

U Type: US Plug



Size: 3.17in x 1.54in x 1.6in

E Type: EU Plug



Size: 3.17in x 1.54in x 1.6in

SA Type: 2-Pin AUS Plug



Size: 3.1in x 1.61in x 1.6in

BS Type: UK Plug



Size: 3.17in x 1.94in x 1.6in

KR Type- Korea Plug



Size: 3.17in x 1.54in x 1.6in

AR Type: Argentina Plug



Size: 3.17in x 1.61in x 1.6in



OPTIONS

- Interchangeable Plugs
- Output Connector
- Output Voltage

FEATURES

- Universal Input Voltage Range of 100~240VAC
- Single Output
- Optional Output Connectors Available
- Meets EISA 2007/DoE (VI) & EU ErP/CoC (5)
- Low Leakage Current of <0.25mA
- Short Circuit, Over Voltage, and Over Current Protection
- Six Interchangeable Plugs Available: US Plug, EU Plug, 2-Pin AUS Plug, UK Plug, Korean Plug, and Argentina Plug
- UL60950-1; CSA C22.2, IEC 60950-1, EN60950-1, and J60950-1 Safety Approvals

DESCRIPTION

The WMIGPSU25 series of AC DC interchangeable wall mount power supplies provides up to 25 watts of output power in a small package. This series consists of single output models with output voltages ranging from 5~58VDC and universal input voltage range of 100~240VAC. There are six interchangeable plugs available for this series: US plug, EU plug, 2-Pin AUS plug, UK plug, Korean plug, and Argentina plug. Each model in this series is protected against short circuit, over voltage, and over current conditions and has UL60950-1; CSA C22.2, IEC 60950-1, EN60950-1, and J60950-1 safety approvals. Each model is also energy Level VI compliant. Please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Measured at Output	Output Current	Ripple & Noise	Output Power	No Load Power Consumption	Efficiency ⁽²⁾	
								DoE (VI)	CoC (5)
WMIGPSU25x-1	100~240VAC	5~6VDC	5VDC	4~3.33A	100mV	20W	<0.075%	83.08%	83%
WMIGPSU25x-1-1		6~8VDC	7.5VDC	3.66~2.75A	100mV	22W		85.86%	86.41%
WMIGPSU25x-2		8~11VDC	9VDC	3.125~2.27A	100mV	25W		86.35%	86.94%
WMIGPSU25x-3		11~13VDC	12VDC	2.27~1.92A	120mV	25W		86.35%	86.94%
WMIGPSU25x-4		13~16VDC	15VDC	1.92~1.56A	120mV	25W		86.35%	86.97%
WMIGPSU25x-5		16~21VDC	18VDC	1.56~1.19A	180mV	25W		86.35%	86.97%
WMIGPSU25x-6		21~27VDC	24VDC	1.19~0.926A	180mV	25W		86.35%	86.97%
WMIGPSU25x-7		27~33VDC	30VDC	0.926~0.757A	240mV	25W		86.35%	86.97%
WMIGPSU25x-8	33~58VDC	48VDC	0.757~0.43A	240mV	25W	86.35%	86.97%		

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.

