

US Plug



Size: 3.17" x 1.54" x 2.21"

EU Plug



Size: 3.17" x 1.54" x 2.21"

2-Pin Australian Plug



Size: 3.17" x 1.61" x 2.21"

UK Plug



Size: 3.17" x 1.94" x 2.21"

Korea Plug



Size: 3.17" x 1.54" x 2.21"

Argentina Plug



Size: 3.17" x 1.61" x 2.21"

**FEATURES**

- Universal Input Voltage Range of 100~240VAC
- Single Output
- US, EU, 2-Pin Australian, UK, Korea, and Argentina Plugs Available
- Optional Output Connectors Available
- Short Circuit, Over Current, and Over Voltage Protection
- Meets EISA 2007/DoE (VI) & EU ErP/CoC (5) for 5~6 and 8~58VDC
- Means of Patient Protection Design
- UL: ES60601-1, CSA: C22.2 No. 60601-1, CB: IEC 60601-1 and EN60601-1 Safety Approvals

**DESCRIPTION**

The WMIGMPU18 power supply series of AC/DC wall mount with interchangeable plugs offers 18 watts of output power in a compact package. This series consists of single output models with a universal input voltage range of 100~240VAC and several plug options. A US plug, EU plug, 2-Pin Australian plug, UK plug, Korean plug, and Argentinian plug are available for this series as well as optional output connectors. Each model in this series has short circuit, over current and over voltage protection while 5~6 and 5~58VDC models meet EISA 2007/DoE (VI) & EU ErP/CoC (5) standards. This series has UL: ES60601-1, CSA: C22.2 No. 60601-1, CB: IEC 60601-1 and EN60601-1 safety approvals.

**MODEL SELECTION TABLE**

Model Number <sup>(1)</sup>	Input Voltage Range	Output Voltage	Measured at Output	Output Current		Ripple Max.	Load Regulation	Output Power	Efficiency Level (DoE, CoC)	Efficiency <sup>(2)</sup>	
				Min Load	Max Load					DoE	CoC
WMIGMPU18X-1	100~240VAC	5~6VDC	5	2.50A	3.00A	80mV	±5%	15W	VI, 5	>81.39%	>81.84%
WMIGMPU18X-1-1		6~8VDC	7.5	1.87A	2.50A	80mV	±5%	15W	V, 4	>79.2%	>79.2%
WMIGMPU18X-2		8~11VDC	9	1.64A	2.25A	100mV	±5%	18.04W	VI, 5	>85%	>85.45%
WMIGMPU18X-3		11~13VDC	12	1.38A	1.64A	120mV	±5%	18.04W	VI, 5	>85%	>85.45%
WMIGMPU18X-4		13~16VDC	15	1.13A	1.38A	150mV	±5%	18.08W	VI, 5	>85%	>85.45%
WMIGMPU18X-5		16~21VDC	18	0.86A	1.13A	150mV	±5%	18.08W	VI, 5	>85%	>85.45%
WMIGMPU18X-6		21~27VDC	24	0.67A	0.86A	150mV	±5%	18.09W	VI, 5	>85%	>85.45%
WMIGMPU18X-7		27~33VDC	28	0.55A	0.67A	240mV	±3%	18.15W	VI, 5	>85%	>85.4%
WMIGMPU18X-8	33~58VDC	48	0.32A	0.55A	240mV	±3%	18.56W	VI, 5	>85%	>85.45%	

**SPECIFICATIONS**

All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
 We reserve the right to change specifications based on technological advances.

