

Size:
2.90 x 1.69 x 1.28 inches

Weight:
7.05oz (200g)

AC Plug Types:

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

FEATURES

- RoHS & WEEE Compliant
- 90-264VAC 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
- Several Output Connector Options Available
- Single Outputs Ranging from 5VDC to 48VDC
- UL/cUL 60601-1: 3rd Edition & TUV/SUD EN/IEC 60601-1: 3rd Edition Medical 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 and WEEE compliant and meets CEC Level V, VI requirements. This series also has UL/cUL 60601-1 and TUV/SUD EN/IEC 60601-1: 3rd edition medical 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				
WMIPEM1024Ax	100 ~ 240 VAC	5 ~ 8 VDC	0A	2.0A	±5%	±1%	100mVp-p	16W
WMIPEM1024Bx		5 ~ 8 VDC	0A	3.0A	±5%	±1%	100mVp-p	20W
WMIPEM1024Cx		5 ~ 8 VDC	0A	4.0A	±5%	±1%	100mVp-p	24W
WMIPEM1024Dx		9 ~ 11 VDC	0A	1.5A	±5%	±1%	250mVp-p	18W
WMIPEM1024Ex		9 ~ 11 VDC	0A	2.0A	±5%	±1%	250mVp-p	24W
WMIPEM1024Fx		9 ~ 11 VDC	0A	3.0A	±5%	±1%	250mVp-p	27W
WMIPEM1024Gx		12 ~ 17 VDC	0A	1.66A	±5%	±1%	250mVp-p	20W
WMIPEM1024Hx		12 ~ 17 VDC	0A	2.5A	±5%	±1%	250mVp-p	30W
WMIPEM1024Jx		18 ~ 24 VDC	0A	1.33A	±5%	±1%	350mVp-p	24W
WMIPEM1024Kx		18 ~ 24 VDC	0A	1.66A	±5%	±1%	350mVp-p	30W
WMIPEM1024Mx		36 ~ 48 VDC	0A	0.55A	±5%	±1%	480mVp-p	20W
WMIPEM1024Nx		36 ~ 48 VDC	0A	0.83A	±5%	±1%	480mVp-p	30W
WMIPEM1024Px		12 VDC	0A	3.0A	±5%	±1%	250mVp-p	36W
WMIPEM1024Qx		12 VDC	0A	2.0A	±5%	±1%	250mVp-p	24W
WMIPEM1024Rx		24 VDC	0A	1.5A	±5%	±1%	350mVp-p	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.

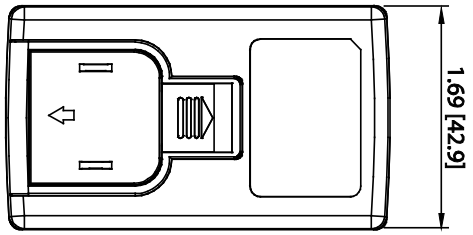
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage	Rated input voltage range	100	115/230	240	VAC
	Operating input voltage range	90	115/230	264	
Input Frequency		47	50/60	63	Hz
Input Current		0.5		1.0	A
Inrush Current	Cold start			60	A
No load Power Consumption	115VAC/60Hz; 230VAC/50Hz			0.3	W
OUTPUT SPECIFICATIONS					
Output Voltage(2)		See Table			
Line Regulation		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Minimum Load		0			mA
Ripple & Noise(3)	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			
Withstand Voltage	5mA, 2 sec between primary and secondary circuit	4000			VAC
Isolation Resistance	500VDC, 3 seconds between primary and secondary	50			MΩ
Leakage Current	240VAC/50Hz			100	µA
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		+40	°C
Storage Temperature		-20		+85	°C
Operating Humidity		10		90	%
Storage Humidity		5		95	%
Cooling		Free air convection			
MTBF		30,000			hours
PHYSICAL SPECIFICATIONS					
Dimensions (L x W x H)		2.90 x 1.69 x 1.28 inch (73.6 x 42.9 x 32.4 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, WEEE, and CEC Level V, VI			
Safety Approvals		UL/cUL 60601-1: 3rd Edition			
		TUV/SUD EN/IEC 60601-1: 3rd Edition			
		CB, CE, FCC CCC			

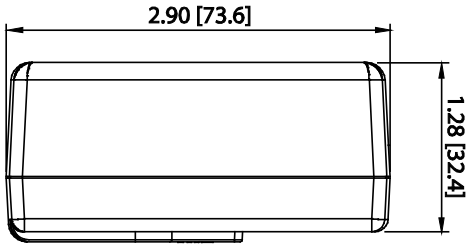
NOTES

1. 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.
2. The output voltage is specified as a range (Ex: 36~48 VDC); the customer must specify what they want the voltage set at.
3. Ripple and Noise is measured at nominal line and full load with 20MHz bandwidth and a 0.1µF ceramic capacitor and 47µF aluminum capacitors in parallel across the output.
4. Optional output connectors are available. Please call factory for ordering details.

MECHANICAL DRAWING

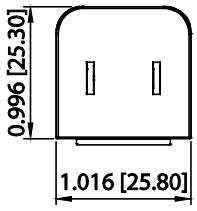
Unit: inches [mm]



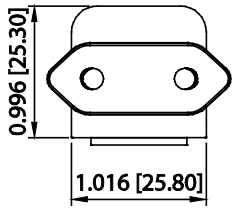


Tolerance: ±0.04 [±1]

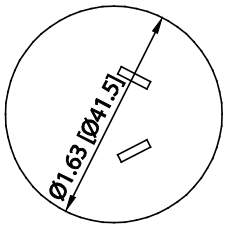
Interchangeable Plug Options



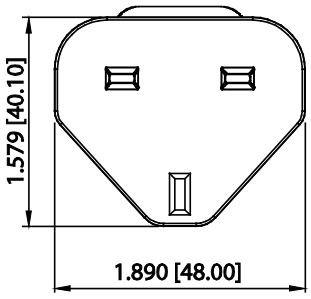
United States (Suffix "U")



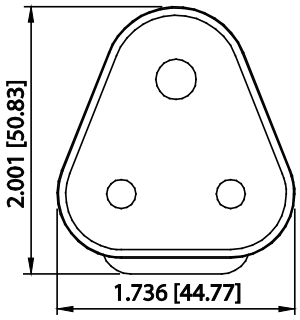
Europe (Suffix "E")



Australia (Suffix "A")



United Kingdom (Suffix "K")



South Africa (Suffix "S")

*** Intercangeable plugs are sold separately so please add the suffix for the desired plug to the model number.**

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.

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