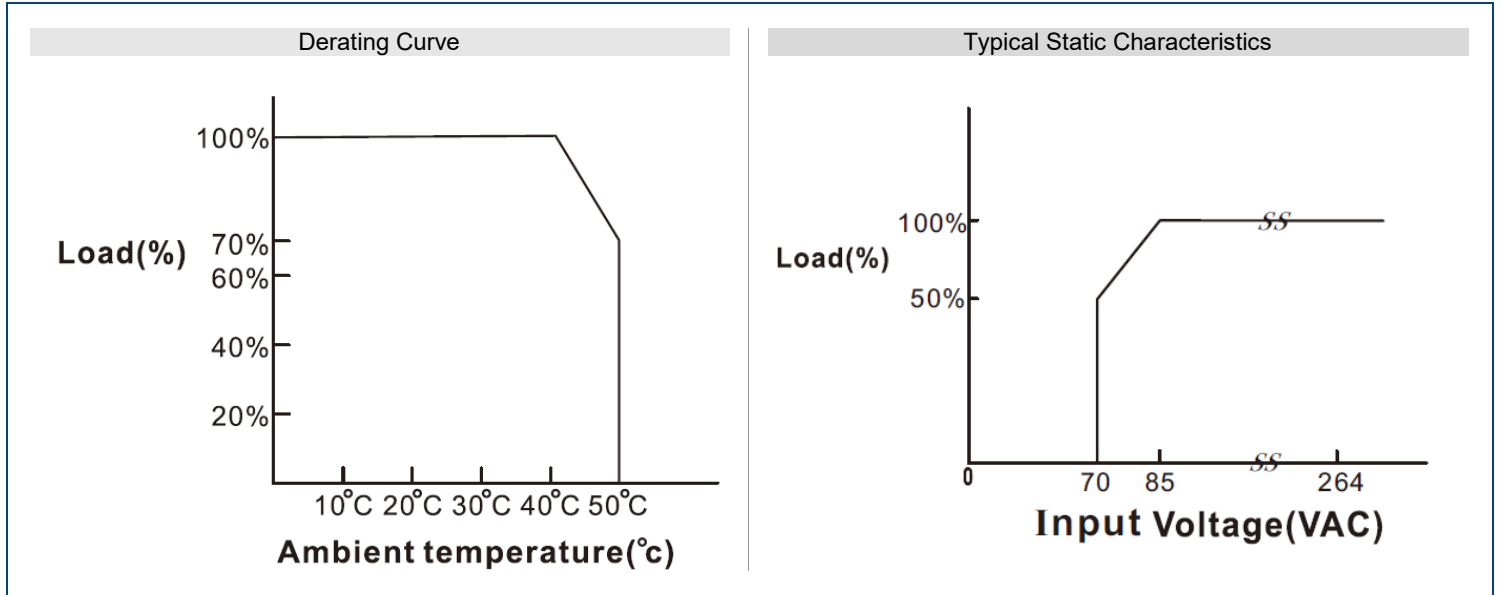
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		47		63	Hz
Input Current				0.65	A
Inrush Current	@115VAC, 25°C Cold Start		65		A
	@230VAC, 25°C Cold Start		95		
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	For any input voltage change between input voltage range			±1	%
Load Regulation	Variations for any input voltage change between input voltage range		±5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise		See Table			
Transient Response	Maximum excursion of 4% or better on all models. Recovering to 1% of final value within 500µs 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
PROTECTION					
Short Circuit Protection	Hiccup Mode	Automatic Recovery			
Over Current Protection	Hiccup Mode	Automatic Recovery			
	Rated Output Current	110			%
Over Voltage Protection	Rated Output Voltage	Protected by Zener Diode			
		110		140	%
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	See derating curve.	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, 25°C ambient	100,000			hours
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Insulation Resistance	From Input to Output	50			MΩ
Withstand Voltage	From Input to Output		4242		VDC
Leakage Current	@240VAC/50Hz			0.25	mA
PHYSICAL SPECIFICATIONS					
Weight		5.29~6oz (150~170g)			
Dimensions (L x W x H)	U Type, E Type, KR Type	3.17in x 1.54in x 1.6in (80.5mm x 39.1mm x 40.7mm)			
	SA Type, AR Type	3.17in x 1.61in x 1.6in (80.5mm x 41mm x 40.7mm)			
	BS Type	3.17in x 1.94in x 1.6in (80.5mm x 49.4mm x 40.7mm)			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals		UL60950-1 ⁽⁶⁾ ; CSA C22.2 IEC60950-1 EN60950-1 J60950-1			
EMC		CE: Emission: EN55022; EN61000-3-2,3 Immunity: IEC61000-4-2,3,4,5,6,11 FCC 47 CFR Part 15 Subpart B			
					Class B

