



Size: 2.36in x 1.54in x 1.02in
 (60.5mm x 39mm x 26.5mm)

FEATURES

- Input Voltage Range of 100-240VAC
- RoHS Compliant
- DoE Level VI Compliant
- USA, EU, UK, SAA, and China Plugs Available
- Strain Relief Output Type
- Over Voltage, Over Current, and Short Circuit Protection
- UL/cUL, UL60601, CB 60601, CE, and FCC Safety Approvals

DESCRIPTION

The WMEM1019 series of AC/DC wall mount power supplies offers up to 24 watts of output power in a 2.36" x 1.54" x 1.02" case size. This series consists of single output and an input voltage range of 100-240VAC. Each model in this series is RoHS and DOE level VI compliant and has over voltage, over current, and short circuit protection. This series also has UL/cUL, UL60601, CB 60601, CE, and FCC safety approvals. Please call factory for order details

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise	Output Power
			Min Load	Max Load		
WMEM1019Axy	100-240VAC	5-8V	0A	3.0A	100mV	15W
WMEM1019Bxy		9-13V	0A	2.0A	150mV	20W
WMEM1019Cxy		14-19V	0A	1.42A	200mV	20W
WMEM1019Dxy		20-27V	0A	1.0A	250mV	20W
WMEM1019Exy		28-35V	0A	0.71A	280mV	20W
WMEM1019Fxy		36-48V	0A	0.55A	360mV	20W
WMEM1019Gxy		5-8V	0A	3.0A	100mV	18W
WMEM1019Hxy		9-13V	0A	2.0A	180mV	24W
WMEM1019Jxy		14-19V	0A	1.71A	200mV	24W
WMEM1019Kxy		20-27V	0A	1.2A	250mV	24W
WMEM1019Mxy		28-35V	0A	0.85A	280mV	24W
WMEM1019Nxy		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.

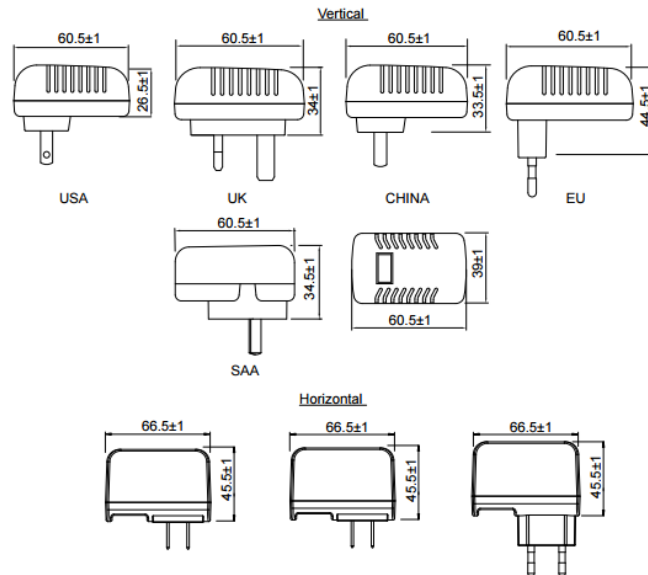
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Current			≤0.8		A
Inrush Current	@230VAC, cold start, maximum load				
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽²⁾			±1		%
Load Regulation			±5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise ⁽³⁾		See Table			
No Load Power			≤0.1		W
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 DOE Level VI			
PHYSICAL SPECIFICATIONS					
Weight		4.23oz (120g)			
Dimensions (L x W x H)	Vertical Case	2.36in x 1.54in x 1.02in (60.5mm x 39mm x 26.5mm)			
	Horizontal Case	2.62in x 1.02in x 1.79in (66.5mm x 26mm x 45.5mm)			
SAFETY CHARACTERISTICS					
Safety Approvals ⁽⁵⁾		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" for Horizontal.
"Y" in model number indicates plug type. "Y" can either be "U" for USA plug, "E" for EU plug, "K" for UK plug, "A" for SAA plug, or "C" for China plug. Please note that UK and SAA plugs are not available for Horizontal case.
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.
4. Please note there is a 500pc min. production order required.
5. This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWINGS



- Case Size: Vertical: 60.5L x 39W x 26.5H (mm)
Horizontal: 66.5L x 26W x 45.5H (mm)
- AC Plug: U: USA, E: EU, K: UK, A: SAA, C: CHINA
- Weight: 120g

MODEL NUMBER SETUP

WMEM1019	A	X	y
Series Name	Output Voltage	Case Direction	Plug Type
	A/G: 5-8V B/H: 9-13V C/J: 14-19V D/K: 20-27V E/M: 28-35V F/N: 36-48V	V: Vertical H: Horizontal	K: UK Plug A: SAA Plug U: US Plug E: EU Plug C: China Plug

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.

Contact **Wall Industries** for further information:

Phone: ☎ (603)778-2300
Toll Free: ☎ (888)597-9255
Fax: ☎ (603)778-9797
E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833

©2019 Wall Industries, Inc. Specifications subject to change without notice. Wall Industries is not responsible for typographical errors. The information contained herein is for informational purposes only. This information is provided by Wall Industries and we make no representations or warranties of any kind, express or implied, about the completeness, accuracy, reliability, suitability or availability with respect to the information contained in this document for any purpose. All product and manufacturer names are trademarks or registered trademarks of their respective companies.