



Economy Version



Size: 2.95in x 1.71in x 1.58in (75mm x 43.5mm x 40.2mm)

OPTIONS

- Single output options available from 5VDC to 48VDC
- Interchangeable Plug
- Optional Output Connectors

FEATURES

- Class II
- Economy Version of our **WMISPU26 Series**
- Up to 25 Watts
- RoHS2 Compliant
- Energy Star 2.0, Efficiency Level VI Compliant
- 100% Burn In Tested
- 1 Year Warranty
- Wide Input Voltage Range: 90~264VAC, 47~63Hz
- MTBF>100,000 Hours
- UL60950-1:2nd Edition, IEC 60950-1:2005/A2:2013, and EN60950-1:2006/A2:2013 Safety Approvals
- Meets FCC Part-15 Class B and CISPR-22 Class B Emission Limits
- Interchangeable Plug Options: EU, UK, AUS, and US Types
- Optional Output Connectors

APPLICATIONS

- POS System
- AV Equipment
- Industrial PC
- Note PC
- Charger
- LED Lighting

DESCRIPTION

The WMIEPU26 Series of Class II AC/DC wall mount power supplies offers up to 25 watts of output power in a 2.95" x 1.71" x 1.58" package. This series consists of single output models ranging from 5 to 48VDC with a wide input voltage range of 90~264VAC. This series meets FCC Part-15 Class B and CISPR-22 Class B Emission Limits and has UL60950-1:2nd Edition, IEC 60950-1:2005/A2:2013, and EN60950-1:2006/A2:2013 safety approvals. All units are RoHS2 and Energy Star Level VI compliant. Plugs come in United States (US), Europe (EU), Australia (AUS), and United Kingdom (UK) types. Plugs are sold separately so please contact factory for ordering details.

MODEL SELECTION TABLE

Model Number ⁽¹⁾	Input Voltage Range	Output Voltage ⁽²⁾	Output Current	Total Regulation ⁽³⁾	Ripple & Noise	Output Power	Efficiency
WMIEPU26-102x	90~264VAC	5~5.99VDC	2.75~3.30A	±5%	100mVp-p	16.5W	82%
WMIEPU26-103x		6.5~8VDC	2.50~3.07A	±5%	130mVp-p	20W	85.5%
WMIEPU26-104x		8~11VDC	2.00~2.75A	±5%	160mVp-p	22W	85.9%
WMIEPU26-105x		11~13VDC	1.92~2.27A	±5%	220mVp-p	25W	86.4%
WMIEPU26-106x		13~16VDC	1.56~1.92A	±5%	260mVp-p	25W	86.4%
WMIEPU26-107x		16~21VDC	1.19~1.56A	±5%	320mVp-p	25W	86.4%
WMIEPU26-108x		21~27VDC	0.92~1.19A	±4%	420mVp-p	25W	87%
WMIEPU26-109x		27~33VDC	0.75~0.92A	±4%	540mVp-p	25W	87%
WMIEPU26-110x		33~40VDC	0.62~0.75A	±4%	660mVp-p	25W	88%
WMIEPU26-111x		40~48VDC	0.53~0.62A	±4%	800mVp-p	25W	88%

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.