NOTES

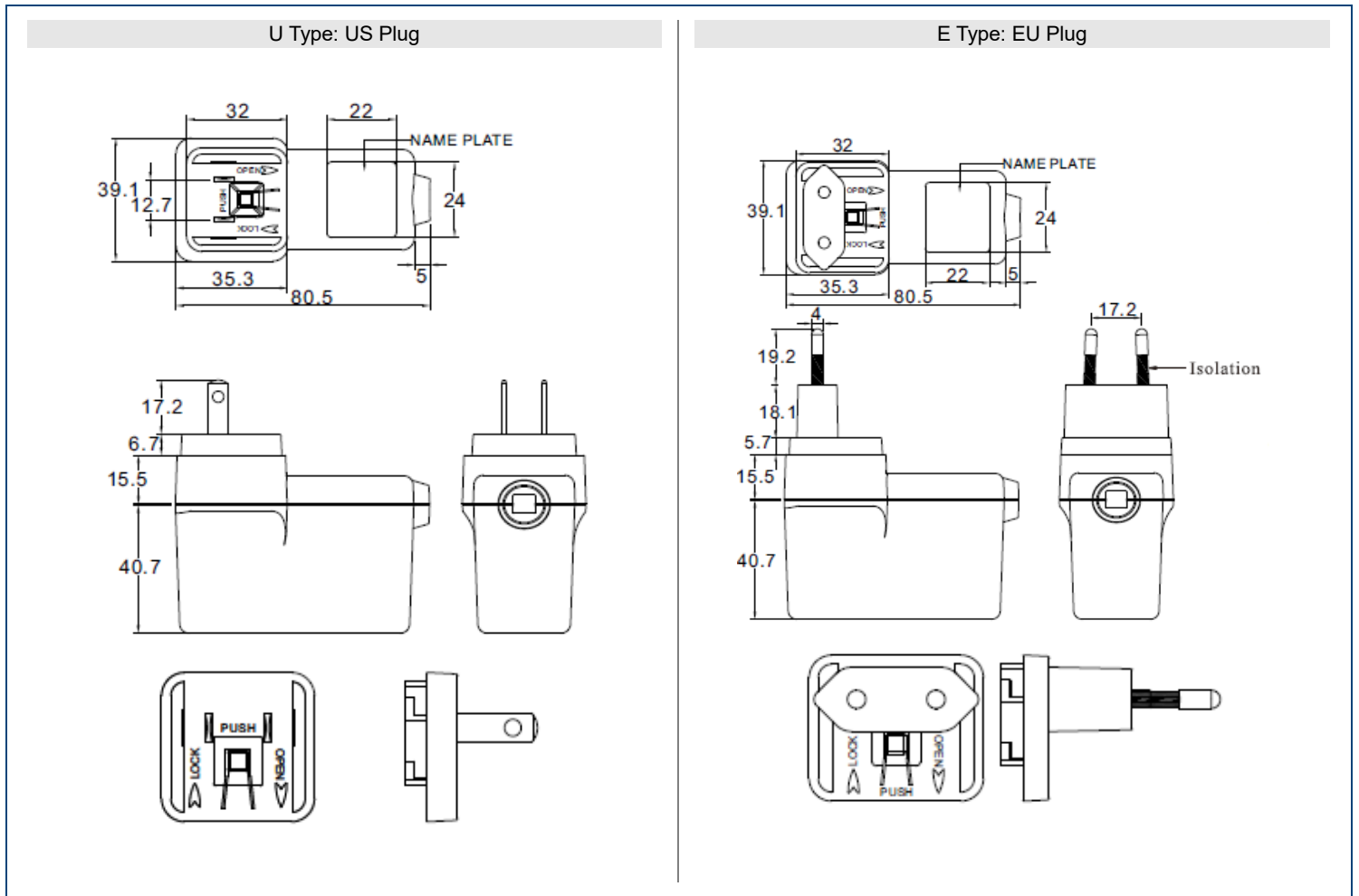
- (1) "x" in model number represents interchangeable plug type. "x" can be: "U" = U Type= US Plug, "E"= E Type= EU Plug, "SA" = SA Type= 2-Pin AUS Plug, "BS"= BS Type= UK Plug, "KR"= KR Type= Korea Plug, or "AR"= AR Type= Argentina Plug.
- (2) Averages efficiency at 25, 50, 75, and 100% of max. rated output current.
- (3) Optional output connectors available. Please call factory for details.
- (4) Standard Output Cables:
 5~13V: UL1571, 16AWG, 1M
 13~21V: UL2468, 18AWG, 6FT
 21~58V: UL2468, 20AWG, 6FT
- (5) This product is Listed to applicable standards and requirements by UL.

