

Size: 3.94in x 1.57in x 1.22in (100mm x 40.5mm x 31mm)

FEATURES

- Wide Input Range of 100~240VAC
- USB Type C
- RoHS Compliance
- LED Indication
- Meets CEC Level VI (DoE)
- Over Voltage, Over Current, Over Temperature, and Short Circuit Protection
- 500pc MOQ for Production
- UL/cUL, CB, CE, FCC, and CCC Safety Approvals

DESCRIPTION

The WMEA1045 series of AC/DC wall mount power supplies offers up to 45 watts of output power in a 3.94in x 1.57in x 1.22in package. This series consists of single output models with a wide input voltage range of 100 to 240VAC. Each model in this series is RoHS & Level VI compliant, LED indication, and over voltage, over current, over temperature, and short circuit protection. Four plug types are available for this series: US plug, EU plug, UK plug, and SAA plug and the series has UL/cUL, CB, CE, FCC, and CCC safety approvals. Please contact factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽²⁾	Output Power
			Min Load	Max Load		
WMEA1045-305x	100~240VAC	5V	0A	3A	100mV	30 Watts
WMEA1045-309x		9V	0A	3A	180mV	
WMEA1045-3015x		15V	0A	2A	300mV	
WMEA1045-3020x		20V	0A	1.5A	360mV	
WMEA1045-365x	100~240VAC	5V	0A	3A	100mV	36 Watts
WMEA1045-369x		9V	0A	3A	180mV	
WMEA1045-3615x		15V	0A	2.4A	300mV	
WMEA1045-3620x		20V	0A	1.8A	360mV	
WMEA1045-455x	100~240VAC	5V	0A	3A	100mV	45 Watts
WMEA1045-459x		9V	0A	3A	180mV	
WMEA1045-4515x		15V	0A	3A	300mV	
WMEA1045-4520x		20V	0A	2.25A	360mV	

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.

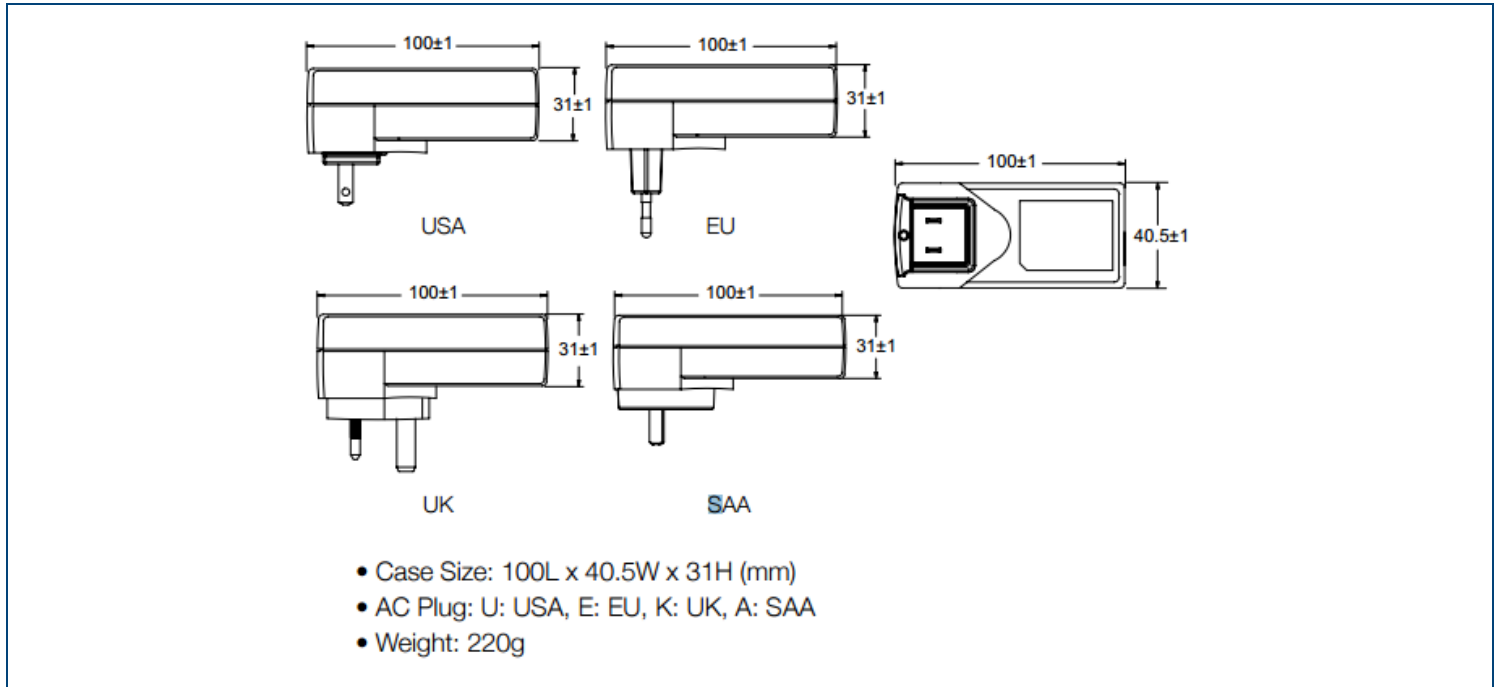
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤1.5		A
Inrush Current	@Cold Start		≤80		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise		See Table			
Hold Up Time			≥8.3		mS
Turn On Time			≤3		S
PROTECTION					
Short Circuit Protection		Automatic Recovery			
Over Current Protection		Automatic Recovery			
Over Voltage Protection		Automatic Recovery			
Over Temperature Protection		Optional			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		90	%
MTBF		100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level VI (DoE)			
PHYSICAL SPECIFICATIONS					
Weight		7.76oz (220g)			
Dimensions (L x W x H)		3.94in x 1.57in x 1.22in (100mm x 40.5mm x 31mm)			
SAFETY CHARACTERISTICS					
Safety Approvals		UL/cUL, CB, CE, FCC, CCC			

NOTES

1. "X" in model number indicates plug type. "X" can either "U" for USA plug, "E" for EU plug, "K" for UK plug, or "A" for SAA plug.
2. Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1uf ceramic capacitor & parallel with 47uF aluminum capacitor at full load and nominal line.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWINGS



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:

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