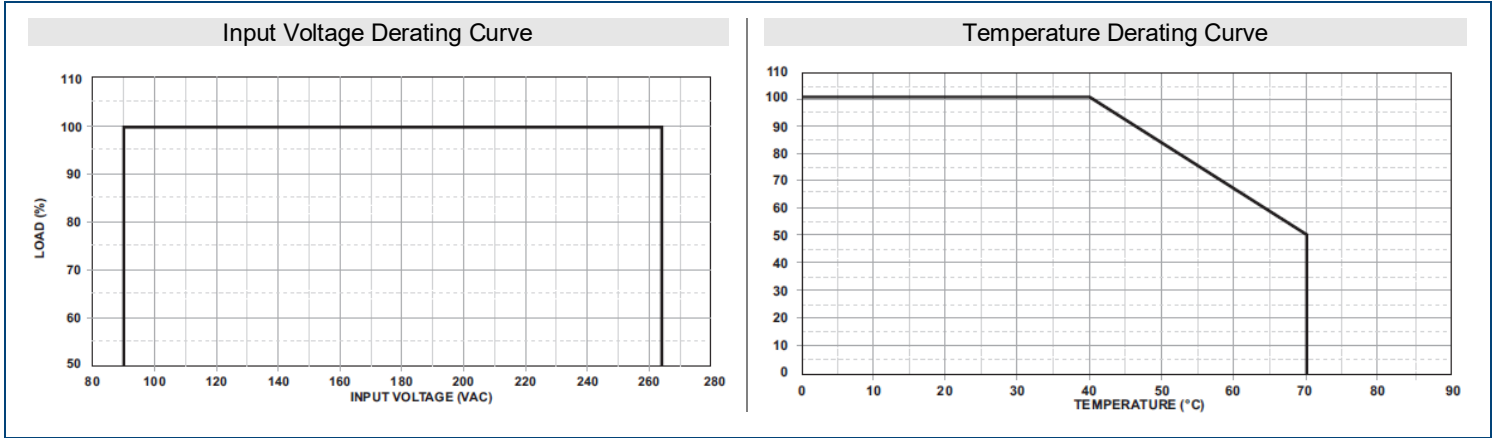
SPECIFICATION		TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS						
Operating Voltage Range		Operating Input Voltage Range	90		264	VAC
		Safety Approvals Input Voltage Range	100		240	
Input Frequency			47		63	Hz
Input Current	Low Line	Io=Full Load, Vin=100VAC			0.35	A
	High Line	Io=Full Load, Vin=240VAC			0.55	
Inrush Current	Low Line	Io=Full Load, 25°C, Cool Start, Vin=100VAC	40		50	A
	High Line	Io=Full Load, 25°C, Cool Start, Vin=240VAC	80		100	
No Load Power Consumption		No Load, Vin=230VAC			0.1	W
OUTPUT SPECIFICATIONS						
Output Voltage			See Table			
Load Regulation		Vin=230VAC, 10~90% Load Change at Condition	4		5	%
Line Regulation		Io=Full Load, Vin=100~120VAC	0.5		1	%
Output Power			See Table			
Output Current			See Table			
Ripple & Noise			See Table			
Transient Response Time		Io=Full Load to Half Load, Vin=100VAC			4	ms
Hold-Up Time		Io=Full Load, Vin=110VAC	12			S
Start-Up Time		Io=Full Load, Vin=100VAC			3	S
Temperature Coefficient		All Outputs	-0.04		+0.04	%/°C
PROTECTION						
Short Circuit Protection			Automatic Recovery			
ENVIRONMENTAL SPECIFICATIONS						
Operating Temperature		Derate linearly from 100% Load at 40°C to 50% load at 70°C	0		70	°C
Storage Temperature			-40		85	°C
Operating Humidity			0		95	%RH
Storage Humidity			0		95	%RH
Vibration		10~500Hz, 10min./1cycle, 60min. each along X,Y,Z			5	G
Operation Altitude		All conditions			2000	m
MTBF		Operating Temp at 25°C, calculated per MIL-HDBK-217F	100,000			Hours
GENERAL SPECIFICATIONS						
Efficiency		Io=Full Load, Vin=2130VAC	See Table			
Dielectric Withstanding Voltage		Primary to Secondary			4242	VDC
Surge Voltage		Line-Neutral			1	kV
		Line-PE & Neutral-PE			2	
PHYSICAL SPECIFICATIONS						
Weight			Approx. 7oz (200g)			
Dimensions (L x W x H)			2.95 x 1.71 x 1.58 inches (75.0 x 43.5 x 40.2 mm)			
Cooling			Free Air Convection			
SAFETY						
Safety Approvals		UL60950-1:2 nd Edition ⁽¹²⁾ , IEC 60950-1:2005/A2:2013, EN60950-1:2006/A2:2013				
EMC Emission		EN55022 (CISPR22) B Class				
Electrostatic Discharge		IEC61000-4-2	Air Discharge		8	kV
			Contact Discharge		6	
Protection Classes		Double Insulated, Class II				

