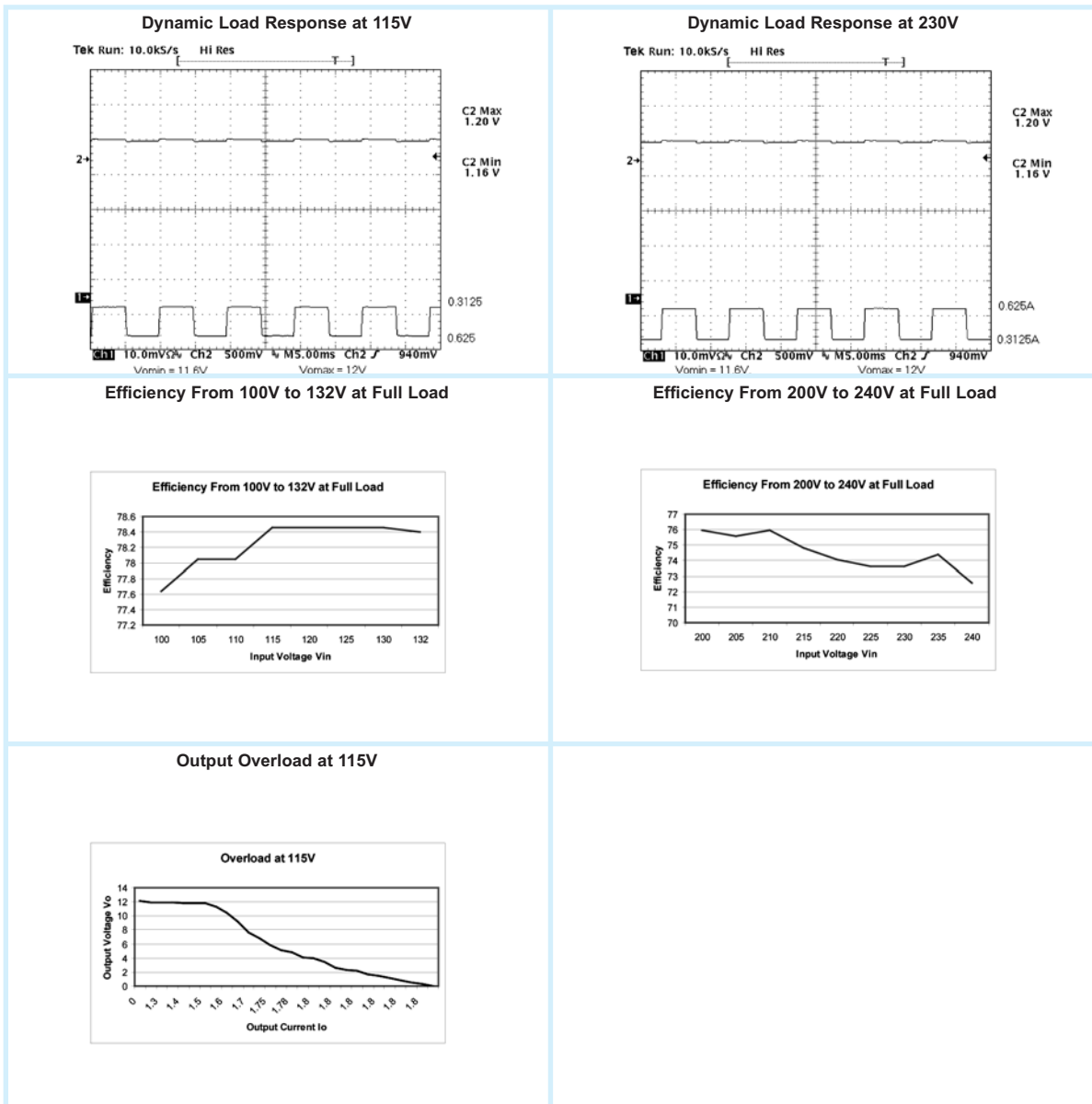


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

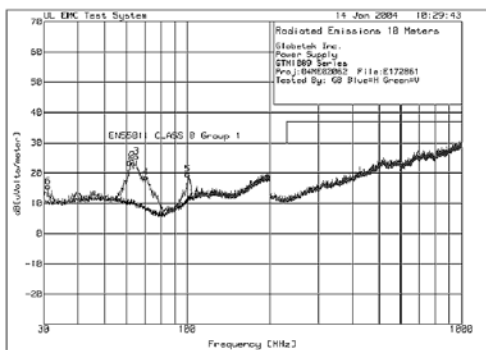
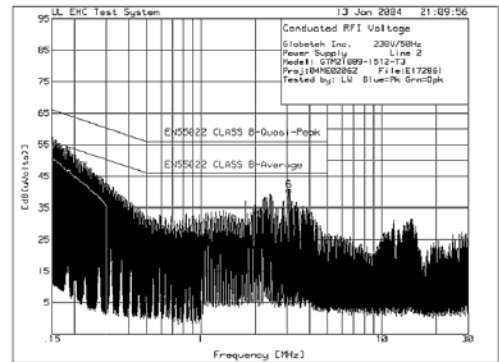
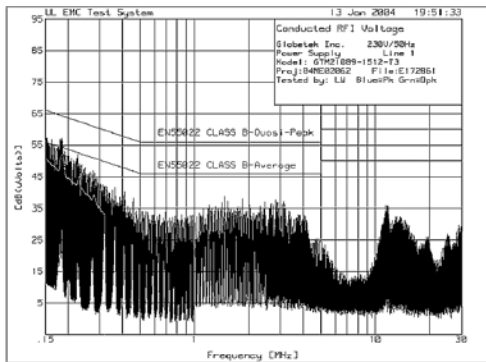
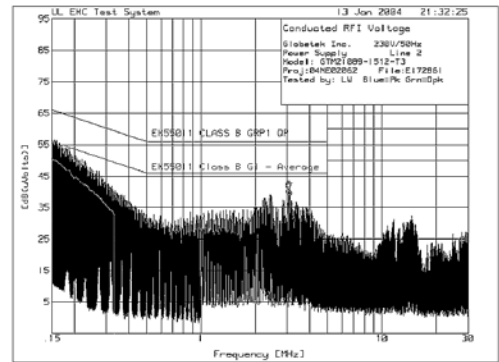
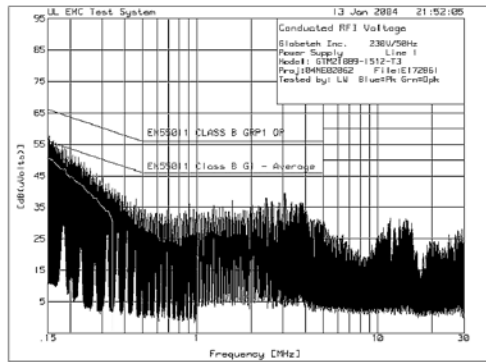


