



Size:
2.90 x 1.69 x 1.28 inches

Weight:
7.05oz (200g)

AC Plug Types:

- Unites States ("U" Suffix)
- South Africa ("S" Suffix)
- United Kingdom ("K" Suffix)
- China ("C" Suffix)
- Europe ("E" Suffix)
- Australia ("A" Suffix")

FEATURES

- RoHS Compliant
- 100~240VAC Input Voltage Range
- 16~36 Watts Output Power
- Over Voltage & Short Circuit Protection
- 0 to +40°C Operating Temperature Range
- CEC Level V, VI Compliant (DoE)
- Several Output Connector Options Available
- Single Outputs Ranging from 5VDC to 48VDC
- UL/cUL, UL60601, CB 60601, CE, & FCC Safety Approvals
- United States, China, United Kingdom, Europe, Australia, and South Africa Plug Types Available

DESCRIPTION

The WMIPEM1024 series of medical AC/DC wall mount power supplies provides up to 36 watts of output power in a 2.90" x 1.69" x 1.28" package. This series consists of single output models ranging from 5VDC to 48VDC with an input voltage range of 90~264VAC. This series is RoHS compliant and meets CEC Level V, VI requirements. This series also has UL/cUL, UL60601, CB 60601, CE and FCC safety approvals. These supplies are protected against over voltage and short circuit conditions. Interchangeable plugs are sold separately and are available in United States (U suffix), China (C suffix), United Kingdom (K suffix), Europe (E suffix), Australia (A suffix), and South Africa (S suffix) types.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage ⁽²⁾	Output Current		Load Regulation	Line Regulation	Ripple & Noise ⁽³⁾	Output Power
			Min	Max				
WMIPEM1024A x	100 ~ 240 VAC	5 ~ 8 VDC	0A	2.0A	±5%	±1%	100mV	16W
WMIPEM1024B x		5 ~ 8 VDC	0A	3.0A	±5%	±1%	100mV	20W
WMIPEM1024C x		5 ~ 8 VDC	0A	4.0A	±5%	±1%	100mV	24W
WMIPEM1024D x		9 ~ 11 VDC	0A	1.5A	±5%	±1%	250mV	18W
WMIPEM1024E x		9 ~ 11 VDC	0A	2.0A	±5%	±1%	250mV	24W
WMIPEM1024F x		9 ~ 11 VDC	0A	3.0A	±5%	±1%	250mV	27W
WMIPEM1024G x		12 ~ 17 VDC	0A	1.66A	±5%	±1%	250mV	20W
WMIPEM1024H x		12 ~ 17 VDC	0A	2.5A	±5%	±1%	250mV	30W
WMIPEM1024J x		18 ~ 24 VDC	0A	1.33A	±5%	±1%	350mV	24W
WMIPEM1024K x		18 ~ 24 VDC	0A	1.66A	±5%	±1%	350mV	30W
WMIPEM1024M x		36 ~ 48 VDC	0A	0.55A	±5%	±1%	480mV	20W
WMIPEM1024N x		36 ~ 48 VDC	0A	0.83A	±5%	±1%	480mV	30W
WMIPEM1024P x		12 VDC	0A	3.0A	±5%	±1%	250mV	36W
WMIPEM1024Q x		12 VDC	0A	2.0A	±5%	±1%	250mV	24W
WMIPEM1024R x		24 VDC	0A	1.5A	±5%	±1%	350mV	36W

SPECIFICATIONS: WMIPEM1024 SERIES

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.

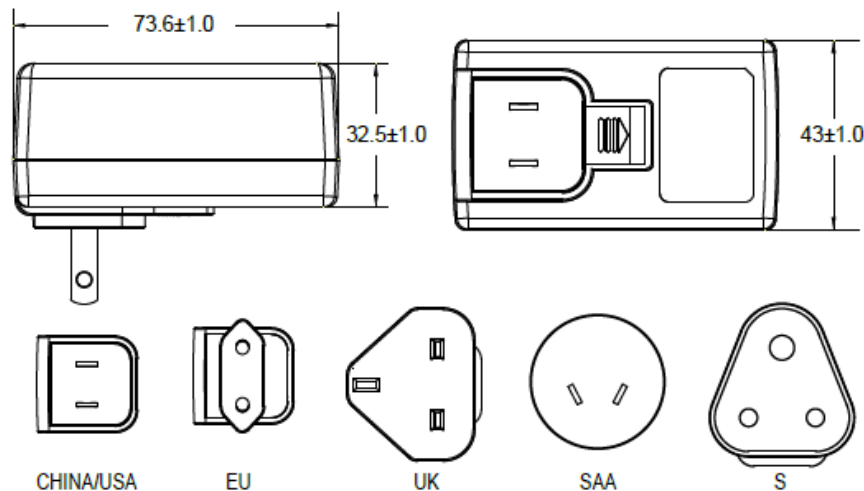
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage		100		240	VAC
Input Frequency		50		60	Hz
Input Current		0.5		1.0	A
Inrush Current	Cold start			≤60	A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	Defined by changing ±10% of input voltage from nominal line at rated load	-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			mA
Ripple & Noise	20MHz limited bandwidth	See Table			
Hold-Up Time		≥8.3			ms
Turn-on Time		≤3			s
PROTECTION					
Over Voltage Protection		Automatic recovery			
Short Circuit Protection		Automatic recovery			
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level V, VI			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		+40	°C
Storage Temperature		-20		+85	°C
Operating Humidity		10		90	%
Storage Humidity		5		95	%
MTBF		100,000			hours
PHYSICAL SPECIFICATIONS					
Dimensions (L x W x H)		2.90 x 1.69 x 1.28 inch (73.6 x 43 x 32.5 mm)			
Weight		7.05oz (200g)			
Output Connector		Contact factory for options			
AC Plug Types	“U” suffix	United States			
	“K” suffix	United Kingdom			
	“E” suffix	Europe			
	“A” suffix	Australia			
	“C” suffix	China			
	“S” suffix	South Africa			
SAFETY & COMPLIANCE					
Compliance		RoHS and CEC Level V, VI			
Safety Approvals ⁽⁶⁾	UL/cUL, UL60601, CB 60601, CE, FCC				

NOTES

- The "x" in the model number represents the type of AC plug: "x" can be "U" for United States type, "C" for China type, "K" for United Kingdom type, "E" for Europe type, "A" for Australia type, or "S" for South Africa type.
- The output voltage is specified as a range (Ex: 36~48 VDC); the customer must specify what they want the voltage set at.
- Ripple and 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.
- Optional output connectors are available. Please call factory for ordering details.
- Certificates listed are for reference only, please contact factory for details.
- This product is Listed to applicable standards and requirements by UL.

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

MECHANICAL DRAWING



- Case Size: 73.6L x 43W x 32.5H (mm)
- AC Inlet: U: USA, C: China, E: EU, K: UK, A: SAA, S: South Africa
- Weight: 200g

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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