



Size: 2.90 x 1.69 x 1.28 in

OPTIONS

- AC Plug
- Output Voltage
- Output Power

FEATURES

- RoHS Compliant
- Energy Level V and VI compliant
- Interchangeable AC Plugs available for USA, China, EU, UK, SAA, and South Africa.
- Output Voltage up to 48Volts
- Over voltage and short circuit protection
- UL/cUL UL60950, CB, CE, FCC, and CCC safety approvals

DESCRIPTION

The WMIPEA1024 series of AC DC power supplies provides up to 36 Watts of continuous output power in a 2.9" x 1.69" x 1.28" package. All models have a single output and a wide input voltage range of 100~240VAC. This series is RoHS compliant and meets CEC Level V, VI requirements. This series also has UL/cUL 60950, CB, CCC, FCC, and CE safety approvals. All models are protected against short circuit and over voltage conditions. Six interchangeable AC plugs are available for this series: USA, China, EU, UK, SAA, and South Africa. Please call factory for ordering details.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current		Ripple & Noise ⁽¹⁾	Output Power ⁽²⁾	Efficiency
			Min Load	Max Load			
WMIPEA1024AR	100-240VAC 50-60Hz	5~8V	0A	2A	100mV	16W	Level V, VI
WMIPEA1024BR		5~8V	0A	3A	100mV	20W	Level V, VI
WMIPEA1024CR		5~8V	0A	4A	100mV	24W	Level V, VI
WMIPEA1024DR		9~11V	0A	1.5A	250mV	18W	Level V, VI
WMIPEA1024ER		9~11V	0A	2A	250mV	24W	Level V, VI
WMIPEA1024FR		9~11V	0A	3A	250mV	27W	Level V, VI
WMIPEA1024GR		12~17V	0A	1.66A	250mV	20W	Level V, VI
WMIPEA1024HR		12~17V	0A	2.5A	250mV	30W	Level V, VI
WMIPEA1024JR		18~24V	0A	1.33A	350mV	24W	Level V, VI
WMIPEA1024KR		18~24V	0A	1.66A	350mV	30W	Level V, VI
WMIPEA1024MR		36~48V	0A	0.55A	480mV	20W	Level V, VI
WMIPEA1024NR		36~48V	0A	0.83A	480mV	30W	Level V, VI
WMIPEA1024PR		12V	0A	3A	250mV	36W	Level V, VI
WMIPEA1024QR		12V	0A	2A	250mV	24W	Level V, VI
WMIPEA1024RR		24V	0A	1.5A	350mV	36W	Level V, VI

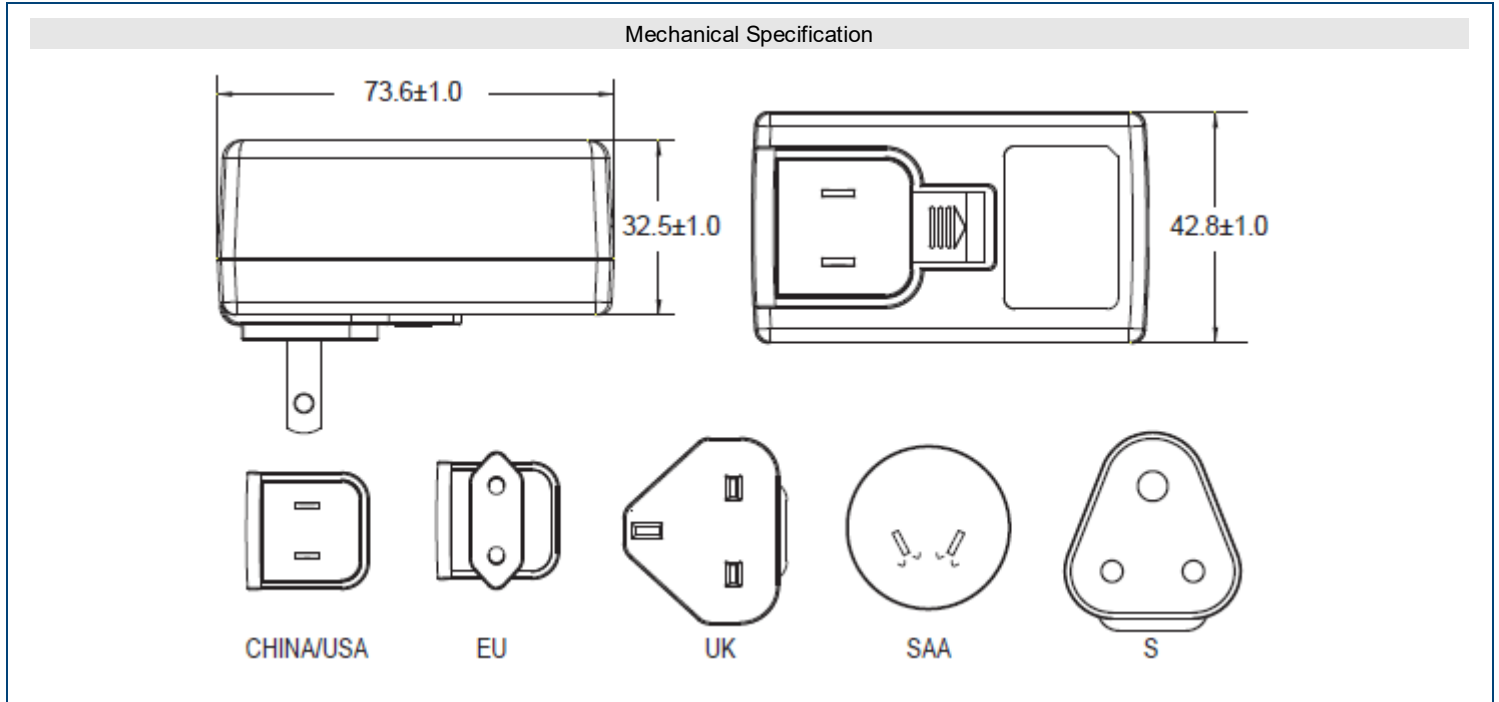
SPECIFICATIONS					
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted. We reserve the right to change specifications based on technological advances.					
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage Range		100		240	VAC
Input Frequency		50		60	Hz
Input Current				1	A
Inrush Current	At cold start			60	A
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation ⁽³⁾		-1		+1	%
Load Regulation		-5		+5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth)		See Table			
Hold-Up Time		8.3			mS
Start-Up Time				3	S
PROTECTION					
Short Circuit Protection		Auto Recovery			
Over Voltage Protection		Auto Recovery			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		0		40	°C
Storage Temperature		-20		85	°C
Operating Humidity		10		90	%
Storage Humidity		5		95	%

SPECIFICATIONS					
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SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
GENERAL SPECIFICATIONS					
Efficiency		Meets CEC Level V, VI			
PHYSICAL SPECIFICATIONS					
Weight		7.05oz (200g)			
Dimensions (L x W x H)		2.90 x 1.69 x 1.28 in (73.6 x 42.8 x 32.5 mm)			
AC Plug		U: USA C: China E: Eu K: UK A: SAA S: South Africa			
SAFETY & EMC CHARACTERISTICS					
Safety Approvals		UL/cUL UL60950 ⁽⁴⁾ CB CE FCC CCC			

NOTES

- (1) 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.
 - (2) Max. Power (W)=Vo x Io
 - (3) Line regulation is defined by changing ±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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