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

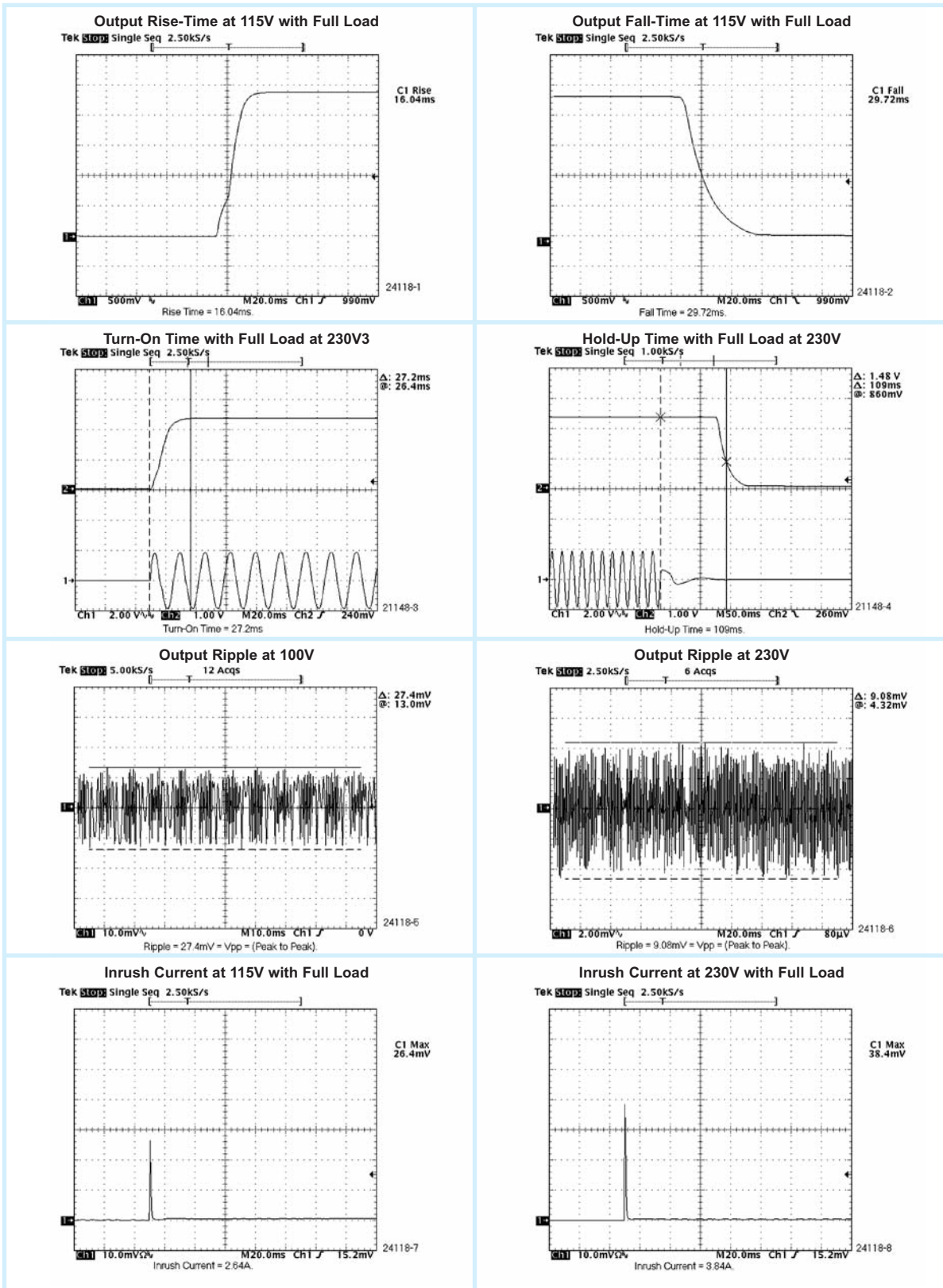


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

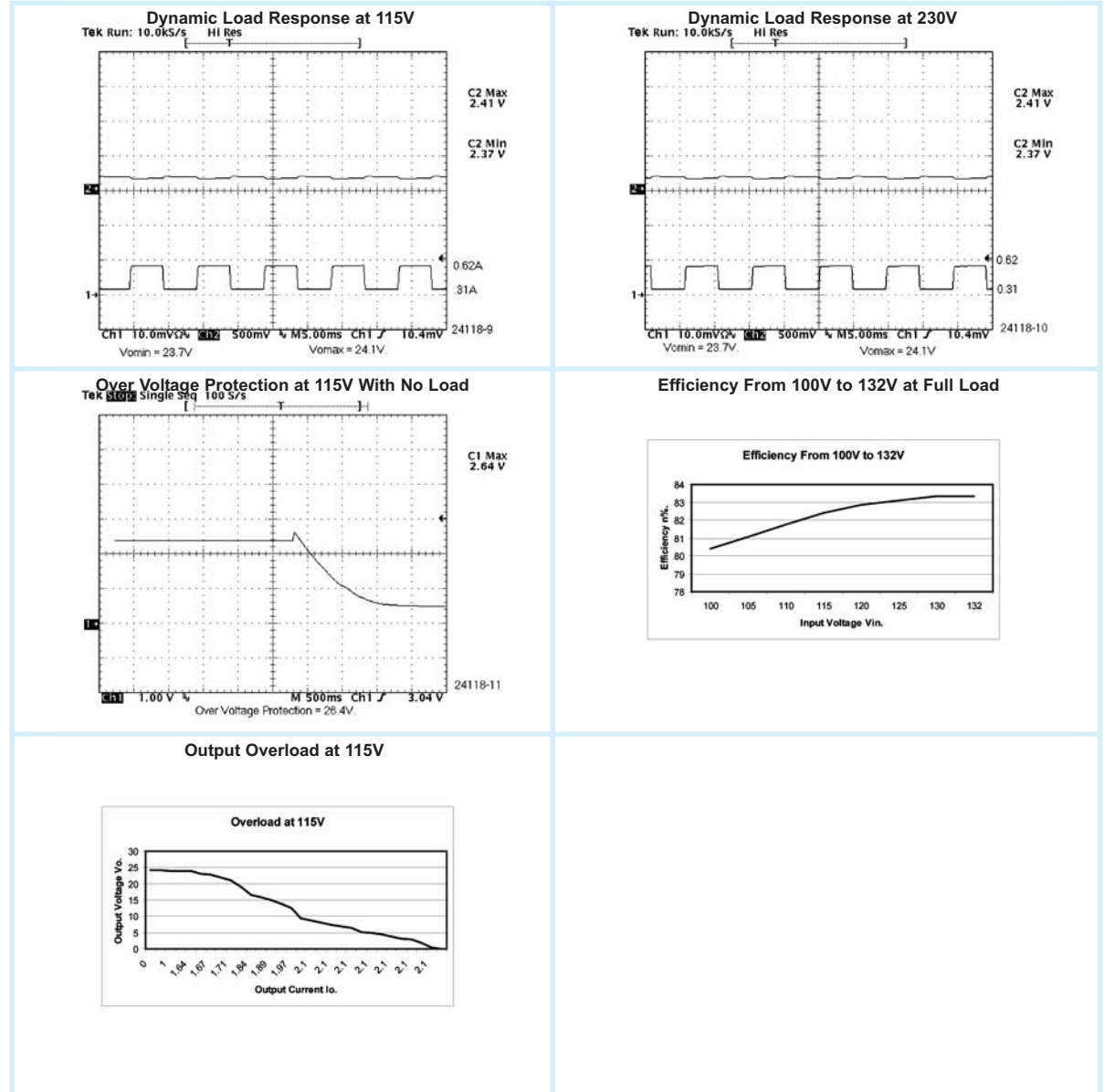


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

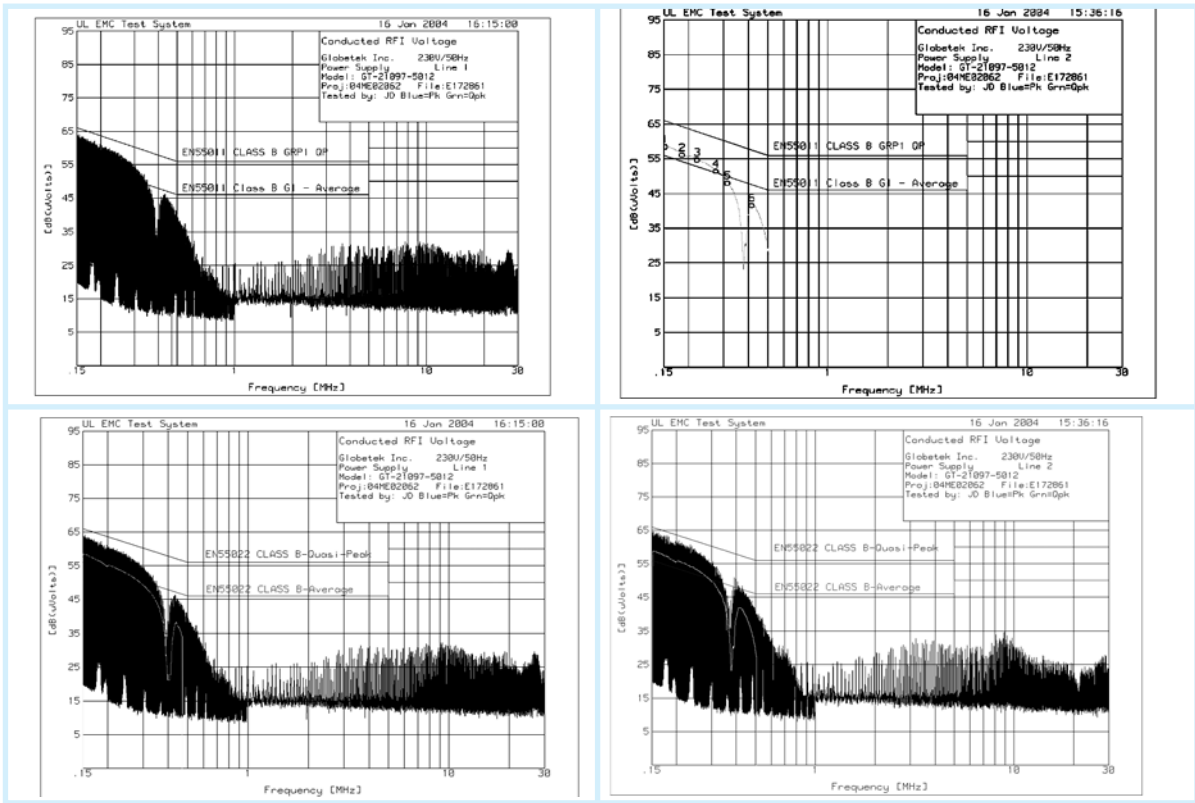


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

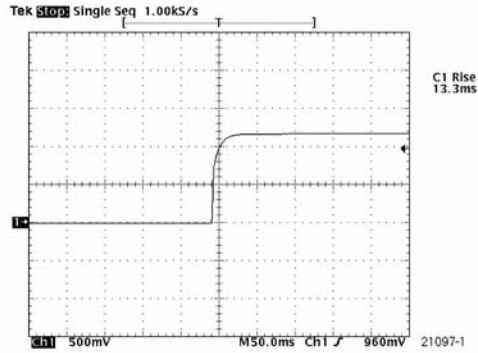


ISO 9001:2008
REGISTERED

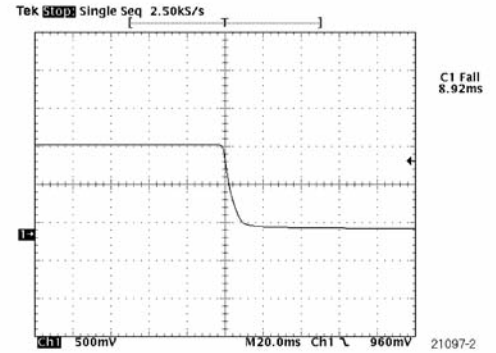
Electrical Performance Curves



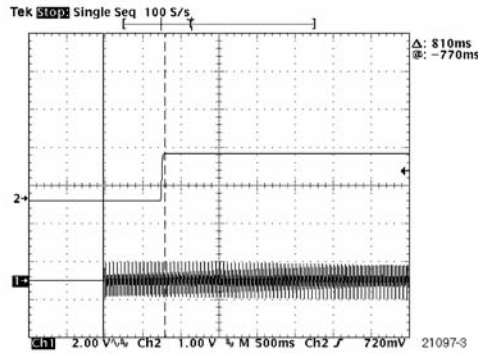
Output Rise-Time at 115V with Full Load



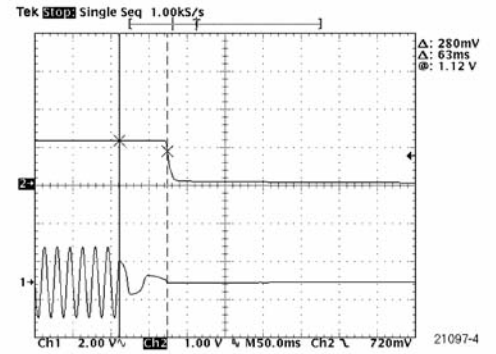
Output Fall-Time at 115V with Full Load



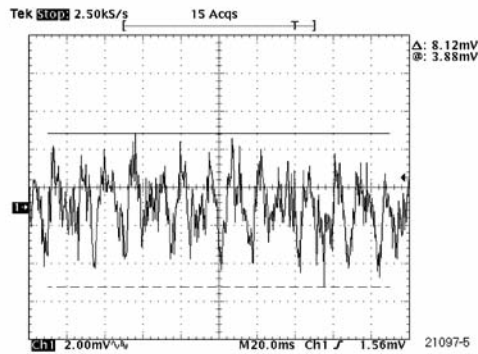
Turn-On Time with Full Load at 230V



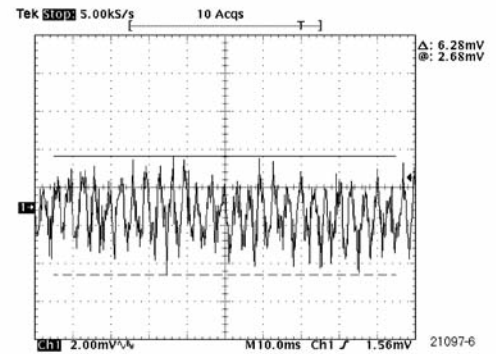
Hold-Up Time with Full Load at 230V



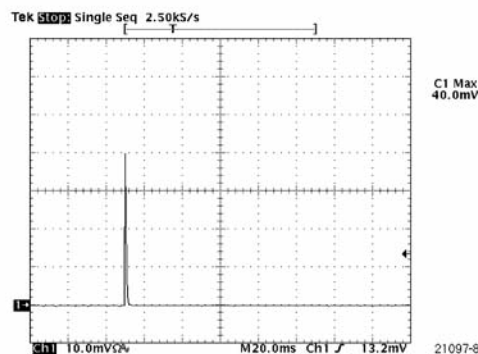
Output Ripple at 100V



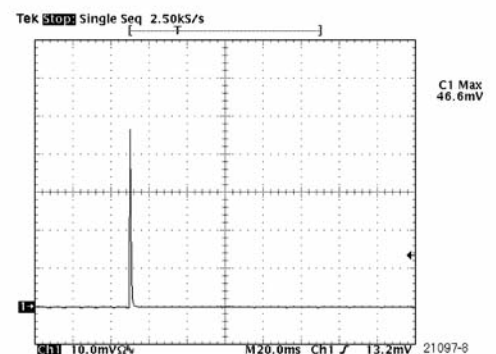
Output Ripple at 230V



Inrush Current at 115V with Full Load