NOTES

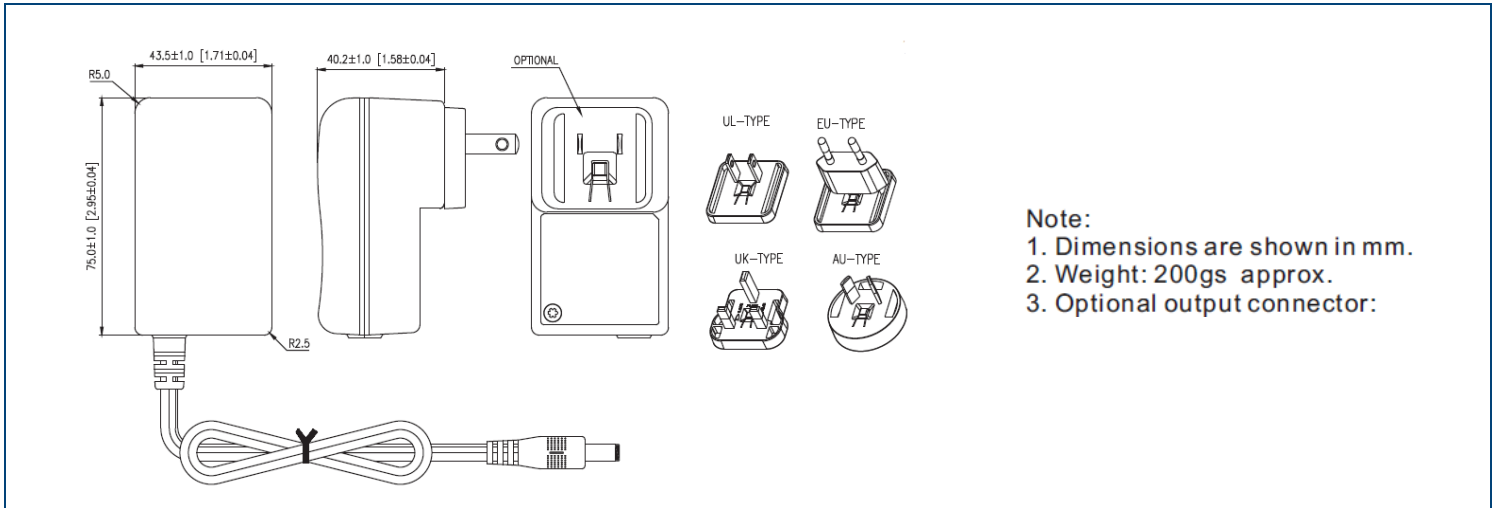
- (1) The "x" in the model number can be "U" for US type plug; "E" for EU type plug, "A" for AUS type plug, or "K" for UK type plug.
- (2) The output voltage is specified as a range (Ex: 40~48VDC); the customer must specify what they want the voltage set at.
- (3) Output can provide up to peak load when power supply starts up. Staying in more than rated load continually is not allowed
- (4) At factory, each output is checked to be within voltage accuracy in 60% rated load condition.
- (5) Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- (6) Load regulation is defined by changing ±40% of measured output load from 60% rated load.
- (7) Ripple & noise is measured by 20MHz BW limited oscilloscope & terminated each output with a 0.47uF capacitor @rated load and nominal line.
- (8) Hold up time is measured from end of last charging pulse to when main output drops down to low limit of main output @rated load and nom line.
- (9) Models WMIEPU26-102~109 need to use AWG#18x2C/4FT output cable in order to meet the total regulation specified.
Models WMIEPU26-110~111 need to use AWG#20x2C/4FT output cable in order to meet the total regulation specified.
The regulation and efficiency will change if a different output cable is used.
- (10) Plugs are sold separately, please contact factory for ordering details.
- (11) Optional output connectors are available. Please contact factory for more information.
- (12) This product is Listed to applicable standards and requirements by UL.

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

DERATING CURVES



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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