



Size: 2.99in x 1.69in x 1.18in (75.8mm x 42.8mm x 30.2 mm)

OPTIONS

- Output Voltage
- Case Type

FEATURES

- RoHS Compliant
- CEC Level VI (DoE), CoC Tier 2 Compliant
- Multiple Case Types Available: US, EU, UK, SAA
- Output Voltage up to 48V
- Over Voltage and Short Circuit Protection
- UL/cUL, CB, CE, & CCC Safety Approvals

DESCRIPTION

The WMEA1024 series of AC DC wall mount power supplies provides up to 36 watts of continuous output power in a 2.99" x 1.69" 1.18" package. This series consists of single output models with output voltages ranging from 5V to 48V and a wide input voltage range of 100~240VAC. This series is RoHS compliant and meets CEC Level VI, CoC Tier 2 requirements. This series also has UL/cUL, CB, CE, and CCC safety approvals. All models are protected against short circuit and over voltage conditions. Multiple case types are available for this series: US, EU, UK and SAA. Please call factory for ordering details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽²⁾	Output Power	Efficiency
			Min Load	Max Load			
WMEA1024AY	100-240VAC	5~8V	0A	2.0A	100mV	16W	Level VI
WMEA1024BY		5~8V	0A	3.0A	100mV	20W	
WMEA1024CY		5~8V	0A	4.0A	100mV	24W	
WMEA1024DY		9~11V	0A	1.5A	250mV	18W	
WMEA1024EY		9~11V	0A	2.0A	250mV	24W	
WMEA1024FY		9~11V	0A	3.0A	250mV	27W	
WMEA1024GY		12~17V	0A	1.66A	250mV	20W	
WMEA1024HY		12~17V	0A	2.5A	250mV	30W	
WMEA1024JY		18~24V	0A	1.33A	350mV	24W	
WMEA1024KY		18~24V	0A	1.66A	350mV	30W	
WMEA1024MY		36~48V	0A	0.55A	480mV	20W	
WMEA1024NY		36~48V	0A	0.83A	480mV	30W	
WMEA1024PY		12V	0A	3.0A	250mV	36W	
WMEA1024QY		12V	0A	2.0A	250mV	24W	
WMEA1024RY		24V	0A	1.5A	350mV	36W	

SPECIFICATIONS

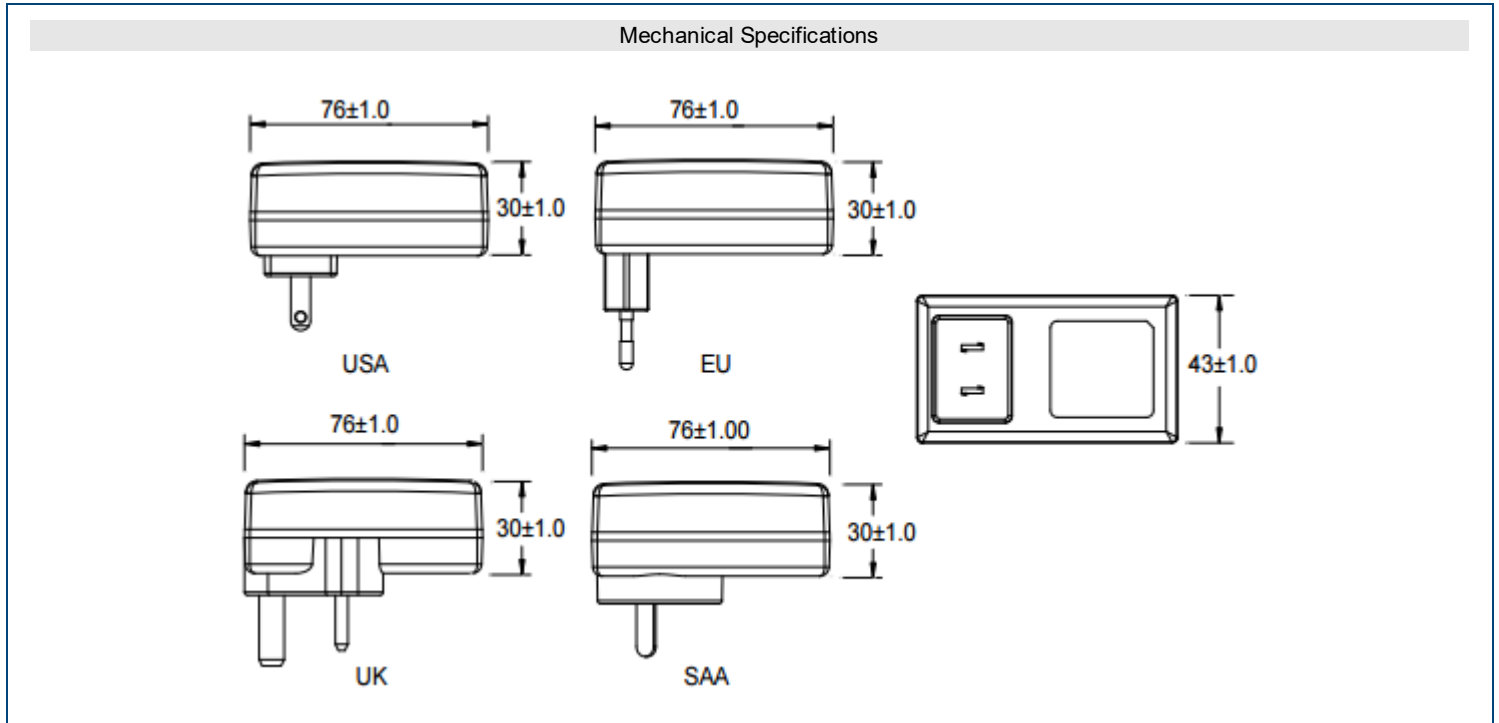
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
 We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤1		A
Inrush Current	At Cold Start		≤60		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth) ⁽¹⁾		See Table			
Hold-Up Time			≥8.3		mS
Turn-On Time			≤3		S
PROTECTION					
Short Circuit Protection		Auto Recovery			
Over Voltage Protection		Auto Recovery			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Operating Humidity		10		90	%
Storage Humidity		5		95	%
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level VI, CoC Tier 2			
PHYSICAL SPECIFICATIONS					
Weight		7.05oz (200g)			
Dimensions (L x W x H)		2.99 x 1.69 x 1.18in (76 x 43 x 30mm)			
AC Plug		U: USA, E: EU, K: UK, A: SAA			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals		UL/cUL ⁽⁴⁾ CB CE CCC			

NOTES

- (1) The "Y" in model name represents AC plug option. This can either be: "U" for USA plug type, "E" for EU plug type, "K" for UK plug type, "A" for SAA plug type. Please call factory for ordering details.
- (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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