



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

OPTIONS

- Interchangeable Plug
 - European Plug
 - United States Plug
 - UK Plug
 - Australian Plug
- Optional Output Connectors

FEATURES

- Double Insulated, Class II
- Up to 25 Watts
- RoHS2 Compliant
- Energy Star 2.0 Efficiency Level VI
- Single Output Voltages available from 5VDC to 48VDC
- 100% Burn-In Tested
- Optional Output Connectors
- Wide Input Voltage Range: 90~264VAC, 47~63Hz
- Short Circuit Protection
- UL60950-1: 2nd Edition, IEC 60950-1:2005/A2:2013, and EN60905-1:2006/A2:2013 Safety Approvals
- UL/cUL, TUV/GS, and CE Marking
- Meets FCC Part-15 Class B and CISPR-22 Class B Emission Limits.
- Interchangeable Plug Options: EU, UK, AUS, and US Types

APPLICATIONS

- Ethernet Hub
- Portable Devices
- Charger
- Monitor
- Set-Top Box
- AV Equipment

DESCRIPTION

The WMISPU26 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 EN60905-1:2006/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		Ripple & Noise	Output Power	Total Regulation ⁽³⁾	Efficiency
			Min.	Max.				
WMISPU26-102x	90~264VAC	5~5.99VDC	2.75A	3.30A	60mVp-p	16.5W	±5%	82%
WMISPU26-103x		6.5~8VDC	2.50A	3.07A	80mVp-p	20W	±5%	85.5%
WMISPU26-104x		8~11VDC	2.00A	2.75A	100mVp-p	22W	±5%	85.9%
WMISPU26-105x		11~13VDC	1.92A	2.27A	100mVp-p	25W	±5%	86.35%
WMISPU26-106x		13~16VDC	1.56A	1.92A	120mVp-p	25W	±5%	86.35%
WMISPU26-107x		16~21VDC	1.19A	1.56A	130mVp-p	25W	±5%	86.35%
WMISPU26-108x		21~27VDC	0.92A	1.19A	200mVp-p	25W	±3%	87%
WMISPU26-109x		27~33VDC	0.75A	0.92A	200mVp-p	25W	±3%	87%
WMISPU26-110x		33~40VDC	0.62A	0.75A	250mVp-p	25W	±3%	88%
WMISPU26-111x		40~48VDC	0.53A	0.62A	300mVp-p	25W	±3%	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.