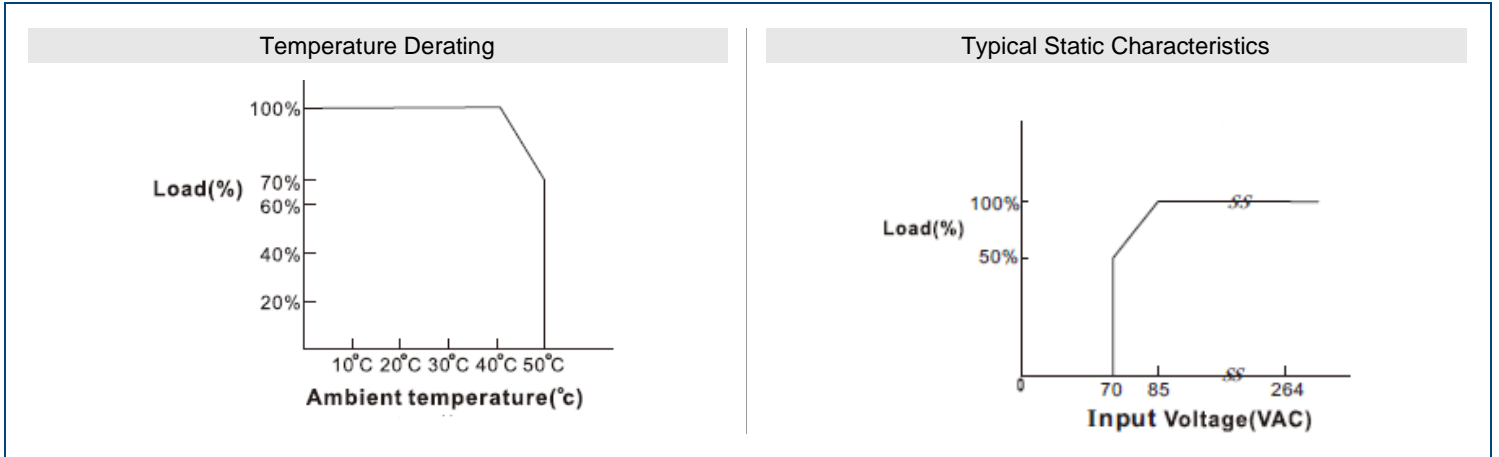
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
<b>INPUT SPECIFICATIONS</b>					
Input Voltage Range		100		240	VAC
Input Frequency		47		63	Hz
Input Current		0.45		0.2	A
Inrush Current	@115VAC, 25°C, Cold start		50		A
	@230VAC, 25°C, Cold start		90		
Leakage Current	@240VAC/50Hz			0.1	mA
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage				See Table	
Line Regulation	For any input voltage change between input voltage range			±1	%
Load Regulation	Variations from minimum to maximum output current			See Table	
Output Power				See Table	
Output Current				See Table	
Ripple				See Table	
Transient Response	Maximum excursion of 4% or better on all models. Recovering to 1% of final value within 500uS after a 25% step load change				
Set-Up Time	@Full Load		1000		mS
Hold Up Time	@Full Load		10		mS
Rise Time	@Full Load		50		mS
Temperature Coefficient	All Outputs			±0.04	%/°C
No Load Power Consumption	DTGMPU18X-1-1 Model			0.3	W
	All Other Models			0.075	
<b>PROTECTION</b>					
Short Circuit Protection	Hiccup Mode			Automatic Recovery	
Over Current Protection	Hiccup Mode			Automatic Recovery	
	Rated Output Current	110			%
Over Voltage Protection	Protected by Zener Diode				
	Rated Output Voltage	110		140	%
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Temperature		0		40	°C
Storage Temperature		-40		85	°C
Relative Humidity	Non-Condensing	5		95	%
Derating	Derated from 100% at +40°C linearly to 70% at 50°C				
MTBF	@Full Load at 25°C, Cold Start	100,000			Hours
<b>GENERAL SPECIFICATIONS</b>					
Avg. Efficiency				See Table	
Withstand Voltage	From Input to Output		5656		VDC
Insulation Resistance	From Input to Output	50			mΩ
<b>PHYSICAL SPECIFICATIONS</b>					
Weight		4.94~5.64oz (140~160g)			
Dimensions (L x W x H)	US, EU, and Korean Plug	3.17" x 1.54" x 2.21" (80.5mm x 39.1mm x 56.2mm)			
	2-Pin Australian and Argentina Plug	3.17" x 1.61" x 2.21" (80.5mm x 41mm x 56.2mm)			
	UK Plug	3.17" x 1.94" x 2.21" (80.5mm x 49.4mm x 56.2mm)			
<b>SAFETY CHARACTERISTICS</b>					
Safety Approvals	UL: ES60601-1, CSA: C22.2 NO. 60601-1, CB: IEC 60601-1, EN: EN60601-1				
EMC	CE: EN60601-1-2 FCC Part 15/Part 18 Subpart B				