Inrush Current at 230V with Full Load



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

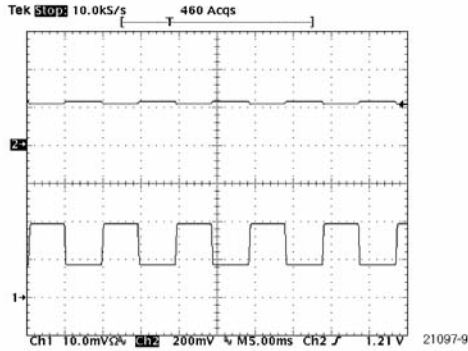


ISO 9001:2008
REGISTERED

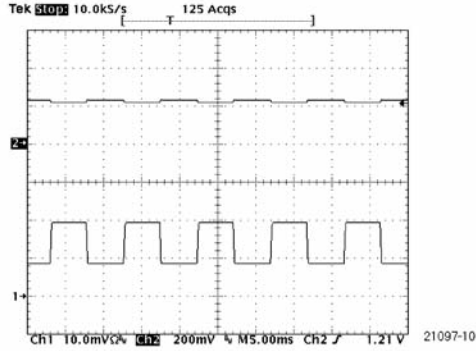
Electrical Performance Curves



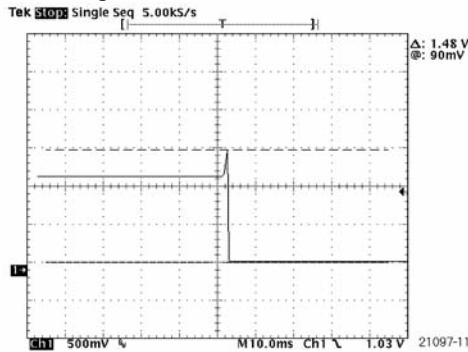
Dynamic Load Response at 115V



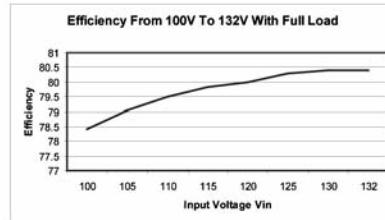
Dynamic Load Response at 230V



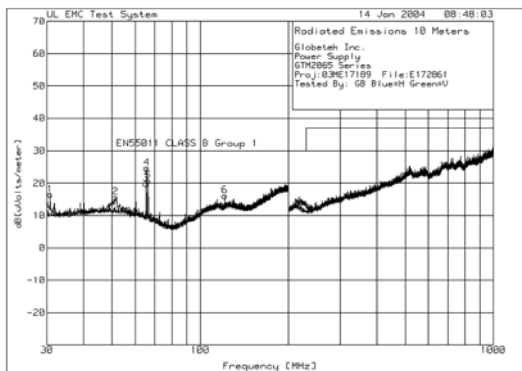
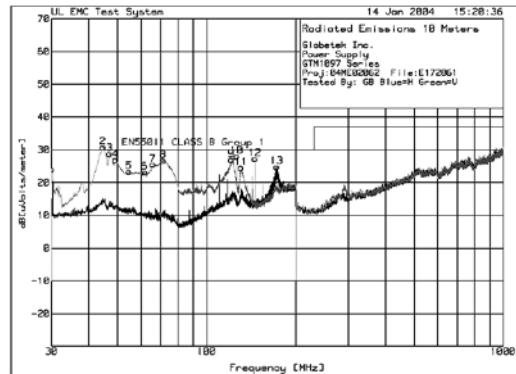
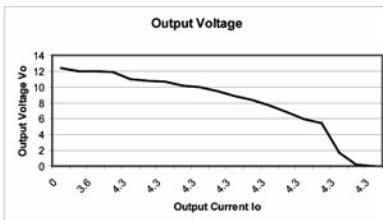
Over Voltage Protection at 115V With No Load



Efficiency From 100V to 132V at Full Load



Output Overload at 115V

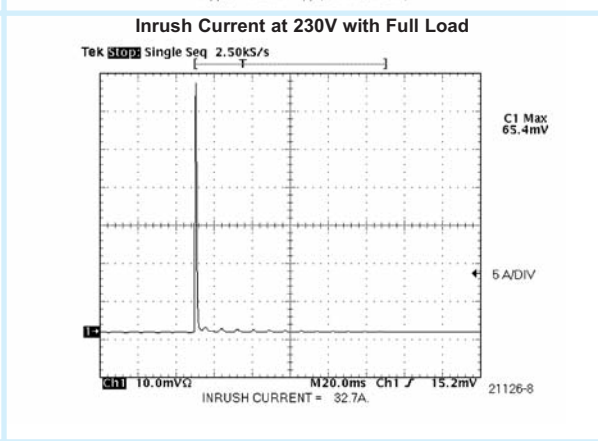
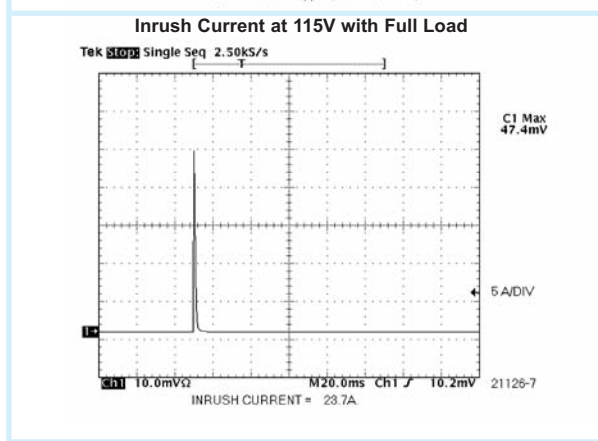
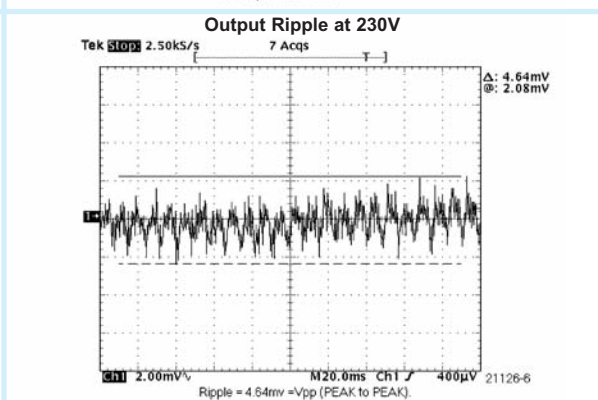
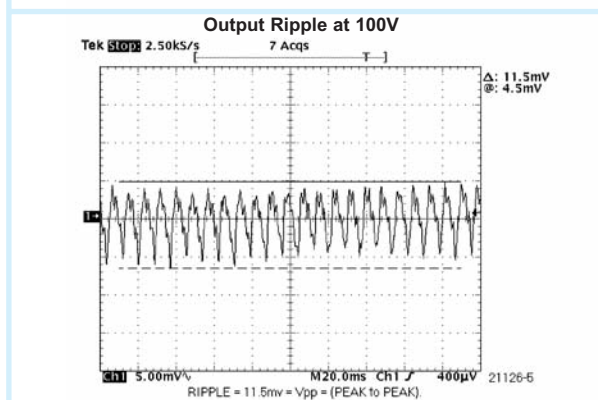
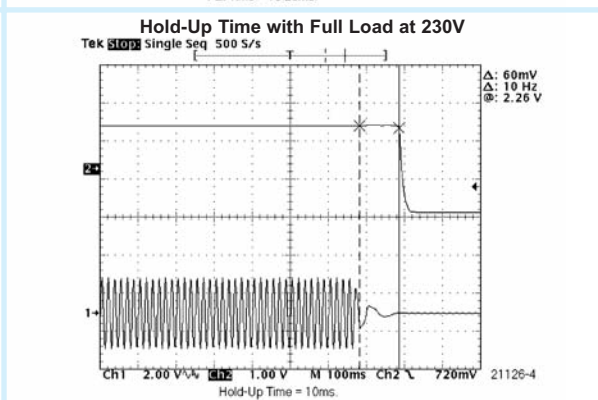
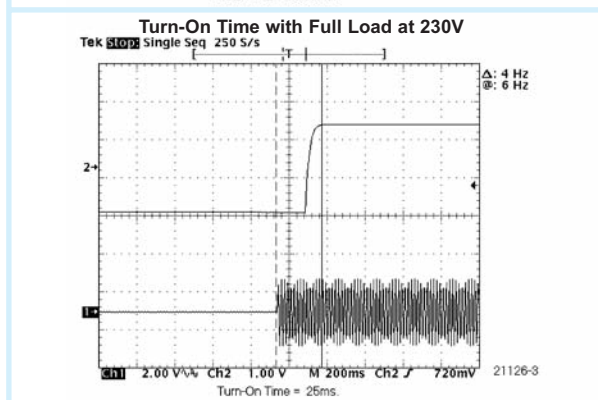
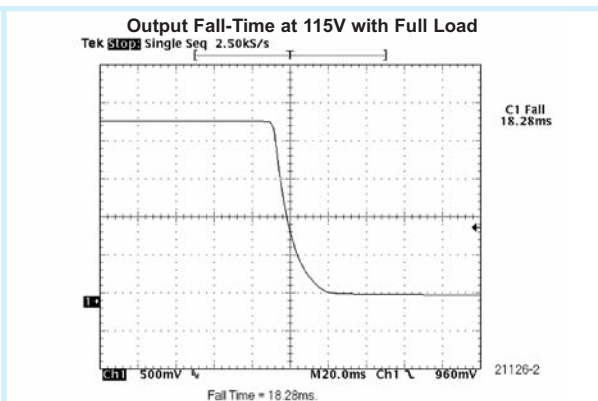
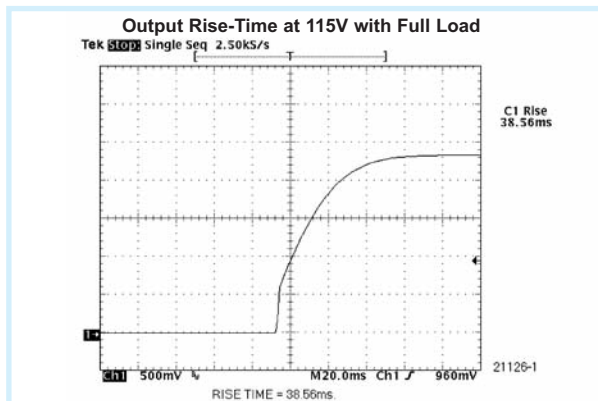