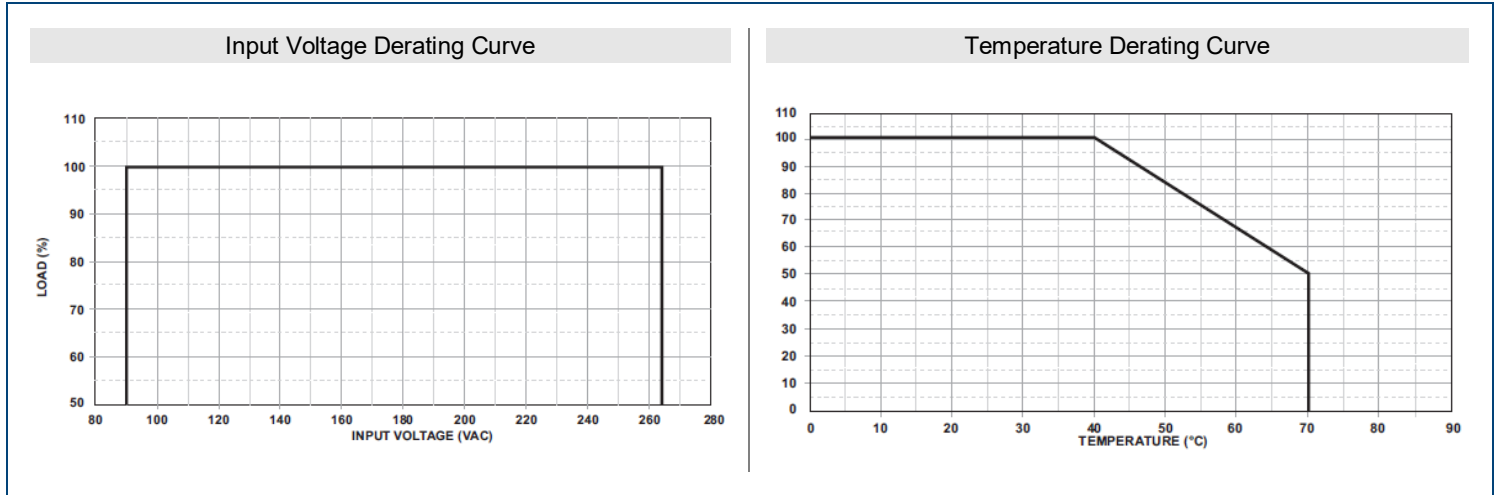
SPECIFICATION		TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS						
Input Voltage Range		Operating Input Voltage Range	90		264	VAC
		Safety Approvals Input Voltage Range	100		240	
Input Frequency			47		63	Hz
Input Current	Low Line	Full Load, Vin=100VAC			0.70	A
	High Line	Full Load, Vin=240VAC			0.40	
Inrush Current	Low Line	Full Load, 25°C, Cool Start, Vin=100VAC	25		50	A
	High Line	Full Load, 25°C, Cool Start, Vin=240VAC	50		100	
No Load Power Consumption		No Load, Vin=230VAC		0.1		W
OUTPUT SPECIFICATIONS						
Output Voltage			See Table			
Line Regulation ⁽⁷⁾		Full Load, Vin=100~120VAC	0.5		1	%
Load Regulation ⁽⁸⁾		Full Load, Vin=230VAC	3		5	%
Output Power			See Table			
Output Current			See Table			
Ripple & Noise ⁽⁹⁾		Full Load, Vin=90VAC	See Table			
Transient Response Time		Full Load, Vin=110VAC			4	mS
Start-Up Time		Full Load, Vin=100~240VAC			3	S
Hold-Up Time ⁽¹⁰⁾		Full Load, Vin=100VAC	12			mS
Temperature Coefficient		Full Load, Vin=100~240VAC			±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		Non-Condensing	0		95	%
Storage Humidity			0		95	%
Altitude		All Conditions			2000	M
Vibration		10~500Hz, 10min./1Cycle, 60min. each along X, Y, Z axes			5	G
MTBF		Operating Temperature at 25°C, Calculated per MIL-HBDK-217F	100,000			hrs
GENERAL SPECIFICATIONS						
Efficiency		Io=Full Load, Vin=230VAC	77		85	%
Dielectric Withstanding Voltage		Primary to Secondary			4242	VDC
Surge Voltage		Line-Neutral			1	kV
		Line-PE & Neutral-PE			2	
Safety Ground Leakage Current		Vin=240VAC/60Hz			0.25	mA
PHYSICAL SPECIFICATIONS						
Weight			Approx. 7oz. (200g)			
Dimensions (L x W x H)			2.95 x 1.71 x 1.58in (75 x 43.5 x 40.2mm)			
AC Plug			US, EU, AUS, and UK types			
Output Connector ⁽³⁾			Optional Output Connectors Available			
Cooling			Free Air Convection			
Flammability Rating			UL94V-1			
SAFETY & EMC CHARACTERISTICS						
Safety Approvals		UL60905-1:2 nd Edition ⁽¹¹⁾ , IEC 60950-1:2005/A2:2013, EN60950-1:2006/A2:2013				
EMC Emission		Compliance to EN55022 (CISPR) Class B				
Electrostatic Discharge		Air Discharge, IEC61000-4-2			1	kV
		Contact Discharge, IEC61000-4-2			2	
Protection Classes		Double Insulated, Class II				

