

U Type



Size: 2.97 x 1.26 x 2.78in

E Type



Size: 2.97 x 1.26 x 3.32in

SA Type



Size: 2.97 x 1.57 x 2.93in

BS Type



Size: 2.97 x 1.92 x 2.82in

C Type



Size: 2.97 x 1.26 x 2.74in



OPTIONS

- Output Connectors
- Output Voltage
- Plug Type

FEATURES

- Universal Input Voltage Range of 100~240VAC
- Meets DoE (VI) & EU ErP/CoC(5)
- Single Output
- Optional Output Connectors Available
- Low Leakage Current
- Optional Plug Types Available: American, European, 2-Pin Australian, Chinese, and UK Types
- UL/cUL, TUV/GS, TUV/PE, and CB Safety Approvals

DESCRIPTION

The WMGPSU18 series of AC DC wall mount power supplies offers up to 18 watts of continuous output power in a compact package. This series consists of single output models that have a universal input voltage range of 100~240VAC and output voltages ranging from 3VDC to 58VDC. Five different plug types are available for this series: American type, European type, 2-pin Australian type, Chinese, and UK plug types. This series also has UL/cUL, TUV/GS, TUV/PE, and CB safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	No Load Power Consumption	Output Power	Measured At Output	Load Regulation	Efficiency ⁽²⁾
WMGPSU18x-0	100~240VAC	3~5VDC	2.70~1.62A	100mV	<0.1W	8.1W	3.3	±7%	>77.2%
WMGPSU18x-1	100~240VAC	5~6VDC	3.00~2.50A	80mV	<0.1W	15W	5	±5%	>81.39%
WMGPSU18x-1-1	100~240VAC	6~8VDC	2.50~1.87A	100mV	<0.1W	16.50W	7.5	±5%	>84.13%
WMGPSU18x-2	100~240VAC	8~11VDC	2.10~1.64A	80mV	<0.1W	18.04W	9	±5%	>85%
WMGPSU18x-3	100~240VAC	11~13VDC	1.64~1.38A	80mV	<0.1W	18.04W	12	±3%	>85%
WMGPSU18x-4	100~240VAC	13~16VDC	1.38~1.13A	80mV	<0.1W	18.08W	15	±3%	>85%
WMGPSU18x-5	100~240VAC	16~21VDC	1.13~0.86	80mV	<0.1W	18.08W	18	±3%	>85%
WMGPSU18x-6	100~240VAC	21~27VDC	0.86~0.67A	100mV	<0.1W	18.09W	24	±2%	>85%
WMGPSU18x-7	100~240VAC	27~33VDC	0.67~0.55A	240mV	<0.1W	18.15W	28	±2%	>85%
WMGPSU18x-8	100~240VAC	33~58VDC	0.55~0.32A	120mV	<0.1W	18.56W	48	±2%	>85%

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				0.5	A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation				±1	%
Load Regulation		See Table			
Output Power		See Table			
Output Current		See Table			
Ripple & Noise		See Table			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	Safety approval 0°C to 40°C, >40°C contact factory	-20		+70	°C
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Withstand Voltage	From Input to Output		4242		VDC
Leakage Current	@240VAC/50Hz			0.25	mA
PHYSICAL SPECIFICATIONS					
Weight		4.94~5.64oz (140~160g)			
Dimensions (L x W x H)	U Type	2.97 x 1.26 x 2.78in (75.5 x 32 x 70.7mm)			
	E Type	2.97 x 1.26 x 3.32in (75.5 x 32 x 84.3mm)			
	SA Type	2.97 x 1.57 x 2.93in (75.5 x 39.8 x 74.4mm)			
	BS Type	2.97 x 1.92 x 2.82in (75.5 x 48.8 x 71.6mm)			
	C Type	2.97 x 1.26 x 2.74in (75.5 x 32 x 69.5mm)			
SAFETY					
Safety Approvals	UL/cUL, TUV/GS, TUV/PSE, CB				
EMI	CE EN 55032, EN55035 FCC 47 CFR Part 15				