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

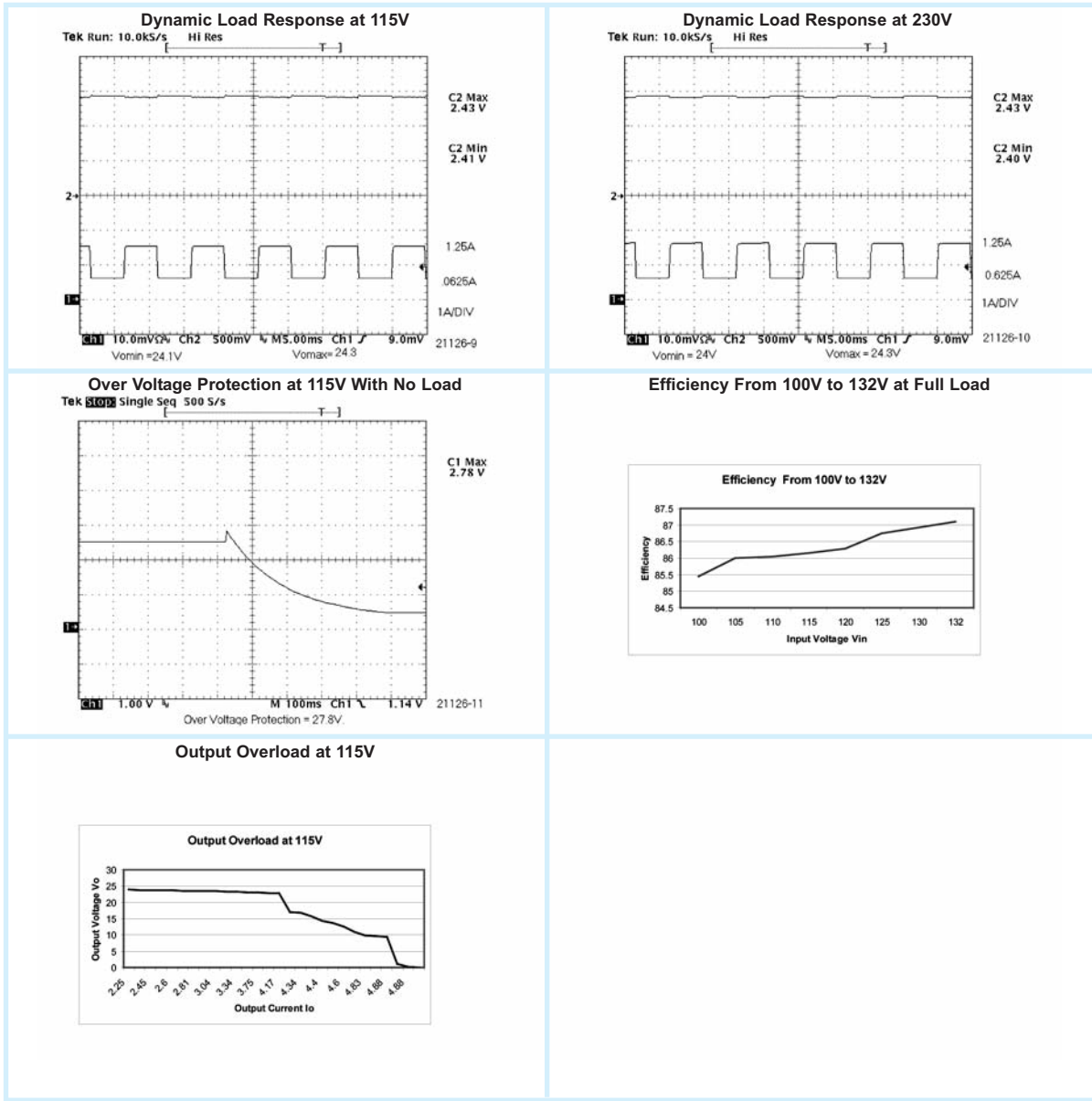


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

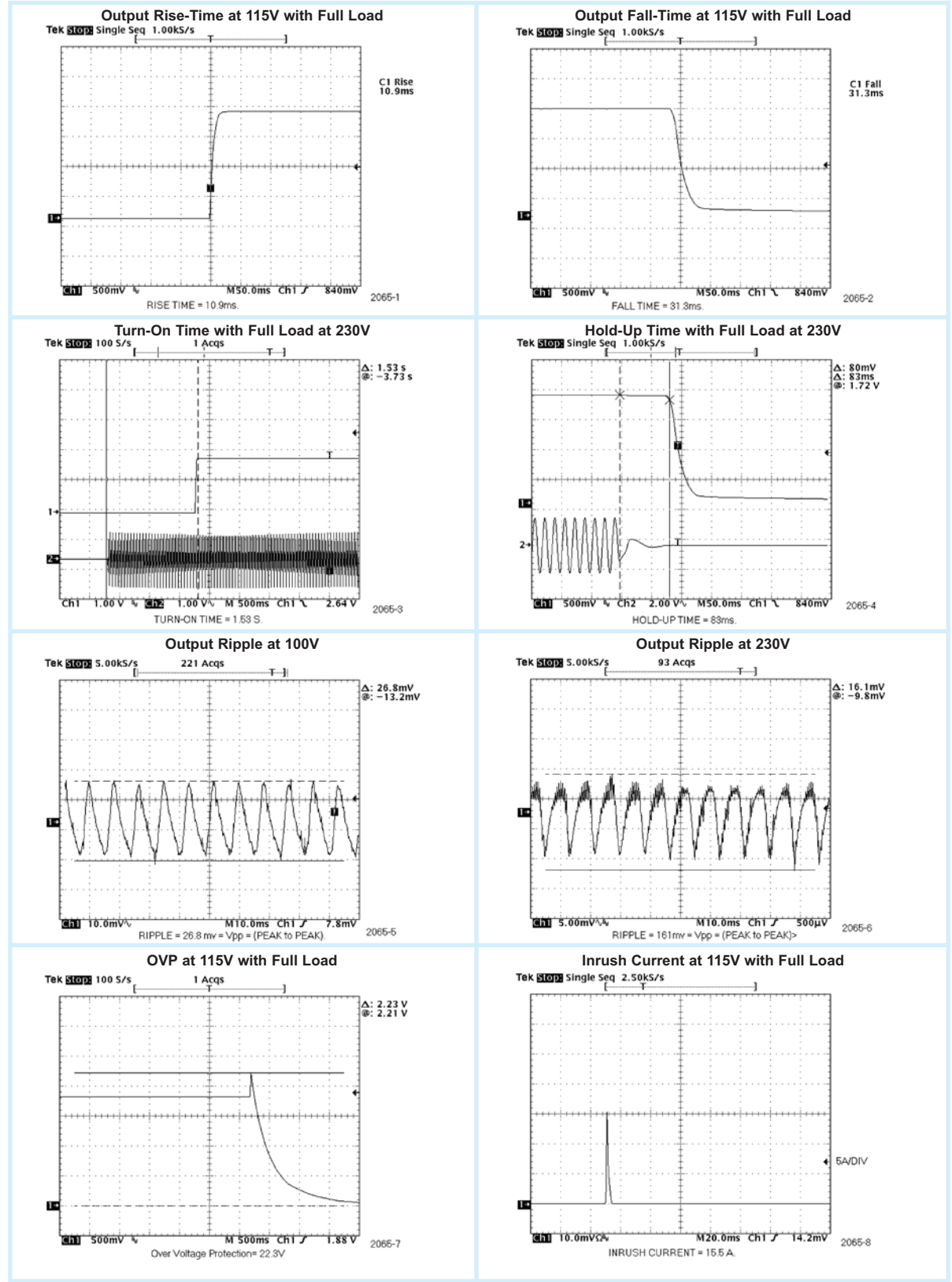
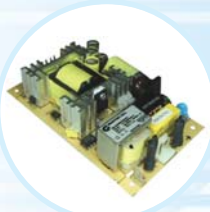


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

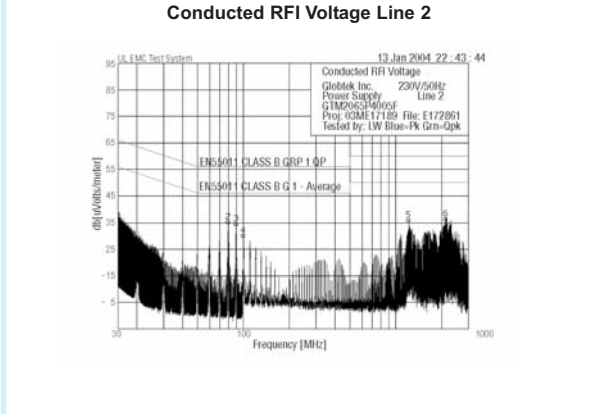
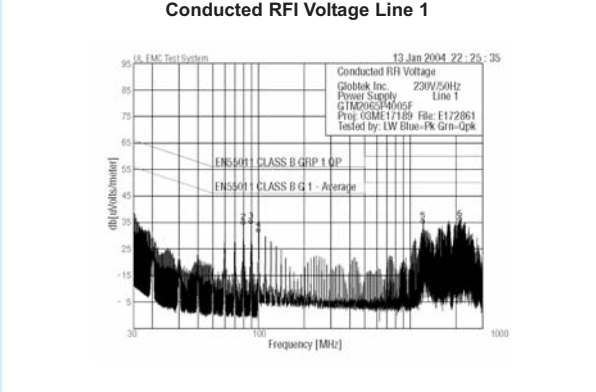
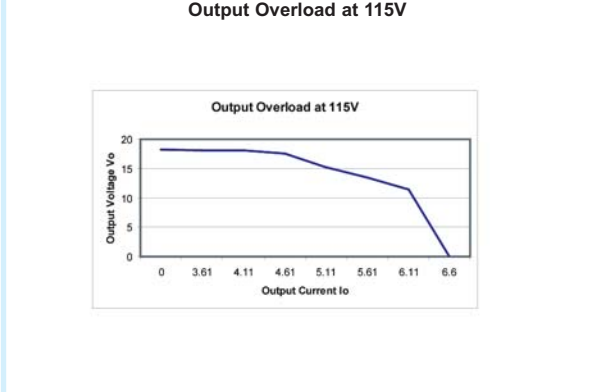
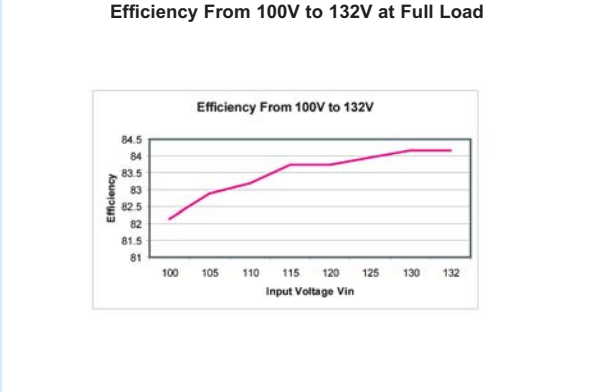
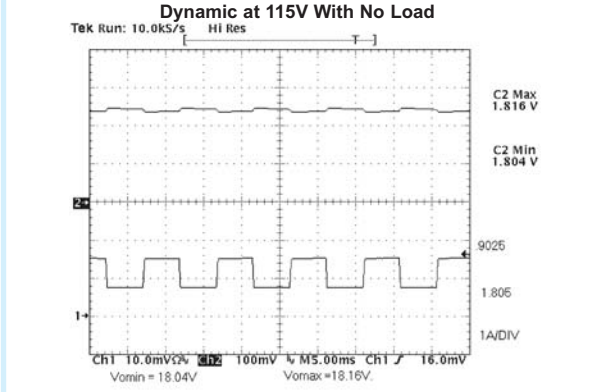
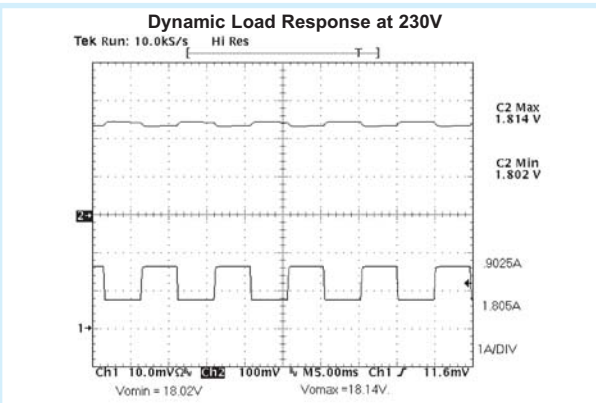
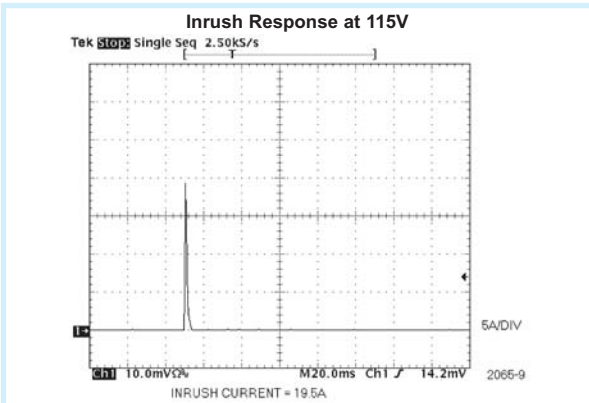
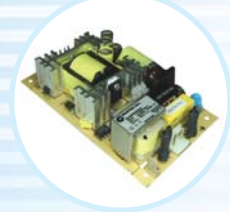
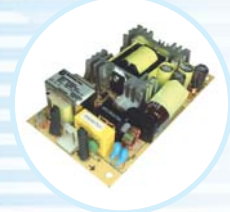
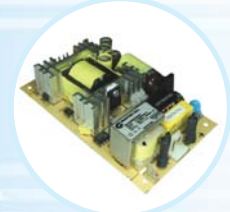
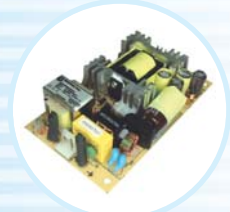
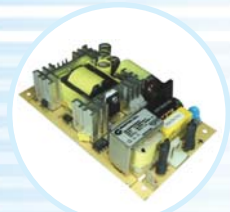


