

Size: 1.53in x 1.34 x 2.25in (39mm x 34mm x 57.2mm)

FEATURES

- Wide Input Voltage Range of 100-240VAC
- Meets CEC Level VI (DoE)
- Six Interchangeable Plugs Available
- RoHS Compliant
- Vertical Case with SR Output
- Over Voltage, Over Current, and Short Circuit Protection
- UL/cUL, UL60601, CB 60601, CE, and FCC Safety Approvals

DESCRIPTION

The WMIEM1019 series of medical AC/DC power supplies with six interchangeable plugs offers up to 24 watts of output power in a compact package. This series consists of single output models with a wide input voltage range of 100~240VAC. Each model has over voltage, over current, and short circuit protection, is CEC Level VI (DoE) compliant, and has UL/cUL, UL60601, CB 60601, CE, and FCC safety approvals. Please contact factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Min. Output Current	Max. Output Current	Ripple & Noise ⁽²⁾	Output Power
WMIEM1019Ax	100~240VAC	5-8V	0A	3A	100mV	15W
WMIEM1019Bx		9-13V	0A	2A	180mV	20W
WMIEM1019Cx		14-19V	0A	1.42A	200mV	20W
WMIEM1019Dx		20-27V	0A	1.0A	250mV	20W
WMIEM1019Ex		28-35V	0A	0.71A	280mV	20W
WMIEM1019Fx		36-48V	0A	0.55A	360mV	20W
WMIEM1019Gx		5-8V	0A	3A	100mV	18W
WMIEM1019Hx		9-13V	0A	2A	180mV	24W
WMIEM1019Jx		14-19V	0A	1.71A	200mV	24W
WMIEM1019Kx		20-27V	0A	1.2A	250mV	24W
WMIEM1019Mx		28-35V	0A	0.85A	280mV	24W
WMIEM1019Nx		36-48V	0A	0.66A	360mV	24W

SPECIFICATIONS

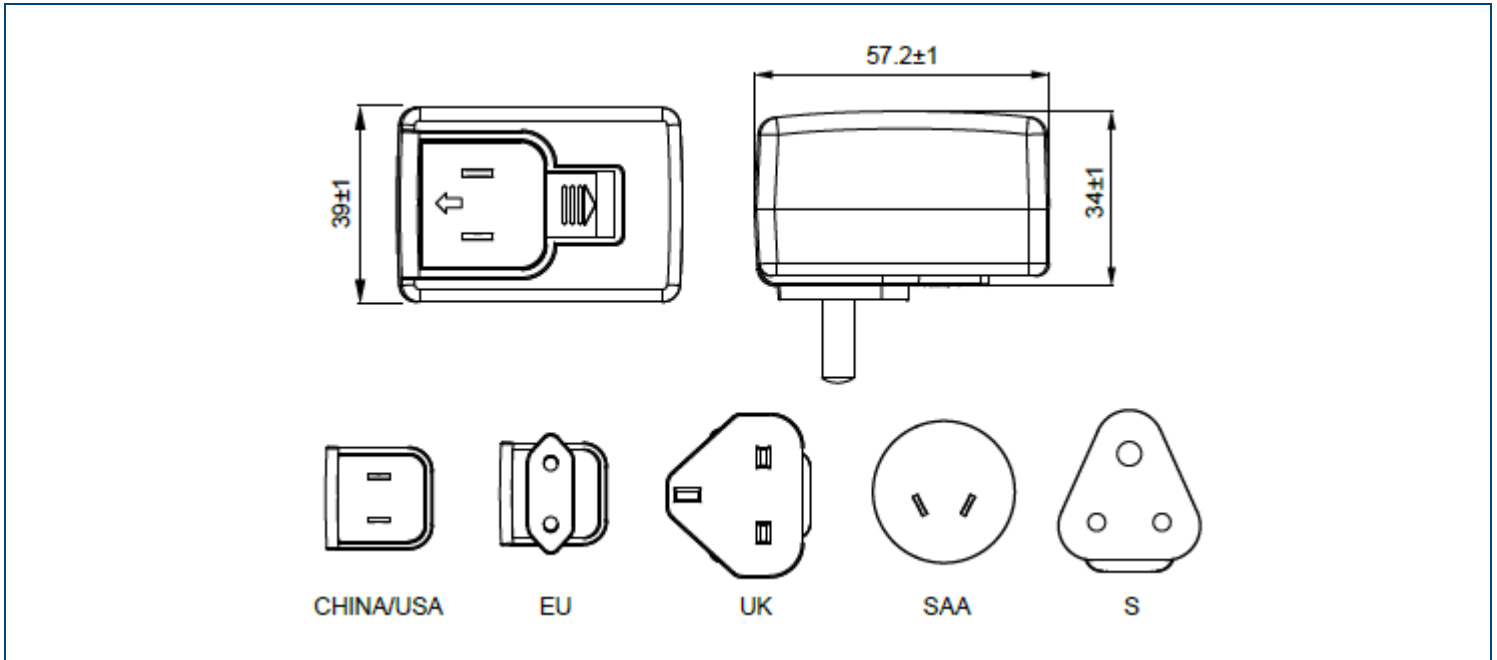
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current			≤0.8		A
Inrush Current	@230VAC Cold Start, Maximum Load		≤80		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
No Load Power			≤0.1		W
Ripple & Noise		See Table			
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
Storage Humidity		5		90	%
MTBF		100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level VI (DoE)			
PHYSICAL SPECIFICATIONS					
Weight		5.29oz (150g)			
Dimensions (L x W x H)		1.53in x 1.34in x 2.25in (39mm x 34mm x 57.2mm)			
SAFETY CHARACTERISTICS					
Safety Approvals		UL/cUL ⁽⁴⁾ , UL60601, CB 60601, CE, FCC			

NOTES

1. "X" in model number indicates plug type. "X" can be "U" for USA plug, "C" for China plug, "E" for EU plug, "K" for UK plug, "A" for SAA plug, or "S" for South African plug.
2. Ripple & Noise is measured 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 $\pm 10\%$ 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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