Subpart B

Subpart B

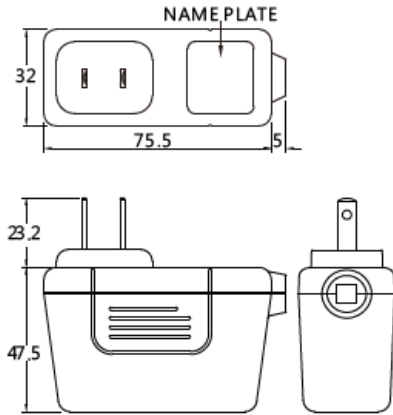
NOTES

- The "x" in each model number represents the plug type available: "U"= U Type= American plug, "E"= E type= European plug, "SA"= 2-Pin Australian plug, "BS"= BS Type= UK plug, "C" = C Type = Chinese plug
- Average efficiency: Averages the efficiency at 25, 50, 75, 100% of max. rated output current.
- Standard Output Cables:
3~5V: UL2468, 18AWG, 1M
5~13V: UL2468, 20AWG, 1M
13~58V: UL2468, 24AWG 5FT
- This product is Listed to applicable standards and requirements by UL.

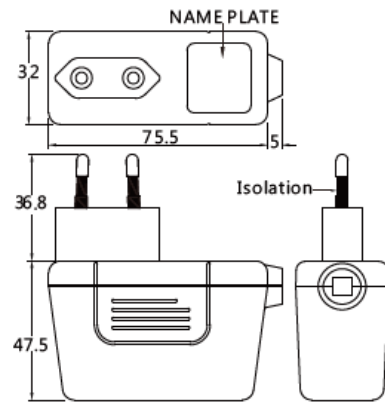
Due to advances in technology, specifications subject to change without notice.

MECHANICAL DRAWINGS

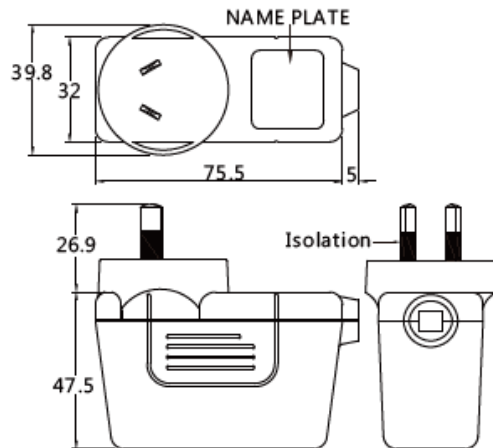
U Type



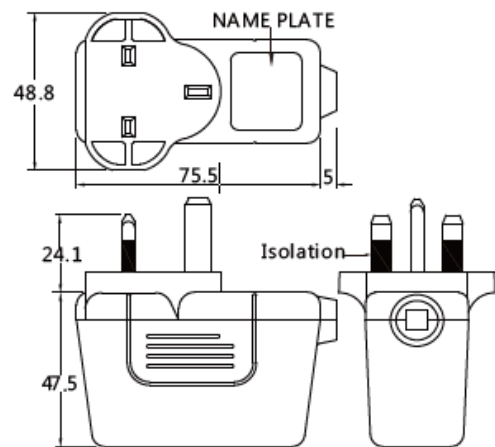
E Type



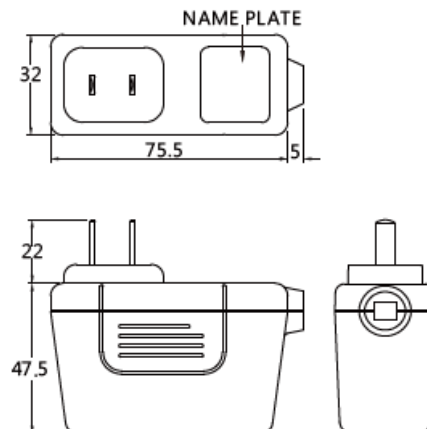
SA Type



BS Type



C Type



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.

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