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves

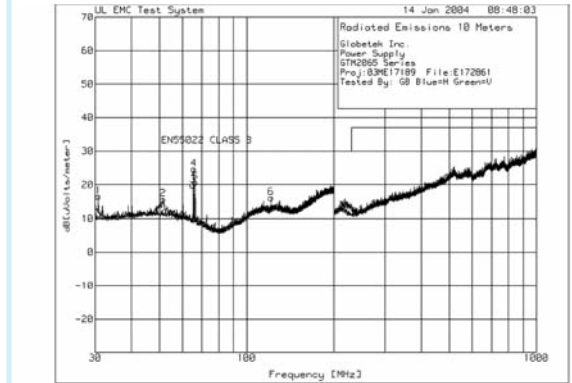
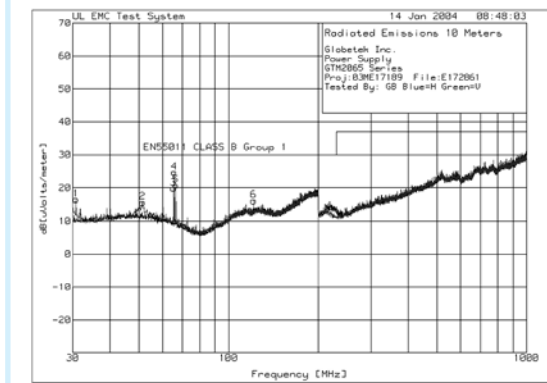
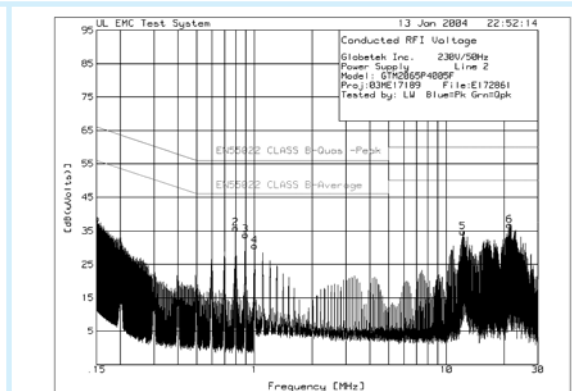
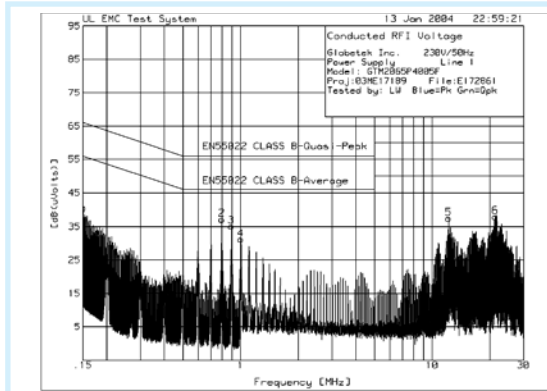


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.