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

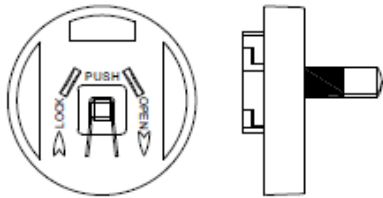
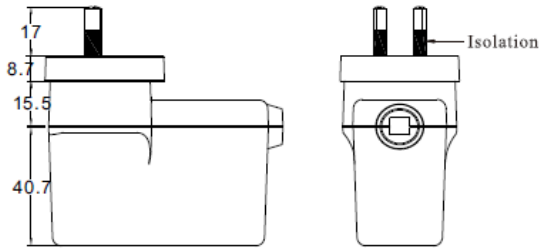
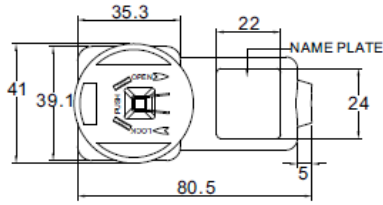
DERATING CURVES



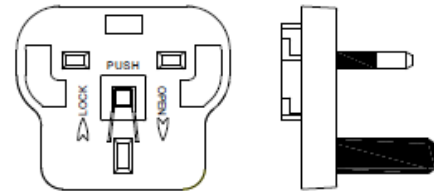
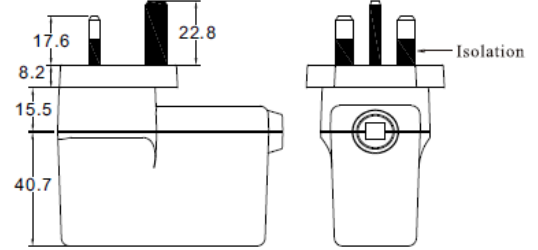
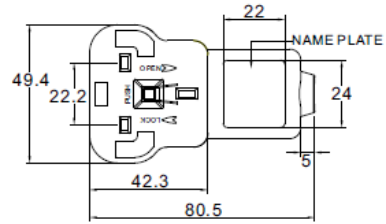
MECHANICAL DRAWINGS



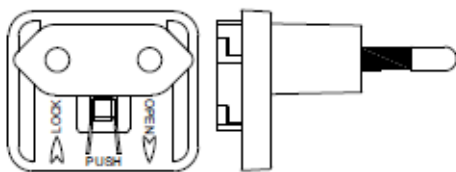
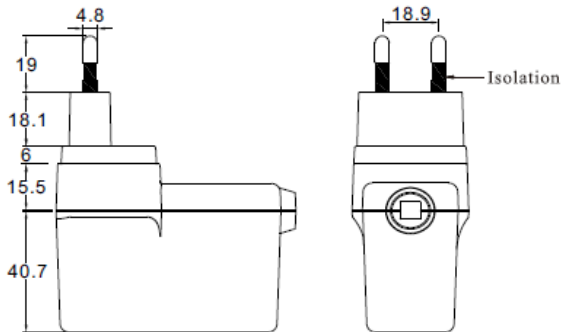
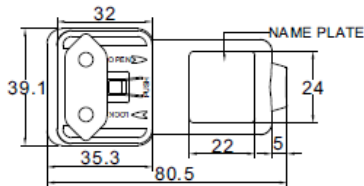
SA Type: 2-Pin AUS Plug



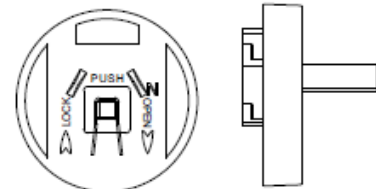
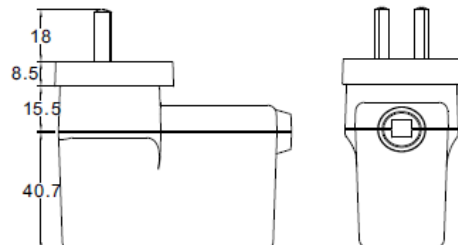
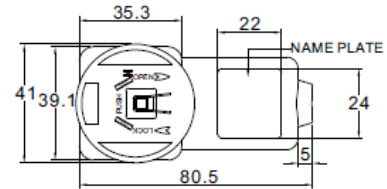
BS Type: UK Plug



KR Type: Korea Plug



AR Type: Argentina Plug



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: 2015 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.

Contact **Wall Industries** for further information:

Phone: ☎ (603)778-2300
Toll Free: ☎ (888)597-9255
Fax: ☎ (603)778-9797
E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833

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