

OPTIONS

- Horizontal or Vertical Case Type
- AC Plug Type (US, EU, or UK)
- Output Type (USB or Strain Relief)

FEATURES

- 12 Watts of Output Power
- Input Voltage Range of 100 to 240VAC
- Output Voltages Ranging from 5~24V
- RoHS Compliant
- Level VI Compliant
- Over Voltage, Over Current, and Short Circuit Protection
- USA, UK, and EU AC Plugs Available
- Horizontal or Vertical Package Available
- USB or SR (Strain Relief) Output Types Available
- UL/cUL UL60950, UL60065, CB, CE, and FCC Safety Approvals

DESCRIPTION

The WMEA1012 series of AC DC wall mount power supplies provides up to 12 watts of output power in a compact package. This series consists of single output models with input voltage ranging from 100-240VAC and output voltages ranging from 5V to 24V. There are three different AC plug types available for this series, US, EU or UK plugs, and there are two output types available, USB or Strain Relief. The case type is also available in horizontal or vertical form. All models in this series are RoHS and Level VI compliant and have over voltage, over current and short circuit protection. Models have UL/cUL UL60950, UL60065, CB, CE, and FCC safety approvals. Please call factory for order details.

MODEL SELECTION TABLE

Vertical Models

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽²⁾	Output Type	Output Power	Efficiency Level
			Min Load	Max Load				
WMEA1012AVxU	100~240VAC	5~8V	0A	2.4A	100mV	USB	12W	Level VI
WMEA1012AVxS						SR		
WMEA1012BVxU	100~240VAC	9~11V	0A	1.33A	180mV	USB	12W	Level VI
WMEA1012BVxS						SR		
WMEA1012CVxU	100~240VAC	12~17V	0A	1.0A	250mV	USB	12W	Level VI
WMEA1012CVxS						SR		
WMEA1012DVxU	100~240VAC	18~24V	0A	0.66A	350mV	USB	12W	Level VI
WMEA1012DVxS						SR		

MODEL SELECTION TABLE

Horizontal Models

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽²⁾	Output Type	Output Power	Efficiency Level
			Min Load	Max Load				
WMEA1012AHxU	100~240VAC	5~8V	0A	2.4A	100mV	USB	12W	Level VI
WMEA1012AHxS						SR		
WMEA1012BHxU	100~240VAC	9~11V	0A	1.33A	180mV	USB	12W	Level VI
WMEA1012BHxS						SR		
WMEA1012CHxU	100~240VAC	12~17V	0A	1.0A	250mV	USB	12W	Level VI
WMEA1012CHxS						SR		
WMEA1012DHxU	100~240VAC	18~24V	0A	0.66A	350mV	USB	12W	Level VI
WMEA1012DHxS						SR		

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.