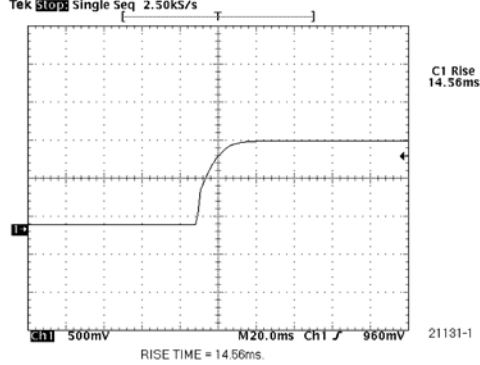


ISO 9001:2008
REGISTERED

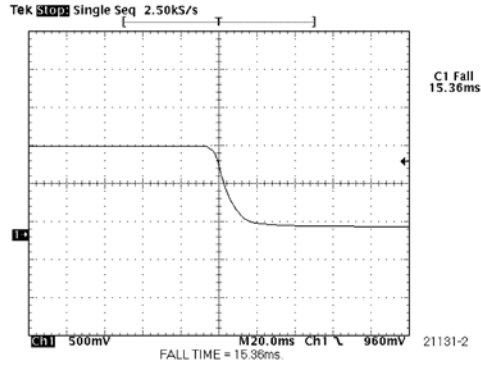
Electrical Performance Curves



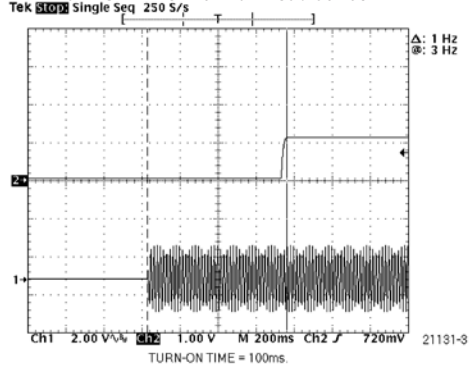
Output Rise-Time at 115V with Full Load



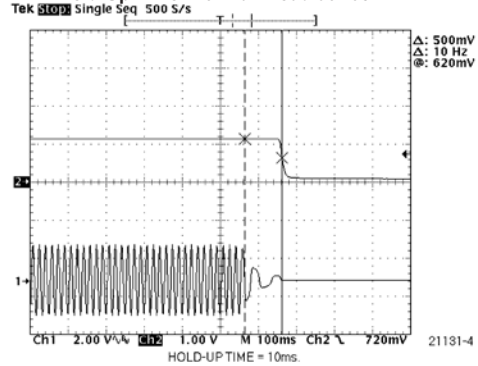
Output Fall-Time at 115V with Full Load



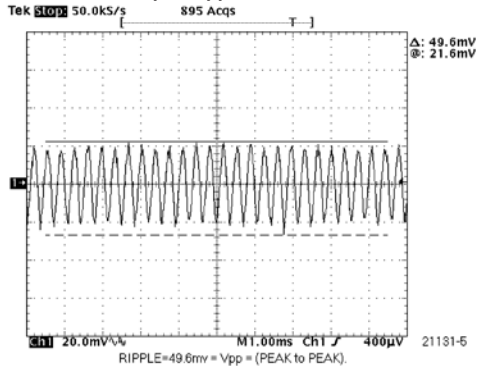
Turn-On Time with Full Load at 230V



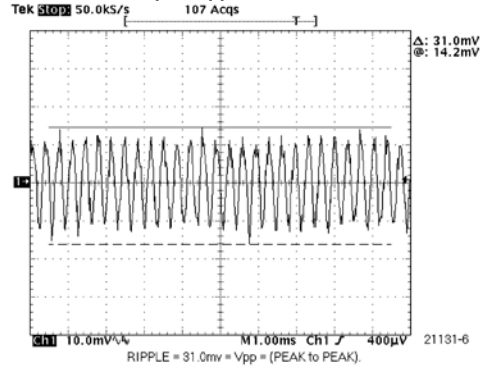
Hold-Up Time with Full Load at 230V



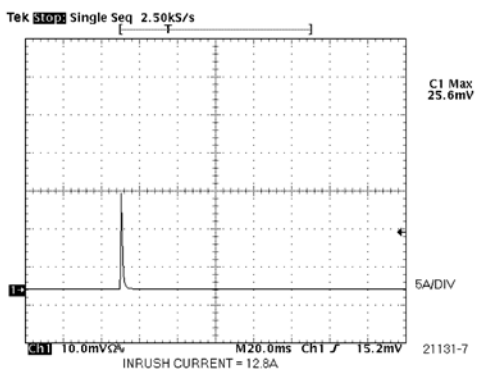
Output Ripple at 100V



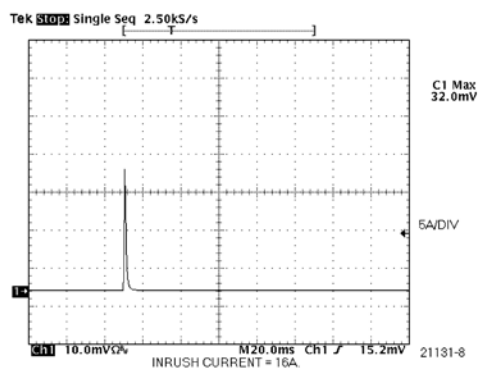
Output Ripple at 230V



Inrush Current at 115V with Full Load



Inrush Current at 115V with Full Load

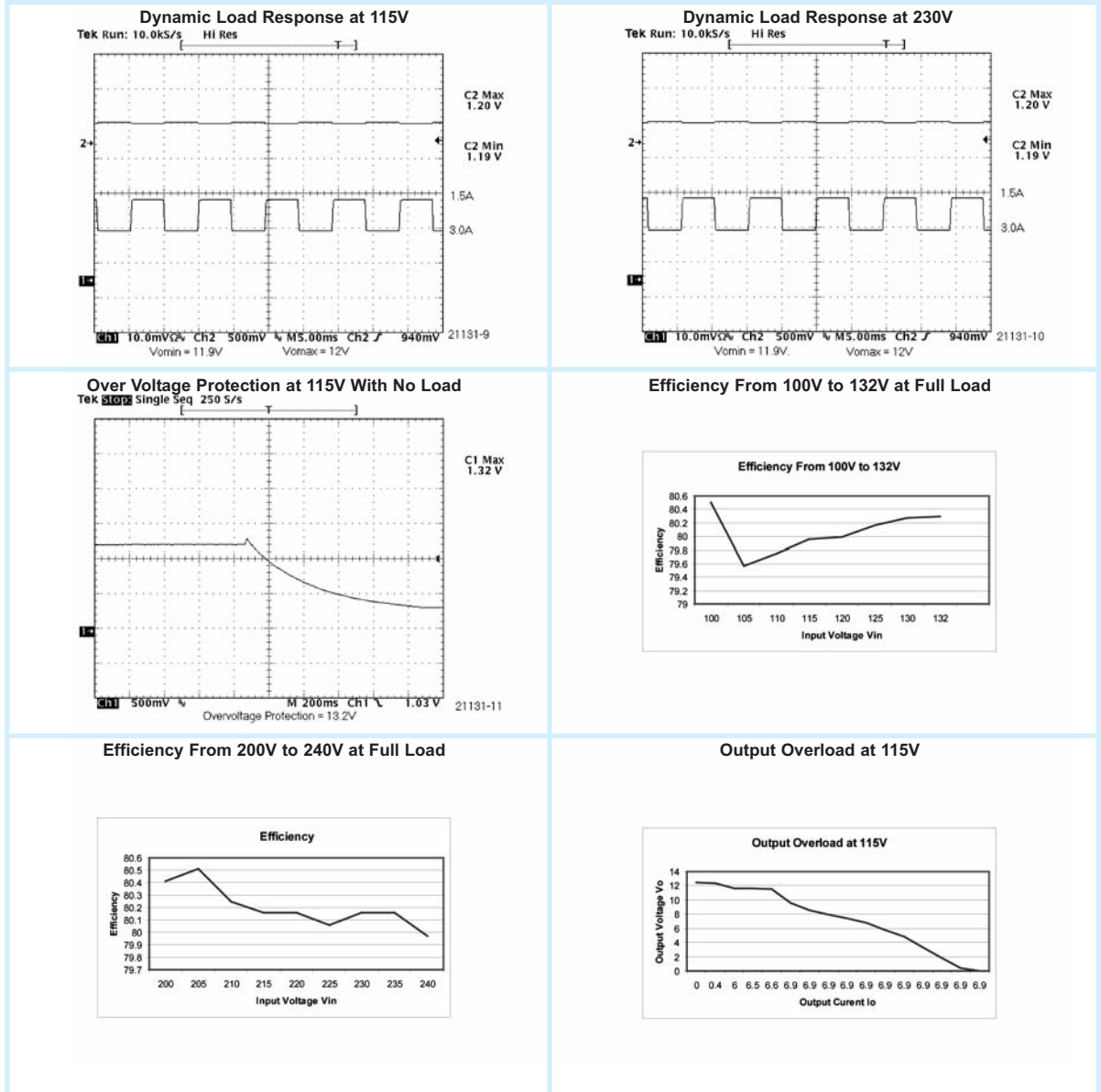


SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Electrical Performance Curves



SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



A

Absolute Maximum Ratings - Specifications that, if exceeded, could cause permanent damage to the converter. These are not continuous ratings, and proper operation is not implied.

Adaptor - External Power Supply, desktop or wall plug-in, linear unregulated or regulated.

Aging - operating a converter under controlled conditions for a predetermined time in order to screen out failures. Also see Burn-in.

Ambient Temperature - The room temperature, or effective temperature of the environment in which the power supply is operating.

Auto-Parallel or automatic parallel operation - A parallel connection of the outputs of two or more supplies used for obtaining a current output greater than that obtainable from one supply.

Auto-Series or automatic series operation - A series connection of the outputs of two or more power supplies used for obtaining a voltage greater than that obtainable from one supply.

B

Basic Insulation - According to international safety standards (eg. UL60950, EN60950) basic insulation provides basic protection against electric shock.

Battery Backup - Subsystem for electronic equipment that provides power in the event of input power loss.

Breakdown Voltage - The maximum AC or DC Voltage which may be applied from input to output and/or chassis of a power supply without causing damage.

Burn-in - Operation of manufactured converter for some period of time prior to shipment. The intent is to stabilize the converter and eliminate infant mortality by aging the device.

C

CFM - Cubic feet per minute, which is a measure of the volume of air flowing in a system.

Canadian Standards Association (CSA) - Independent organization that establishes and tests safety standards for electronic components and systems for the Canadian marketplace.

Case - See Enclosure.

Case Temperature - Temperature of the case when the converter and surrounding system are operating normally. Often used as a specification for converters with extended temperature ranges. Case temperature is

at times referred to as Base Plate Temperature.

Common - Conductive path used as a return for two or more circuits. The term "common" is often used interchangeably with ground, which is not technically correct unless it is connected to earth. Also see Ground.

Common Mode Noise - Noise component that is common to both the converter out-put and return lines with respect to the input ground.

Conducted EMI - Also called radio frequency interference (RFI) EMI is unwanted high-frequency energy caused by the power transformers, rectifiers and other switching semiconductors. That portion that is present on the input and output lines is known as Conducted EMI. Most Conducted EMI measurements are done between 150KHz and 30MHz.

Conduction Cooled - Cooling a converter via a solid material. Cools a power converter by adding a heat sink or attaching a module to the system chassis or thermally conductive plastic enclosure.

Constant Current Power Supply - A regulated power supply which acts to keep its output current constant in spite of changes in load, line, or temperature. Thus, for a change in load resistance, the output current remains constant to a first approximation, while the output voltage changes by whatever amount necessary to accomplish this.

Constant Voltage Power Supply - A regulated power supply which acts to keep its output voltage constant in spite of changes in load, line, or temperature. Thus, for a change in load resistance, the output voltage of this type of supply remains constant to a first approximation, while the output current changes by whatever amount necessary to accomplish this.

Constant Voltage/Constant Current (CV/CC) with automatic crossover - A power supply which acts as a constant voltage source for comparatively large values of load resistance and as a constant current source for comparatively small values of load resistance. The automatic crossover or transition between these two modes of operation occurs at a "critical" or "crossover" value of load resistance.

Constant Voltage/Current Limiting (CV/CL) with automatic crossover - The same as CV/CC operation except for a slightly poorer regulation characteristic for low values of load resistance, i.e., in the "constant current" region of operation.

Convection Cooled - Cooling of the converter via the movement of air over the surface of its heat dissipating components. "Free-air

convection" means that the natural movement of air (unassisted by fan or blower) is sufficient to maintain a converter within specified operating limits.

Cross Regulation - For a multiple output converter, the change in voltage on one output (expressed as a percent) caused by a load change on another output.

Crowbar - Circuit that crowbars or rapidly shuts down a converters output if a preset voltage level is exceeded. The circuit places a low resistant shunt across the output when an overvoltage condition exists.

Current Limiting - Feature that protects the converter (or load) from damage under overload conditions. The maximum converter output current is automatically limited to a predetermined, safe value. If the converter is specified for auto restart, normal operation is automatically restored when overload condition is removed.

Current Limit Knee - On a plot of output voltage vs current, the point at which current begins to limit (or foldback).

D

Derating - The specified reduction in an operating parameter to improve reliability. Generally for power supplies, it is the reduction in output power at elevated temperatures.

Dielectric - Material used to prevent two points in an electrical circuit from becoming conductively connected. Sometimes called a dielectric barrier.

Dielectric Withstand Voltage - Maximum voltage an insulating material can withstand before breaking down (suffering punch through or arcing). Also see Break Down Voltage and High Potential Test.

Differential Mode Noise - Noise component measured between two points with respect to a common point (minus common mode noise).

Drift - Change in the output voltage of a converter over a specified period of time. All other operating parameters (load, line, etc.) are assumed to be held constant. Often specified as starting after a warm-up period.

Dynamic Load - Output Load that changes Rapidly. Normally Specified as both a load change value and a rate of change.

Dynamic Response - Output overshoot that occurs when the converter output load is turned on/off or abruptly changed. This overshoot gives the high frequency output impedance of the converter. Also see Output impedance.



ISO 9001:2008
REGISTERED

E

Efficiency - Ratio of total output to input power expressed as a percentage. Efficiency is normally measured at full rated output power and nominal input line conditions.

Electromagnetic Interference (EMI) - Noise generated by a converter (typically by the noise generators action of the adaptor.) Usually specified as meeting agency limits for conducted EMI (noise reflected back at the power bus) or radiated EMI (noise emitted into the area surrounding a converter).

Electrostatic Discharge (ESD) - Current produced by two objects having a static charge when they are brought close enough to produce an arc or discharge.

Electrostatic Shield - See Faraday Shield

EMI Filter - Filter placed at the input to a converter that minimizes the effect of EMI on the converter and the associated system.

Enclosure - Case or container used to package in small plastic or metal cases that protect the internal components from the outside environment and also improve thermal and noise performance.

Equivalent Series Inductance (ESL) - Inductance in series with an "ideal" capacitor. Sources include leads, terminals, electrodes etc.

Equivalent Series Resistance (ESR) - Resistance in series with an "ideal" capacitor. Sources include lead resistance, terminal losses, etc. An important specification for high frequency applications

F

Failure Mode - Reason for which a converter either does not meet or stops meeting its specified parameters.

Faraday Shield - Electrostatic shield that reduces coupling capacitance in transformers. The shield, which effectively reduces output common mode noise, is placed between the primary and secondary windings of a transformer.

Fault Mode Current - Input Current drawn by a converter when the output is shorted.

Federal Communications Commission (FCC) - US government agency that sets standards for, and governs the testing of conducted and radiated emissions. These are system level standards, but they are typically used in specifying converters.

Floating Output - Converter output that is ungrounded and not referenced to another output. Typically, floating outputs are fully isolated and may be referenced positive or negative by the user. Outputs that are not

floating share a common return and as such, are referenced to one another.

Foldback Current Limiting - Converter Protection Technique. The circuit is protected under overload conditions by reducing the output current as the load approaches short circuit. This minimizes internal power dissipation under short circuit conditions.

Forced Air Cooling - Use of a fan (or other air moving equipment) within a (sub) system to move air across heat producing components in order to reduce ambient temperature. Also called forced convection.

Free Convection - Operating environment where the natural movement of air (assisted by fans or blowers) maintains the power module within its operating limits. Also called natural convection.

Front End - A particular type of AC DC Converter (usually high power) used in Distributed Power Architecture (DPA) systems that provide the DC voltage that is bussed around the system. The bussed voltage is usually +24 VDC or 48 VDC.

Full Load - Maximum value of output load specified for converter under continuous operating conditions.

G

Ground - Electrical connection that is made to earth (or to some conductor that is connected to earth). A converter common is not usually ground unless it is also connected to earth. Also see common

Ground Loop - Condition Caused when two or more ground system components share a common electrical ground line. A feedback loop is unintentionally induced, causing unwanted voltage levels.

H

Heat Sink - Metal Plate, extrusion, case, etc. used to transfer heat away from sensitive components and or circuits.

High Line - Maximum value of input line voltage specified for normal converter operation.

Hi-Pot Test - High Potential Test. A test to determine if the breakdown voltage of a transformer or power supply exceeds the minimum requirement. It is performed by applying a high voltage between the two isolated test points.

Hold-Up Time - The time during which a power supplies output voltage remains within specification following the loss of input power.

Hot Plug-In - A common requirement in distributed power systems wherein the power board must be capable of being connected/disconnected from the power bus without damage. Power board components

must be protected against the resultant high inrush currents.

I

Input Current - Current drawn from the input power bus by a converter when operating under nominal conditions.

Input Line Filter - Low-pass or Band-reject filter on the converter input (internal or external) that attenuates noise introduced into the converter from the power bus.

