

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
- USB Power Delivery Function
- LED Indication
- Energy Efficiency Level VI
- No Load Power Consumption ≤0.1W
- 500pc MOQ for Production
- Over Voltage, Over Current, Short Circuit and (Optional) Over Temperature Protection
- UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B Safety Approvals
- Complies with CE EMC (EN 55032+EN 55035)

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 Level VI compliant, has 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 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B safety approvals.

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			
WMEA1045-A305x	100~240VAC	5V	0A	3A	100mV	30 Watts		
WMEA1045-A309x		9V	0A	3A	180mV			
WMEA1045-A3012x		12V	0A	2.5A	200mV			
WMEA1045-A3015x		15V	0A	2A	300mV			
WMEA1045-A3020x	100~240VAC	20V	0A	1.5A	360mV	36 Watts		
WMEA1045-B365x		5V	0A	3A	100mV			
WMEA1045-B369x		9V	0A	3A	180mV			
WMEA1045-B3612x		12V	0A	3A	200mV			
WMEA1045-B3615x	100~240VAC	15V	0A	2.4A	300mV	36 Watts		
WMEA1045-B3620x		20V	0A	1.8A	360mV			
WMEA1045-C455x		100~240VAC	5V	0A	3A		100mV	45 Watts
WMEA1045-C459x			9V	0A	3A		180mV	
WMEA1045-C4512x	12V		0A	3A	200mV			
WMEA1045-C4515x	15V		0A	3A	300mV			
WMEA1045-C4520x	20V		0A	2.25A	360mV			

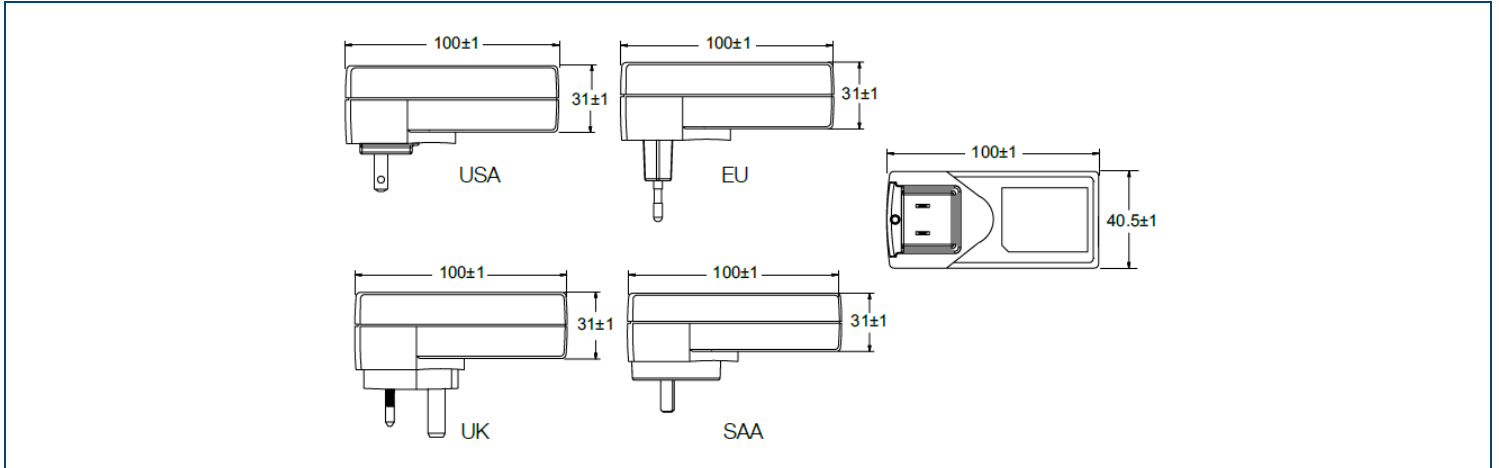
SPECIFICATIONS					
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.					
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤1.5		A
Inrush Current	@230VAC		≤100		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	Automatic Recovery or Latch Off			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-20		40	°C
Storage Temperature		-20		85	°C
Operating Humidity		10		90	%
Storage Humidity		5		90	%
MTBF		100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Level VI			
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 ⁽⁴⁾		UL/cUL 60950-1, TUV EN 60950-1/EN 62368-1, CB IEC 60950-1, FCC Part 15B Complies with CE EMC (EN 55032+EN 55035)			

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. Add "-C" to model number to indicate USB Type-C
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.

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