



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

FEATURES

- Input Voltage Range of 100-240VAC
- Vertical Case
- CEC Level VI (DoE) Compliant
- USB or Strain Relief Output Type
- Over Voltage, Over Current, and Short Circuit Protection
- China/USA, EU, UK, SAA, or South African Plugs Available
- UL/cUL, UL60601, TUV EN60601, CB 60601, CE, and FCC Safety Approvals

DESCRIPTION

The WMIEM1012 series of AC/DC power supplies with interchangeable plugs offers up to 12 watts of output power in a 2.25" x 1.54" x 1.34" vertical package. This series consists of single output models with input voltage range of 100-240VAC and several different options. Six different plug types are available: USA, China, EU, UK, SAA, or South African and either a USB or Strain Relief output type is available. This series has over voltage, over current, and short circuit protection as well as UL/cUL, UL60601, TUV EN60601, CB 6601, CE, and FCC safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise	Output Power
			Min Load	Max Load		
WMIEM1012A-xy	100~240VAC	5~8V	0A	2.4A	100mV	12W
WMIEM1012B-xy		9~11V	0A	1.33A	180mV	12W
WMIEM1012C-xy		12~17V	0A	1.0A	250mV	12W
WMIEM1012D-xy		18~24V	0A	0.66A	350mV	12W

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.

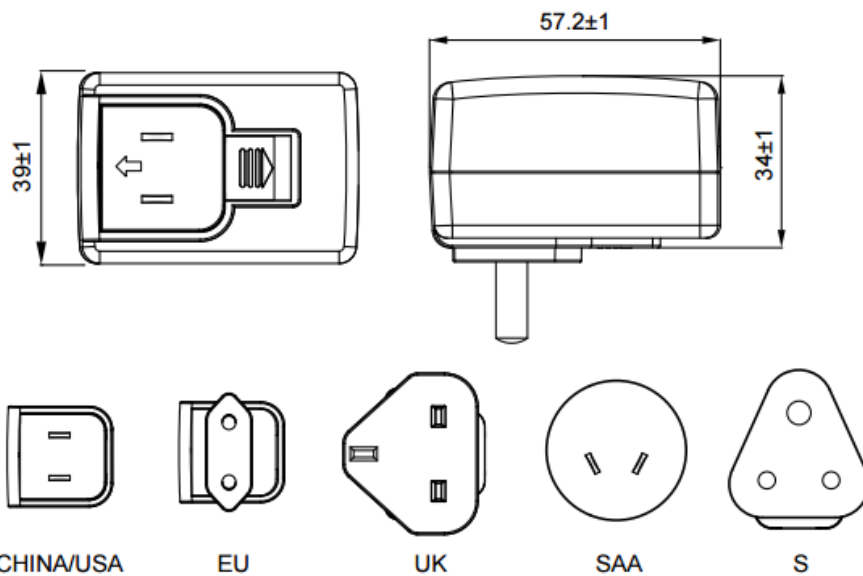
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current		≤1.0		0.5	A
Inrush Current			≤60		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽²⁾			±5		%
Load Regulation			±1		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise ⁽³⁾		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		100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level VI (DoE)			
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 CHARACTERISTICS					
Safety Approvals		UL/cUL, UL60601, TUV EN60601, CB 60601, CE, FCC			

NOTES

1. "X" in model number indicates plug type. "X" can either be "U" for US plug, "E" for EU plug, "K" for UK plug, "C" for China plug, "A" for SAA plug, or "S" for South Africa plug.
"Y" in model number indicates output type. "Y" can either be "USB" for USB output, or "SR" for SR output.
Example: WMIEM1012A-KUSB would be a model with UK plug and USB output.
2. Line Regulation is defined by changing $\pm 10\%$ of input voltage from nominal line at rated load.
3. 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.

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

MECHANICAL DRAWINGS



- Case Size: 57.2L x 39W x 34H (mm)
- AC Plug: • U: USA pin • C: CHINA pin • E: EU • K: UK
• A: SAA • S: South Africa
- Weight: 70g

MODEL NUMBER SETUP

WMIEM1012	A	-	X	y
Series Name	Output Voltage		Plug Type	Output Type
	A: 5~8V B: 9~11V C: 12~17V D: 18~24V		U: US Plug E: EU Plug K: UK Plug C: China Plug A: SAA Plug S: South Africa Plug	USB: USB Output SR: 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 ISO9001-2008 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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