



South Africa



UK



SAA



EU



USA/China



Size: 2.25in x 1.54in x 1.34in (57.2mm x 39mm x 34mm)

OPTIONS

- Output Type (USB or SR)
- AC Plug Type (USA, China, EU, UK, SAA, or South Africa)

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, China, EU, UK, SAA, and South Africa AC Plugs Available
- Vertical Package
- USB or SR Output Types Available
- UL/cUL UL60950, UL60065, TUV/SUD EN/IEC 60950, CB, CE, FCC, and CCC Safety Approvals

DESCRIPTION

The WMIEA1012 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 five different interchangeable AC plug types available: US, China, EU, UK, SAA, or South Africa, and there are two output types available: USB or SR. 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, TUV/SUD EN/IEC 60950, CB, CE, FCC, and CCC 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				
WMIEA1012AVxU	100~240VAC	5~8V	0A	2.4A	100mV	USB	12W	Level VI
WMIEA1012AVxS						SR		
WMIEA1012BVxU	100~240VAC	9~11V	0A	1.33A	180mV	USB	12W	Level VI
WMIEA1012BVxS						SR		
WMIEA1012CVxU	100~240VAC	12~17V	0A	1.0A	250mV	USB	12W	Level VI
WMIEA1012CVxS						SR		
WMIEA1012DVxU	100~240VAC	18~24V	0A	0.66A	350mV	USB	12W	Level VI
WMIEA1012DVxS						SR		

SPECIFICATIONS

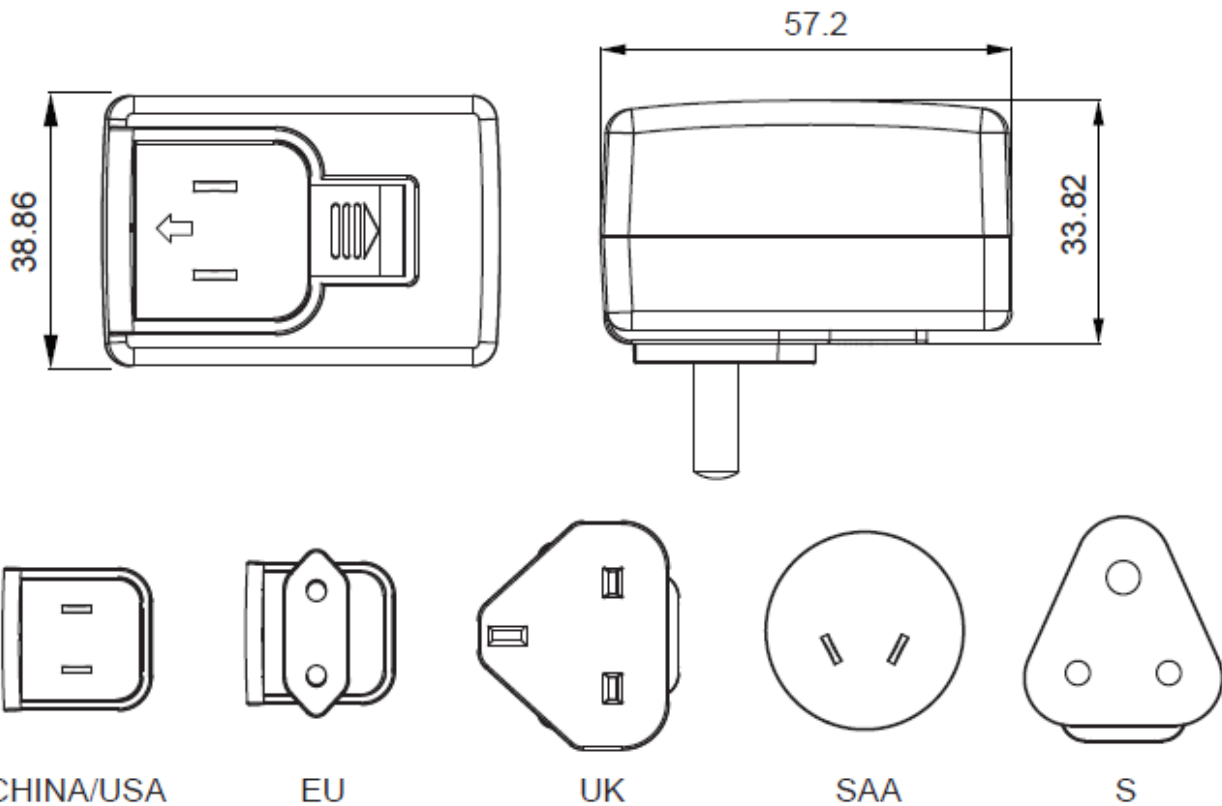
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

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)		2.25in x 1.54in x 1.34in (57.2mm x 39mm x 34mm)			
SAFETY					
Safety Approvals		UL/cUL UL60950 UL60065 TUV/SUD EN/IEC 60950 CB CE CCC FCC			

NOTES

- (1) "x" in model number represents possible AC plug types. "x" can either be "U" for USA Plug, "C" for China, "E" for EU plug, "K" for UK plug, "A" for SAA plug, "S" for South Africa plug, or "6" for all plugs.
- (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.

MECHANICAL DRAWINGS



- Case Size: 57.2L x 39W x 34H (mm)
- AC Inlet: Interchangeable AC plug type
- Weight: 70g

MODEL NUMBER SETUP

WMIEA1012	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	U: USA C: China E: EU K: UK A: SAA S: South Africa	U: USB S: SR

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 ISO9001-2008 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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