Input Transient - Spike or step change in the input to the converter. Input transient protection circuits are used to shield sensitive components (such as the semiconductor switch) from possible damage due to transients.

Input Voltage Range - Minimum and maximum input voltage limits within which a converter operates to specifications.

Inrush Current - Maximum, instantaneous input current drawn by a converter during turn on. Also called input Surge Current.

Inrush Current Limiting - Protection circuit that limits the current a converter draws at turn on.

Insulation - Non-conductive material used to protect and separate electronic components or circuits.

Insulation Resistance - Resistance offered by an insulating material to current flow.

International Power Dissipation - Power dissipated (as heat) within the converter during normal operations. Primarily a function of the power handling capability and efficiency of the converter. Internal power dissipation is normally given as a maximum specification that cannot be exceeded without risking damage to the converter.

International Electrotechnical Commission (IEC) - Organization based in Switzerland that sets standards for electronic products and components. IEC does not conduct any testing; however, their standards have been adopted by many of the national safety/standards agencies.

Isolation - Electrical separation between the input and output of a converter. Normally determined by transformer characteristics and component spacing.

Isolation Voltage - Maximum voltage (AC or DC) that can be continuously applied between isolated circuits without a breakdown occurring. On converters, this is normally specified as input-output or input-case isolation. Minimum isolation voltage levels must be maintained to meet most safety regulations.



- L**
- Leakage Current** - Current flowing from input to output or input to the enclosure of an isolated converter at a specified voltage level.
- Life Test** - Reliability test in which a converter is operated (typically under accelerated conditions) over some period of time in order to approximate its life expectancy.
- Line Regulation of a constant current power supply** - The change in the static value of DC output current resulting from a change in AC input voltage from low line to high line or from high line to low line.
- Line Regulation of a constant voltage power supply** - The change in the static value of DC output voltage resulting from a change in AC input voltage from low line to high line or from high line to low line.
- Linear Regulation** - Power supply regulation technique in which the regulating device (typically a transistor) is placed in series or parallel with the load. Voltage variations across the load are controlled by changing the effective resistance of the regulating device to dissipate unused power.
- Load** - Electronic components/circuits connected to the output pins of a converter. The characteristics (resistance, reactance, etc.) of the load determine the amount of power drawn from the converter.
- Load Decoupling** - Placement of filter components (typically μF capacitors) at the power terminals of the load in order to reduce noise.
- Load Regulation of a Constant Voltage Power Supply** - The change in the static value of DC output voltage resulting from a change in load resistance from short circuit to a value which yields maximum rated output current.
- Local Sensing** - Using the output terminals of the converter to provide feedback to voltage regulation circuits.
- Logic Inhibit/Enable** - Signal (typically TTL/CMOS compatible) used to turn a power supply output on/off. Also called Remote On/Off.
- Long Term Stability** - Change in output voltage of a converter over time with all other factors (line, load, temp., etc.) remaining constant. Expressed as a percent, the output change is primarily due to component aging.
- Low Line** - Minimum value of input line voltage specified for normal converter operation.
- M**
- Master/Slave Operation** - Connection of two or more converters so one (master) controls the operation of the others (slaves).
- Master/slave configurations are used to provide higher output power, wider input voltage ranges, synchronized operation. Also see Auto-Parallel and Auto-Series Operations.
- Maximum Load** - Highest amount of output load allowable under the continuous operating specifications of a converter.
- Mean Time Between Failure (MTBF)** - Unit of measure, expressed in hours, that gives the relative reliability of a converter. MTBF data is based upon actual operating data (demonstrated) or derived per the conditions of MIL-HDBK-217F (calculated).
- Minimum Load** - Minimum amount of output load required on a converter in order to maintain normal continuous operating specifications.
- Minimum Operating Temperature** - Minimum ambient temperature at which a converter will start and operate within specifications.
- N**
- N+1 Redundancy** - A paralleled power system configuration used in distributed power systems. Requires that at least one more current sharing converter module than is necessary be used to power a load. If one module fails the remaining will still supply the load current without interruption.
- No Load Voltage** - Voltage Level present at the output pins of a converter when 0% load is applied.
- Noise** - Unwanted variations in the converter output, normally called "Ripple and Noise" and given as a peak-to-peak value with a specified band width.
- Nominal Value** - Ideal value that is used as a reference point. Typically, it is not the same as the value actually measured.
- O**
- Open-Circuit Voltage** - See No Load Voltage.
- Open Frame** - A type of power supply which is not encased in a metal or plastic shell or frame and subsequently is not covered with a potting compound. Open Frame converters are easily identified as their component parts are visible.
- Operating Temperature Range** - Range of temperatures over which a converter can be operated safely within specified limits. Normally specified as ambient, however, at times case or base plate temperature are also used.
- OTP: Over Temperature Protection** - A protection system for converters where the converter shuts down if the ambient temperature exceeds the converters ratings. OTP is intended to save the converter and any downstream equipment in the event of a catastrophic failure of a fan or such. OTP usually measures the hottest item on board the converter rather than ambient temperature.
- Output Current Limiting** - An output protection feature which limits the output current to a predetermined value in order to prevent damage to power supply or the load under overload conditions. The supply is automatically restored to normal operation following removal of the overload.
- Output Impedance of a power supply** - At any given frequency of load change, $E_{\text{OUT}}/I_{\text{OUT}}$. Strictly speaking the definition applies only for a sinusoidal load disturbance, unless, the measurement is made at zero frequency (DC). The output impedance of an ideal constant voltage power supply would be zero at all frequencies, while the output impedance for an ideal constant current power supply would be infinite at all frequencies.
- Output Voltage** - Value of DC voltage measured at the output terminal of a converter.
- Output Voltage Accuracy** - Maximum allowable deviation of the DC output of a converter from its ideal or nominal value. Expressed as a percentage of output value. Often called output voltage tolerance.
- Output Voltage Range** - Minimum and maximum output voltage limits within which a converter meets its operating specifications.
- Overload Protection** - An output protection feature which limits the output current of a power supply under overload conditions so that it will not be damaged.
- Overshoot** - Transient change in output voltage that exceeds specified accuracy limits. Typically occurs on converter turn on/off or with a step change in output load or input line.
- Overvoltage Protection (OVP)** - Output monitoring circuit activated if a preset voltage level is exceeded. Depending on the type of circuit used, the OVP shuts the converter down, "crowbars" the faulty output or switches the converter to a different operating mode.
- P**
- Parallel Operation** - Operating mode in which two or more power supplies are connected in parallel. The output currents are summed together in a single load, providing a higher level of output power than that available from a single unit. Parallel operation requires models specifically designed to share loads. Also see Master-Slave Operation.
- Periodic and Random Deviation (PARD)** - Noise and ripple voltage superimposed on a converter's DC output. Typically specified at full load, it is expressed in peak-to-peak or RMS volts over a given bandwidth.

SPECIFICATIONS MAY CHANGE WITHOUT PRIOR NOTICE. CONSULT GLOBTEK CUSTOMER SERVICE FOR LATEST SPECIFICATIONS.



ISO 9001:2008
REGISTERED

Pi Filter - Input filter consisting of two capacitors connected in parallel with a series inductance. Often used in converters to reduce input reflected ripple current.

Polarity - Ability of a converter to produce an output that is positive or negative referenced to ground. Also see Floating Output.

Post Regulation - Output circuit that uses linear regulator to improve line/load regulation and reduce ripple and noise. Post regulation adds expense and degrades converter supply efficiency.

Power Density - Ratio of converter output power to converter volume.

Power Factor Correction - Design technique usually applied to the input of converters that improves the converter's power factor and minimizes harmonics generated by the converter onto the AC power line.

Power Good - Signal (typically a visible LED) that indicates the DC output of the primary channel of a converter is still present.

Power Rating - Specified power available at the converter output pins.

Pre-Regulation - The regulation at the front end of a power supply, generally by a type of switching regulator. This is followed by output regulation, usually by a linear type regulator.

Primary Circuit - Input side of an isolated converter. See secondary Circuit.

Programmable power Supply - A power supply with an output controlled by an external resistor, voltage or digital code.

R

Radiated EMI - Also called radio frequency interference (RFI), EMI is unwanted high frequency energy caused by the noise generators of the adaptors. That portion that is radiated through space is known as radiated EMI. Most radiated EMI measurements are done between 30MHz and 300MHz.

Rated Output Current - Maximum output current that can be continuously drawn from a converter under specified conditions.

Redundant Operation - Parallel configuration of converters used in distributed power system to increase system reliability. Converters may be used in a "N+1" architecture.

Reference - The stable voltage, generally a Zener diode, from which the output voltage of a regulated supply is controlled.

Regulation - Ability of a converter to maintain an output voltage to within specified limits under varying conditions of input line and output load. Also see Linear Regulation.

Remote Error Sensing or Remote Sensing

- A feature found on power supplies, which, by means of two extra wires between the supply and the load, permits the power supply to achieve its optimum regulation at the load terminals rather than at the power supply output terminals, thus compensating for the IR drop present in the current carrying leads connecting the load to its power supply. The current through the sensing leads is so small that in spite of the resistance of these leads, their voltage drop is negligible.

Remote Programming - A feature of some power supplies which permits control of the regulated output current or voltage by means of a remotely varied resistance or voltage.

Remote Programming Speed - The time (in microseconds) required for the output voltage to change from zero volts to within "X" millivolts of the maximum rated output or from the maximum rated output to within "X" millivolts of zero. "X" is specified separately for each model, generally of the same order as the load regulation specification.

Remote Shutdown - See Logic Inhibit/ Enable

Resolution - For an adjustable supply, the smallest change in output voltage that can be realized by the adjustment.

Return - The name for the common terminal of the output of a power supply; it carries the return current for the outputs.

Reverse Voltage Protection - Converter feature that prevents damage to internal components if a reverse voltage is inadvertently applied to the input or output terminals.

Ripple and Noise - The residual AC component which is superimposed on the DC output of a power supply. Ripple and noise may be specified in terms of its RMS or (preferably) peak-to-peak value. When the peak-to-peak value is specified, it should be accompanied by the maximum bandwidth of the measuring instrument, typically DC to 20 MHz. Measuring ripple and noise with an instrument that has insufficient bandwidth may conceal high frequency spikes detrimental to the load.

S

Secondary Circuit - Output side of an isolated DC-DC converter. Also see primary circuit.

Sense Line - Output line used in a remote sensing connection to route the output voltage (at the load) back to the control feedback loop. Also the Remote Sensing.

Series Operation - Master-slave configuration in which two or more isolated converters are connected to obtain a higher output voltage level (converter inputs connected in parallel) or wider input voltage range (converter inputs connected in series) than that obtain-

able from one module. Also see Master-Slave Operation.

Series Regulator - Linear regulator (internal or external to the converter) placed in series with the load to achieve a constant voltage across the load. This is the most popular method of linear regulation. Also see Linear Regulation, Post Regulation and Shunt Regulator.

Short Circuit Protection - See Current Limit and Foldback Current Limit.

Shunt Regulator - Linear regulator (internal or external to the converter) placed in parallel with the load to achieve a constant voltage across the load. Also see Linear Regulation, Post Regulation and Series Regulator.

Six-Sided Shielding - Converter packaging technique in which the unit is placed into a metal case. The metal shielding minimizes any noise radiation from the converter components. A continuous shielded case has the base (or header) welded on, further reducing potential noise leakage.

Soft Start - Converter input circuit that limits the inrush current at turn on.

