



Size: 2.25in x 1.33in x 1.53in (57.2mm x 33.82mm x 38.86mm)

OPTIONS

- Interchangeable Plug Type (USA, China, EU, UK, SAA, South Africa)
- Output Cable

FEATURES

- Wide Input Voltage Range of 100VAC to 240VDC
- Output Voltage Range of 5V to 48V
- Maximum Power of 20 Watts
- RoHS Compliant
- Meets CEC Level V, VI Efficiency
- Five Interchangeable Plug Types Available: USA/China, EU, UK, SAA, and South Africa
- Short Circuit, Over Voltage, Over Current, and Over Temperature Protection
- Single Output
- Meets IEC60950 Safety Approval

DESCRIPTION

The WMIEA1019 series of interchangeable wall mount power supplies offers up to 20 watts of output power in a compact 2.25" x 1.33" x 1.53" package. This series consists of single output models with output voltages ranging from 5V to 48V and wide input voltage range of 100VAC to 240VDC. Each model in this series is RoHS compliant and meets CEC Level V, VI efficiency. Each model is also protected against short circuit, over voltage, over current, and over temperature conditions and meets IEC60950 safety approval. Five interchangeable plug types are available for the WMIEA1019 series: USA/China plug, EU plug, UK plug, SAA plug, and South Africa plug. Optional output cables are also available. Please call factory for order details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage Options ⁽²⁾	Output Current		Ripple & Noise ⁽³⁾	Output Power	Efficiency Level
			Min Load	Max Load			
WMIEA1019Ax	100VAC~240VDC	5-8V	0A	3A	100mV	15W	Level V, VI
WMIEA1019Bx		9-13V	0A	2A	150mV	18W	
WMIEA1019Cx		14-19V	0A	1.42A	200mV	20W	
WMIEA1019Dx		20-27V	0A	1A	250mV	20W	
WMIEA1019Ex		28-35V	0A	0.71A	280mV	20W	
WMIEA1019Fx		36-48V	0A	0.55A	360mV	20W	

SPECIFICATIONS

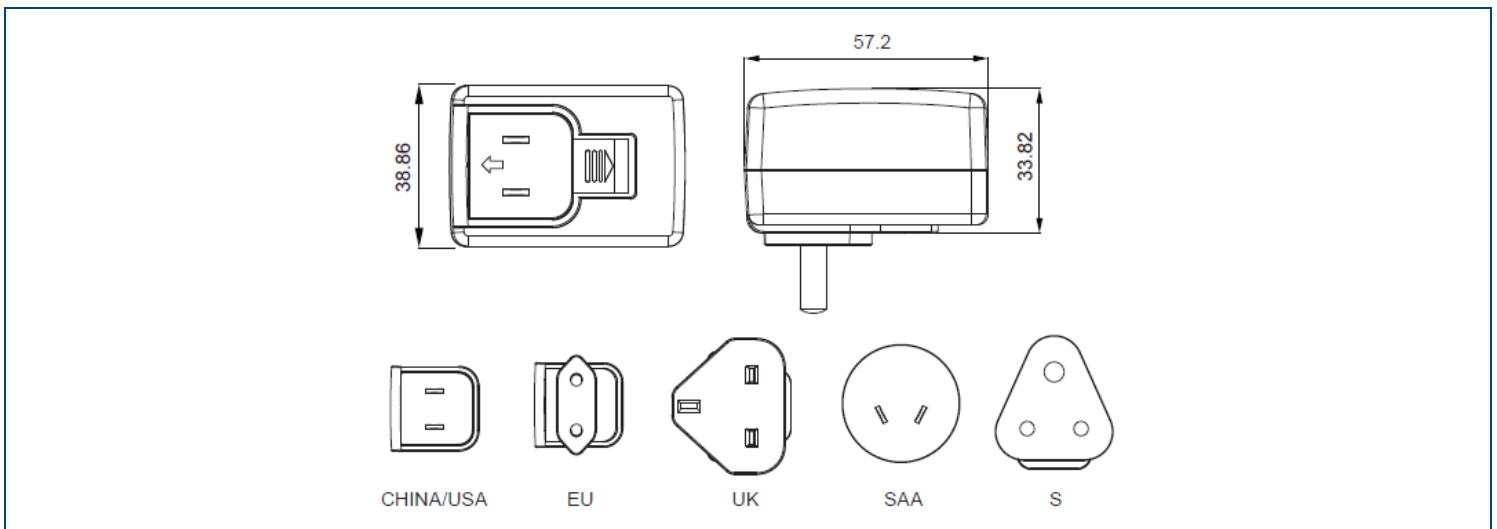
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100VAC-240VDC			
Input Current			≤0.8		A
Inrush Current	@230VAC, Cold Start, Maximum Load		≤60		A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽⁴⁾		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			A
No Load Power			≤0.1		W
Ripple & Noise (20MHz bandwidth) ⁽³⁾		See Table			
Turn On Time			≤3		S
PROTECTION					
Short Circuit Protection		Auto Recovery			
Over Current Protection		Auto Recovery			
Over Voltage Protection		Auto Recovery			
Over Temperature Protection		Latch Mode			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Storage Humidity		5		90	%
MTBF		30,000			Hours
PHYSICAL SPECIFICATIONS					
Weight		5.29oz (150g)			
Dimensions (L x W x H)		2.25in x 1.33in x 1.53in (57.2mm x 33.82in x 38.86in)			
SAFETY					
Safety Approvals		IEC60950			

NOTES

- (1) "x" in model number represents the AC Plug Type. "x" can either be "UC" for USA/China plug, "E" for EU plug, "K" for UK plug, "A" for SAA plug, "S" for South Africa plug, or "5" for all plugs.
- (2) Specify necessary output voltage. Ex: 12V
- (3) 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.
- (4) Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- (5) Certificates listed are for reference only. Please contact factory for details.

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 ISO9001-2008 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.

Contact **Wall Industries** for further information:

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