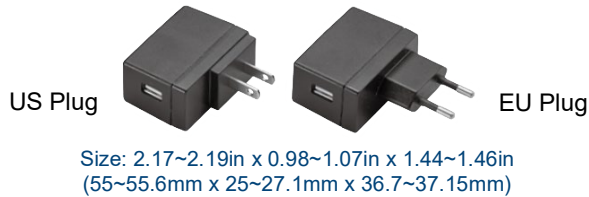


Vertical (USB & SR Type)



Horizontal (USB & SR Type)



FEATURES

- Input Range of 100 to 240VAC
- Vertical Or Horizontal Package
- USB or SR Type
- US and EU Plugs Available for all Package Types
- UK Plugs Available for Vertical Package Type
- Meets CEC Level VI
- RoHS Compliant
- Over Voltage, Short Circuit, and Over Current Protection
- UL/cUL, UL60601, CB 60601, CE, and FCC Safety Approvals

DESCRIPTION

The WMEM1012 series of AC/DC medical wall mount power supplies offers up to 12 watts of output power in a compact vertical or horizontal package. This series consists of single output models with a wide input range of 100 to 240VAC. Many options are available for this series including USB or SR type, vertical or horizontal package, and US, EU, or UK plug. This series is RoHS compliant, meets CEC Level VI, and has over voltage, short circuit and over current protection. It also has UL/cUL, UL60601, CB 60601, CE, and FCC safety approvals.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Min Load Output Current	Max Load Output Current	Ripple & Noise ⁽²⁾	Output Power
WMEM1012A-xyz	100~240VAC	5~8V	0A	2.4A	100mV	12 Watts Max.
WMEM1012B-xyz		9~11V	0A	1.33A	180mV	
WMEM1012C-xyz		12~17V	0A	1.0A	250mV	
WMEM1012D-xyz		18~24V	0A	0.66A	350mV	

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			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise ⁽²⁾		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		CEC Level VI (DoE)			

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
PHYSICAL SPECIFICATIONS						
Weight			2.47oz (70g)			
Dimensions (L x W x H)	Horizontal Case	USB	2.19in x 1.07in x 1.46in (55.6mm x 27.1mm x 37.15mm)			
		SR	2.17in x 0.98in x 1.44in (55mm x 25mm x 36.7mm)			
	Vertical Case	USA, EU Plugs	2.10in x 1.61in x 1.16in (53.46mm x 41mm x 29.4mm)			
		UK Plugs	2.10in x 1.61in x 1.37in (53.46mm x 41mm x 34.77mm)			
SAFETY CHARACTERISTICS						
Safety Approvals ⁽³⁾			UL/cUL UL60601 CB 60601 CE FCC			

NOTES

1. "X" in model number indicates case direction. "X" can either be "V" for Vertical or "H" or Horizontal. "Y" in model number indicates plug type. "Y" can either be "U" for US plug, "E" for EU plug, or "K" for UK plug. Please note that UK plug is not available for horizontal mount. "Z" in model number indicates output type. "Z" can either be "USB" for USB output, or "SR" for SR output. Example: WMEM1012A-VKUSB would be a Vertical model with UK plug and USB output.
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. This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWINGS

Horizontal (USB & SR Types)

Vertical (USB & SR Types)

- Case Size: Horizontal: USB: 55.6L x 27.1W x 37.15H (mm)
SR: 55L x 25W x 36.7H (mm)
Vertical: USA, EU: 53.46L x 41W x 29.4H (mm)
UK: 53.46L x 41W x 34.77H (mm)
- AC Plug: • K: UK Pin • U: USA Pin • E: EU Pin
- Weight: 70g

MODEL NUMBER SETUP

WMEM1012	A	-	X	Y	Z
Series Name	Output Range		Case Direction	Plug	Output Type
	A: 5~8V B: 9~11V C: 12~17V D: 18~24V		V: Vertical H: Horizontal	U: US Plug E: EU Plug K: UK Plug U: US Plug E: EU Plug	USB: USB Output SR: SR Output

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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