



MTPS90 Series

90 Watt, Medical Grade Universal Input, Desktop Adapter

INPUT SPECIFICATIONS

All specifications are typical at nominal input, full load.

INPUT SPECIFICATIONS

Input Voltage	AC 100 – 240VAC
Input Frequency	50 – 60Hz
Input Current	1.2A – 0.5A
Protection	Internal Primary Current Fuse Inrush Limiting

OUTPUT SPECIFICATIONS

Output Voltage	See Chart
Efficiency	CEC Level V, ErP Stage 2
Protection	Short Circuit Protection Over Current Protection Over Voltage Protection
Ripple	1 – 2 % Vp-p (max)
Hold-Up Time	10 mS (min)
Transient Response	0.5mS for 50% Load Change(typ)
Load Regulation	± 5% (typ)
Leakage Current	0.50mA @ 3 pin

GENERAL SPECIFICATIONS

MTBF(Calculated)	300,000 Hours Calculated hours at 25°C by Telecordia SR-332
Dielectric Withstanding Voltage	4,000 VAC Primary – Secondary
EMI Conduction & Radiation	Compliance to EN55011 Class B
Harmonic Current	Compliance to EN61000-3-2,3
EMS Immunity	Compliance to EN60601-1-2
Safety Approvals	CB/UL/cUL/FCC/CE/TUV



FEATURES

- *ES60601-1:2005 (60601 3rd EDITION)*
- *UNIVERSAL INPUT (AC100-240V)*
- *OVERVOLTAGE PROTECTION*
- *OVERCURRENT PROTECTION*
- *ROHS COMPLIANT*
- *CEC LEVEL V*

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature	0°C~+40°C
Storage Temperature	-20°C ~ +80°C
Cooling.	Convection
Operating Humidity	20 – 80% Rh
Storage Humidity	10 – 90% Rh

MECHANICAL SPECIFICATIONS

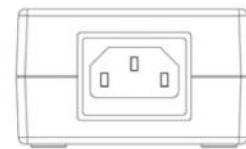
Case Dimension	L168 x W66 x H39 (mm)
Input Configuration	IEC320-C14 Optional C6
DC Cord	18AWG Optional 16AWG
Output Connector	5.5 x 2.1 x 9.5mm C+



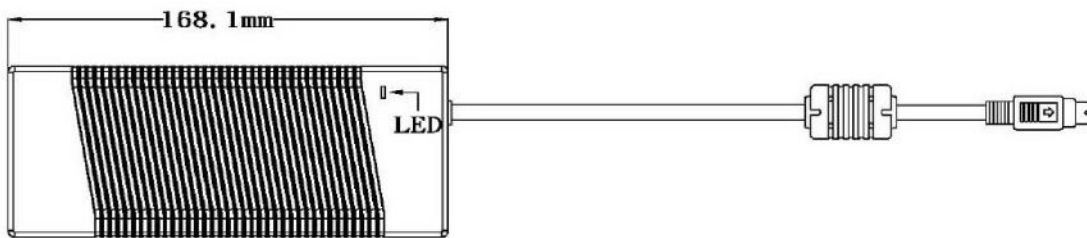
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Model Number	Output Voltage	Output Current	Max Output Power
MTPS90-1275DT-3P	12.0V	7.50A	90W
MTPS90-1560DT-3P	15.0V	6.00A	90W
MTPS90-1947DT-3P	19.0V	4.74A	90W
MTPS90-2437DT-3P	24.0V	3.75A	90W
MTPS90-3625DT-3P	36.0V	2.50A	90W
MTPS90-4818DT-3P	48.0V	1.88A	90W

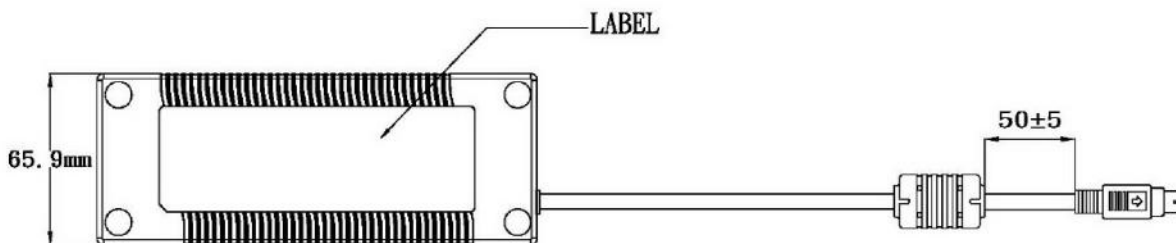
Mechanical Drawing:



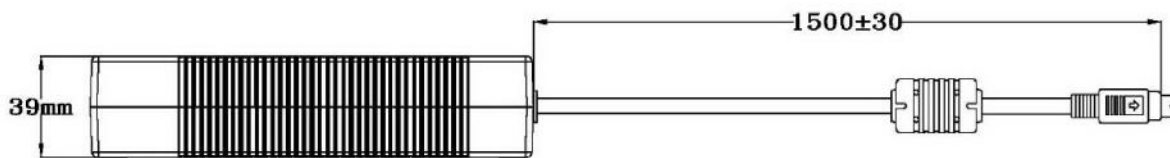
FRONT-VIEW



TOP-VIEW



BOTTOM-VIEW



SIDE-VIEW