Split Bobbin Winding - The method of winding a transformer whereby the primary and secondary are wound side-by-side on a bobbin with an insulation barrier between the two windings.

Stability - This term refers to the instability in power supply output which occurs in the presence of constant load, constant line and constant ambient temperature for a stated period of time (usually 8 hrs.) following warm-up. This small output variation which is related in part to the internal temperature rise of the power supply, is the zero frequency component of noise which must be present in any DC amplifier or regulator, even though all input, output, environmental and control parameters are held constant.

Standby Current - Current drawn by a converter when it has no load and has been shut down by a logic inhibit signal.

Step Change - Sudden change in a converter parameter. Typically used in referring to changes in output load or input line during converter testing.

Storage Temperature Range - Range of ambient temperatures over which a converter can be safely stored.

T

Technischer Überwachungs-Verein (TUV) - Organization approved for testing products to VDE standards. US-based companies often use TUV in place of VDE because they have established facilities in the US.



Temperature Coefficient - For a power supply operated at a constant load and under conditions of constant input AC line voltage, the change in output voltage (for a constant voltage supply) for each degree change in the ambient temperature.

Temperature Range - See Operating Temperature Range and Storage Temperature Range.

Thermal Conductivity - Given materials ability to conduct heat, this is the time rate for heat transfer (via conduction) across a unit material thickness of 1 meter and when the temperature differential of the two opposite faces is 1 deg. K.

Thermal Gasket - Flexible pad or wafer with a very low thermal resistance that is put between a power module base plate and heat sink to ensure the high thermal conductivity across the junction.

Thermal Joint Compound - A fluid or paste spread between the mating surfaces of a power device baseplate and a heat sink or system chassis.

Thermal Protection - Feature that shuts the converter down if the internal temperature exceeds the preset limits. Also called thermal shutdown.

Thermal Resistance - Measure of a given materials opposition to the flow of heat.

Thermal Resistivity - Measure of a materials ability to impede the flow of heat. Typically given in °C T/W, where T is the material thickness and W is the power flowing through the material in watts.

Three-Terminal Regulator - Regulator packaged in a standard 3-terminal transistor package. These devices can be a switching type or a linear shunt or series regulator.

Topology - This refers to the way in which the power handling part of a power supply is configured. Choice of topology influences many of the basic characteristics of a converter.

Tracking - For a multiple output converter the parameter that gives the change in one output voltage caused by a change in the voltage level or load on another output.

Transient - Spike or step change in converter parameter. Commonly used in describing input line and output load characteristics.

Transient Recovery Time - Sometimes referred to as recovery time, transient response time or response time. Loosely speaking, the time required for the output voltage of a power supply to come back to within a level approximating the normal DC output following a sudden change in load current. More exactly, Transient recovery time is the time "X" required for output voltage recovery to within "Y" millivolts of the nominal output voltage following a "Z" amp step change in load current where: 1) "Y" is specified separately for each model but is generally of the same order as the load regulation specification. 2) The nominal output voltage is defined as the DC level halfway between the static output voltage before and after the imposed load change. 3) "Z" is the specified load current change, normally equal to the full load current rating of the supply.

U

Underwriters Laboratories (UL) - Independent Organization that conducts safety testing of products to established standards.

Undershoot - Transient change in a converter output voltage that does not meet the lower limit of the voltage accuracy specification.

Typically occurs at converter turn on/off or with some step change in output load or input line. Also see Voltage Accuracy.

Uninterruptible Power Supply (UPS) - Power supply that will continue to operate after the loss of AC input power.

UVLO-Under Voltage Lock Out - A protection system for power converters where the converter is deliberately shut down if the input voltage drops below a pre-defined level. Some hysteresis is usually present to prevent the converter from oscillating on and off. UVLO is usually needed with battery systems where the voltage decreases gradually with time rather than snaps off quickly.

V

Verband Deutscher Elektrotechniker (VDE) - German organization that sets standards for product safety and noise emissions and tests and certifies products to those standards.

Voltage Balance - For multiple output converter, the percentage difference in voltage level of two outputs with opposite polarities and equal nominal values.

W

Warmup Drift - See Drift.

Warmup Time - Time Required for a converter to operate within specifications after turn-on. This time normally precedes a long-term drift specification.

Withstand Voltage - Maximum voltage level that can be applied between circuits or components without causing a breakdown. Also see Breakdown Voltage and Isolation.



ISO 9001:2008
REGISTERED

PART NUMBER ORDERING SYSTEM

- 1) CATALOG CONTAINS "MODEL NUMBER" WHICH REPRESENTS THE BASE "DESIGN" AND SHOULD BE USED FOR AGENCY SUBMITTALS.
- 2) PART NUMBER IS INCLUSIVE OF ALL PARAMETERS INCLUDING MODEL, COLOR, LABELING AND PACKAGING.

			T Table W Wall P PCB D DC/DC		A-Type <input type="checkbox"/> W
			A AC D DC R Regulated	B- Output <input type="checkbox"/> D	
- 120V 60 Hz 1 220V 50 Hz 2 230V 50 Hz 3 240V 50 Hz 4 100V 50/60 Hz 5 100/120V 50/60 Hz 6 12V DC 7 220/240 50 Hz 8 115/230V 50/60 Hz 9 100/240V 50/60 Hz I 24 VDC X 48 VDC	1 Nema 1-15P (N American Class II) 2 Nema 5-15P (N American Class I) 3 Europlug (Euro Class II) 4 Schuko Plug (Euro Class I) 5 British (Class I or II) 6 S.Africa (Class I or II) 7 Australia 2 Pin (Class II) 8 Australia 3 Pin (Class I) 9 Japan 2 Pin (Class II) A Japan 3 Pin (Class I) B Israel 3 Pin (Class I)	C IEC320 C14 (Class I) D US Cable Class I or II) E Euro Cable (Class I or II) F Med 5-15P (Class I) G Header H Nema 1-15P (Class II Slim) J Cigarette Lighter Plug K IEC320 C8 (Class II) L IEC320 C6 (Class I) M Europlus (Class II Slim) Q Changeable Blades T Terminal (DC) S Strip+TIN (Class I or II)	P 1 V L 2 V Q 3 V A 5 V B 6 V C 7 V K 8 V D 9 V U 10 V F 11 V E 12 V N 13 V J 13.8 V	G 15 V T 16 V H 18 V Z 20 V I 24 V R 28 V Y 36 V X 48 V M 5, 12 V V 5, +12, -12 V W 5, +15, -15 V	C- Input Voltage (optional) <input type="checkbox"/> 1
					D- I/P Connector <input type="checkbox"/> 3
					E- O/P Voltage <input type="checkbox"/> D
					F- O/P Current in mA <input type="checkbox"/> 1
					G- O/P Current in mA <input type="checkbox"/> 0
					H- O/P Current in mA <input type="checkbox"/> 0
					I- O/P Current in mA <input type="checkbox"/> 0
					J- O/P Connector <input type="checkbox"/> L
			A to Z Diff C Center 0 to 9 Diff L Locking R Right Angle H High Retention S Shielded F Ferrite	P Positive N Negative	K- Differentiator <input type="checkbox"/> C
					L- Polarity/ Diff <input type="checkbox"/> P
					- <input type="checkbox"/> -
					M- Internal Code <input type="checkbox"/> X
			Custom Code		N- <input type="checkbox"/> M
			MED Med Approved		O- <input type="checkbox"/> E
			CC Constant Current Charger		P- <input type="checkbox"/> D



Thank you for your interest in our products. We look forward to speaking with you personally.
We can be reached by e-mail at sales@globtek.com, by phone at +1.201.784.1000 or by fax +1.201.784.0111.
Please complete as many fields of information as possible.

Name:

Company Name:

Address:

City: State: Zip:

Telephone: Fax: Email:

PART NUMBER:

Please describe as much as possible.

PACKAGE: wall-mount desk-top open frame pcb metal enclosure

INPUT VOLTAGE: 120VAC 60Hz 220-240VAC 50Hz 90-130VAC 47-63Hz 90-264VAC 47-63Hz

INPUT CONNECTION: US/Canada Japan Europe Turret Europe Shucko U.K. Australia

IEC 320 (C14) 3 conductor IEC 320 (C8) 2 conductor

GROUND REQUIRED: yes no

OUTPUT VOLTAGE: AC DC linear switchmode

Complete as many options as necessary

#1 Output Voltage #1 Output Current (A)

#2 Output Voltage #2 Output Current (A)

#3 Output Voltage #3 Output Current (A)

#4 Output Voltage #4 Output Current (A)

SAFETY APPROVALS: UL CSA or cUL TUV/GS JIS (T-Mark) CE Mark

other, specify

OUTPUT CONNECTOR: (See plug options):

QUANTITY: Select the production quantities you would like quoted.

1,000 5,000 10,000 25,000 50,000 100,000

OTHER:

SAMPLES: Will samples be required for test production?

YES NO WHEN? (i.e. MM/DD/YY) QUANTITY?

PRODUCTION: When would you take first delivery? (i.e. MM/DD/YY)

QUOTE QTY'S: **TARGET \$**

APPLICATION: Complete as many options as possible

USE: In what market will the finished product be used?

computer hardware CAD/CAM office/business machines communication

industrial/manufacturing-equipment medical avionics space/military automotive consumer electronics/appliances

OTHER MARKET:

THIS FORM IS ALSO AVAILABLE ONLINE AT WWW.GLOBTEK.COM



**GlobTek, Inc. USA
Headquarters**

186 Veterans Drive
Northvale, NJ 07647
USA

Tel: +1.201.784.1000
Fax: +1.201.784.0111

Contact GlobTek, USA:

sales@globtek.com

www.globtek.com



**GlobTek Deutschland GmbH
Deutschland**

Hafenweg 26a
48155 Münster
Deutschland

Tel: +49 251 134 963 71
Fax: +49 251 134 023 72

Contact GlobTek Deutschland

vertrieb@globtek.de

www.globtek.de



**GlobTek (Shanghai) Co., Ltd.
Sales Office**

Tel: +86-21-6916-0055
Fax: +86-21-6916-0422



**GlobTek (Suzhou) Co. Ltd.
Asia Pacific Regional Factory**

Building 4, City Illumination Industrial
Park, 76 East Jinling Road, Weting Town,
Suzhou Industrial Park,
Suzhou, 215021
China

Tel: +86-512-6279-0301
Fax: +86-512-6279-0355

Contact GlobTek, (Suzhou) Co., Ltd.

sales@globtek.cn

www.globtek.cn



**GlobTek, Inc.
France**

BP 50 349
33 694 Mérignac Cedex
France

Tél: +33-547 480 129
Tél: +33-620 681 263
Fax: +33-0-567 699 428

Contacter GlobTek France

vente@globtek.fr

www.globtek.fr



**GlobTek, Inc.
United Kingdom**

22 Longstock Close
Chineham, Basingstoke
Hampshire RG24 8WR
United Kingdom

Tel: +44 (0) 5601 057 817
Fax: +44 (0) 1256 651 173

Contact GlobTek United Kingdom:

sales@globtek.co.uk

www.globtek.co.uk



GlobTek Scandinavia

Frejgatan 13, 11479
Stockholm
Sweden

Tel: +46 8 52506052 (Sweden)
+ 47 466 59 904 (Norway)
Fax: +46 8 52507013

Contact GlobTek Scandinavia:

forsaljning@globtek.se

www.globtek.se