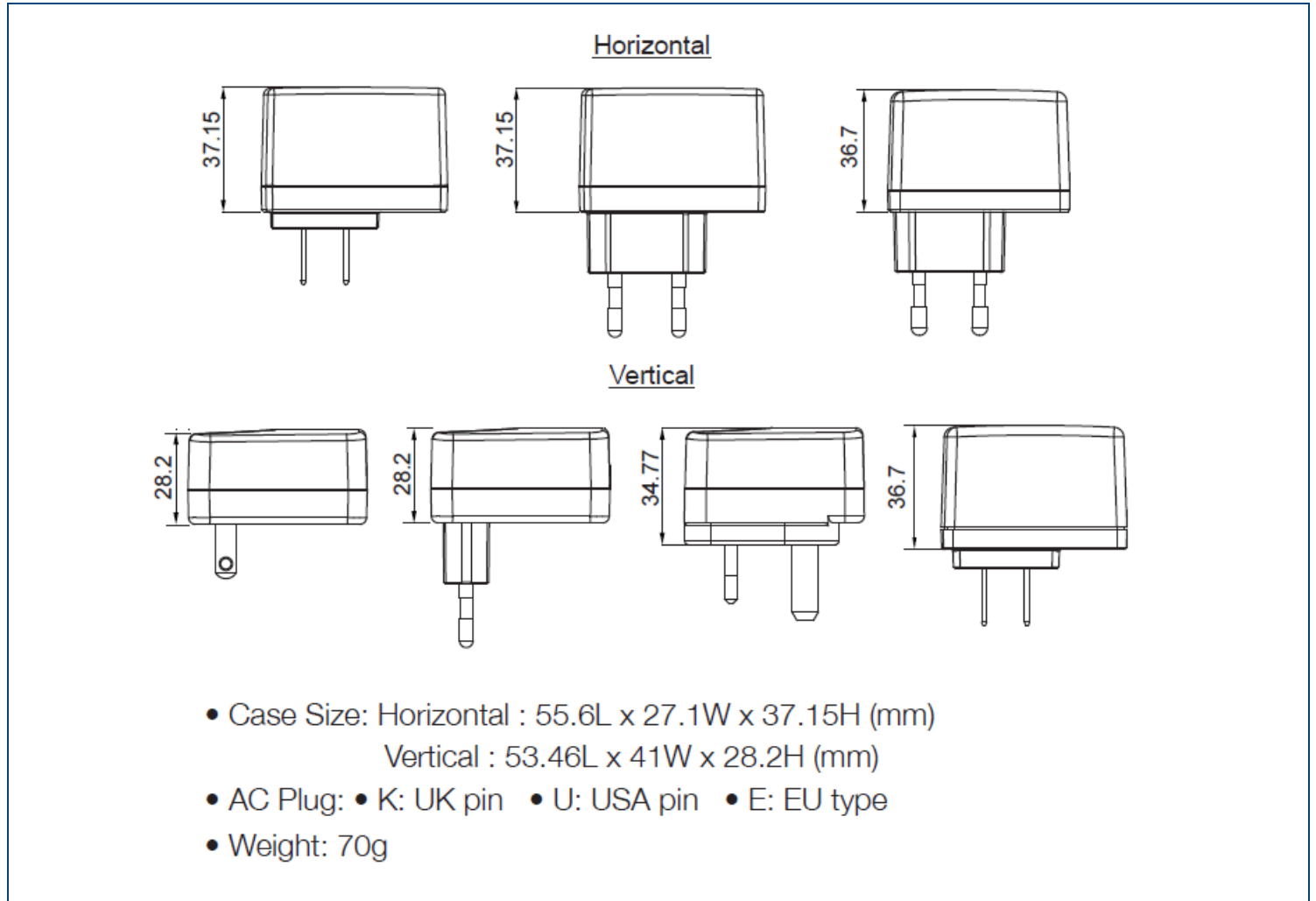
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤1.0		A
Inrush Current			≤60		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise		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			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Operating Humidity		10		90	%
Storage Humidity		5		95	%
MTBF		30,000			hours
PHYSICAL SPECIFICATIONS					
Weight		2.47oz (70g)			
Dimensions (L x W x H)	Vertical Models	US and EU Models	2.19in x 1.07in x 1.11in (53.46mm x 41mm x 28.2mm)		
		UK Models	2.19in x 1.07in x 1.37in (53.46mm x 41mm x 34.77mm)		
	Horizontal Models	US and EU Models	2.1in x 1.61in x 1.46in (55.6mm x 27.1mm x 37.15mm)		
SAFETY					
Safety Approvals		UL/cUL UL60950 ⁽⁵⁾ UL60065 ⁽⁵⁾ CB CE FCC			

NOTES

- (1) "x" in model number represents possible AC plug types. "x" can either be "U" for USA Plug, "E" for EU plug, or "K" for UK plug. Please note that UK plug is only available in vertical case form.
- (2) Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.1µF ceramic capacitor & parallel with 47µF 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) Certificates listed are for reference only. Please contact factory for details.
- (5) This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWINGS



MODEL NUMBER SETUP

WMEA1012	C	V	E	U
Series Name	Output Voltage	Case Type	AC Plug Type	Output Type
	A: 5~V B: 9~11V C: 12~17V D: 18~24V	V: Vertical H: Horizontal	U: USA E: EU K: UK	U: USB S: Strain Relief

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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