NOTES

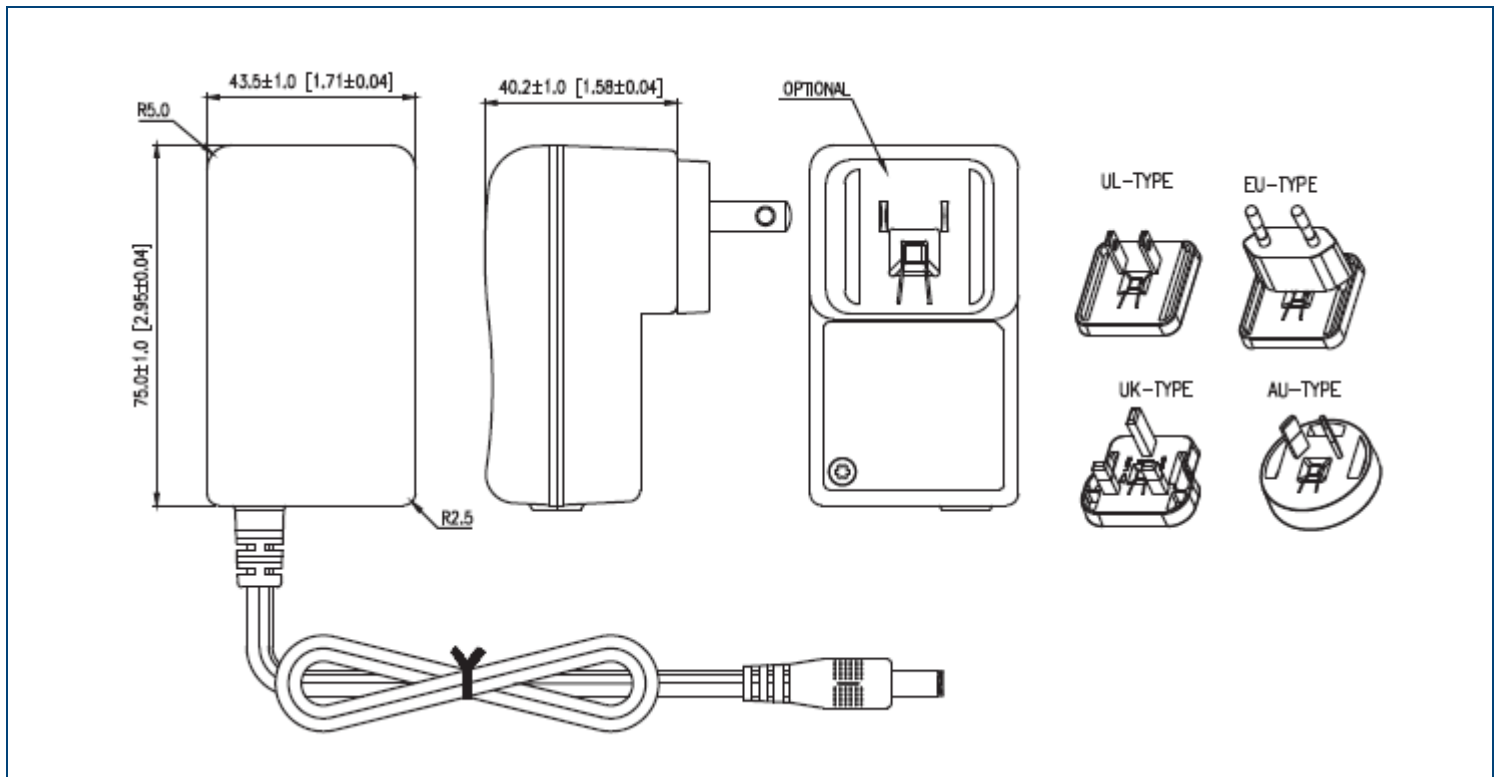
- The "x" in the model number can be "U" for US type plug, "E" for EU type plug, "A" for AUS type plug, or "K" for UK type plug.
- The output voltage is specified as range (Ex: 40~48VDC); the customer must specify what they want the voltage set at.
- Models WMISPU26-102~109 need to use AWG#18x2C/4FT output cable in order to meet the total regulation specified. Models WMISPU26-110~111 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.
- Plugs are sold separately; please contact factory for offering details.
- Output can provide up to peak load when power supply starts up. Staying in rated load continually is not allowed.
- Each output is checked to be within voltage accuracy at factory in 60% rated load.
- Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
- Load regulation is defined by changing ±40% of measured output load from 60% rated load.
- Ripple & Noise is measured by using 20MHz bandwidth limited oscilloscope and terminated each output with a 0.47uF capacitor at rated load and nominal line.
- Hold up time is measured from the end of the last charging pulse to the time which the main output drops down to low limit of main output at rated load and nominal line.
- 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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