**NOTES**

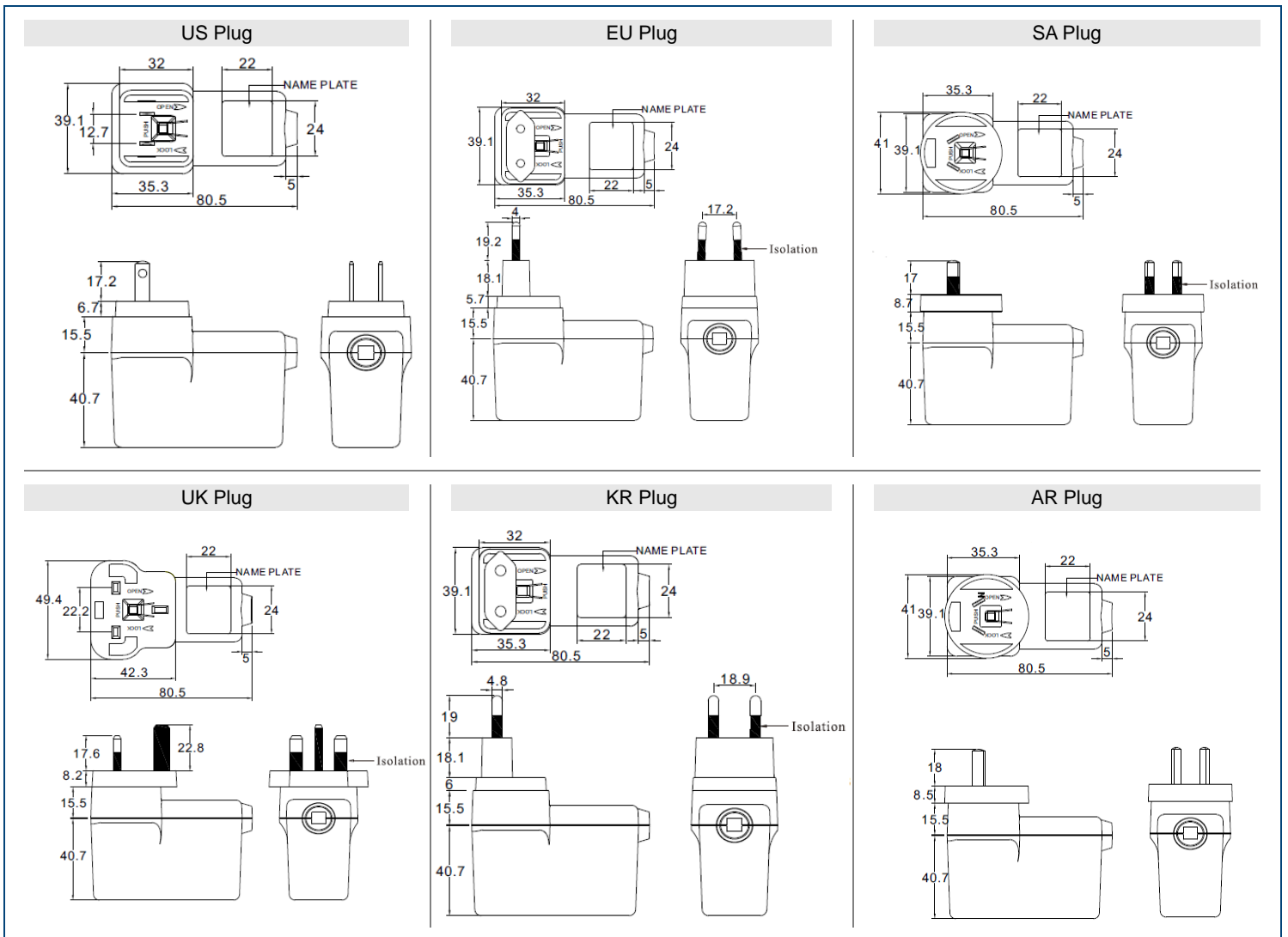
- "X" in model number represents plug type. "X" can either be "U" for American plug, "E" for EU plug, "SA" for 2-Pin Australian plug, "BS" for UK plug, "KR" for Korean plug, or "AR" for Argentina plug.
- Avg. Efficiency: averages the efficiency at 25, 50, 75, and 100% of max. rated output current.
- Standard Output Cables: 5~5.9V: UL2468, 16AWG, 1M  
 6~8V: UL2468, 20AWG, 4FT  
 8~11: UL2468, 16AWG, 1M  
 11~13: UL2468, 18AWG, 1M  
 13~58V: UL2468, 22AWG, 5FT

\*Due to advances in technology, specifications subject to change without notice.

DERATING CURVES



MECHANICAL DRAWINGS



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COMPANY INFORMATION

Wall Industries, Inc. has created custom and modified units for over 50 years. Our in-house research and development engineers will provide a solution that exceeds your performance requirements on-time and on budget. Our ISO9001-2008 certification is just one example of our commitment to producing a high quality, well-documented product for our customers.

Our past projects demonstrate our commitment to you, our customer. Wall Industries, Inc. has a reputation for working closely with its customers to ensure each solution meets or exceeds form, fit and function requirements. We will continue to provide ongoing support for your project above and beyond the design and production phases. Give us a call today to discuss your future projects.

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