Size:
2.95 x 1.71 x 1.58 inches
75.0 x 43.5 x 40.2 mm

Weight:
7.05oz (200g)

AC Plug Types:
- Unites States (“U” Suffix)
- Europe (“E” Suffix)
- Australia (“A” Suffix”)
- United Kingdom (“K” Suffix)

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

FEATURES

- Class II System
- RoHS2 Compliant
- Up to 25 Watts Output Power
- Up to 88% High Efficiency
- CEC V5, Efficiency Level VI
- 90-264VAC Input Voltage Range
- 100% Burn-In Tested
- Single Outputs Ranging from 5VDC to 48VDC
- -20°C to +70°C Operating Temperature Range
- Meets FCC Part-15 Class B & CISPR-22 Class B Emission Limits
- UL/cUL UL60950-1: 2nd Ed. & TUV/GS EN60950-1: 2nd Ed.
- Interchangeable Plug Options: United States, Europe, Australia, & United Kingdom Types
- Optional Output Connectors Available

SAFETY APPROVALS

DESCRIPTION

The WMIIPU26 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 5VDC to 48VDC with a 90~264VAC input voltage range and a -20°C to +70°C operating temperature. This series meets FCC Part-15 Class B and CISPR-22 Class B Emission limits and has UL/cUL UL60950-1: 2nd edition and TUV/GS EN60950-1: 2nd edition safety approvals. All units are RoHS2 and Energy Star Level VI compliant. Interchangeable plugs are available in United States (“U” suffix), Europe (“E” suffix), Australia (“A” suffix), and United Kingdom (“K” suffix) types. Plugs are sold separately so please contact factory for ordering details.

MODEL SELECTION TABLE

Model Number [1]	Input Voltage	Adjustable Voltage Range		Adjustable Current Range		Maximum Output Power	Ripple & Noise [5]	Total Regulation	No Load Consumption
		Min	Max	Min	Max				
WMIIPU26-102x	90 ~ 264VAC	5 VDC	6 VDC	2.75 A	3.30 A	16.5W	100mVp-p	±5%	0.3W
WMIIPU26-103x		6 VDC	8 VDC	2.50 A	3.33 A	20W	100mVp-p	±5%	0.3W
WMIIPU26-104x		8 VDC	11 VDC	2.00 A	2.75 A	22W	100mVp-p	±5%	0.3W
WMIIPU26-105x		11 VDC	13 VDC	1.92 A	2.27 A	25W	100mVp-p	±5%	0.3W
WMIIPU26-106x		13 VDC	16 VDC	1.56 A	1.92 A	25W	100mVp-p	±5%	0.3W
WMIIPU26-107x		16 VDC	21 VDC	1.19 A	1.56 A	25W	100mVp-p	±5%	0.3W
WMIIPU26-108x		21 VDC	27 VDC	0.92 A	1.19 A	25W	100mVp-p	±3%	0.3W
WMIIPU26-109x		27 VDC	33 VDC	0.75 A	0.92 A	25W	100mVp-p	±3%	0.3W
WMIIPU26-110x		33 VDC	40 VDC	0.62 A	0.75 A	25W	100mVp-p	±3%	0.3W
WMIIPU26-111x		40 VDC	48 VDC	0.53 A	0.62 A	25W	100mVp-p	±3%	0.3W

NOTES

1. The “x” in the model number can be “U” for United States type plug; “E” for Europe type plug, “A” for Australia type plug, or “K” for United Kingdom type plug. Plugs are sold separately so please contact factory for ordering details.
2. At factory, in 60% rated load condition, each output is checked to be within voltage accuracy.
3. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
4. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
5. Ripple & noise is measured by using 20MHz limited bandwidth and with 0.47F capacitor in parallel across the output at nominal line and rated load.
6. 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.
7. Optional output connectors are available for this series. Please call factory for ordering details.
8. This product is Listed to applicable standards and requirements by UL.

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

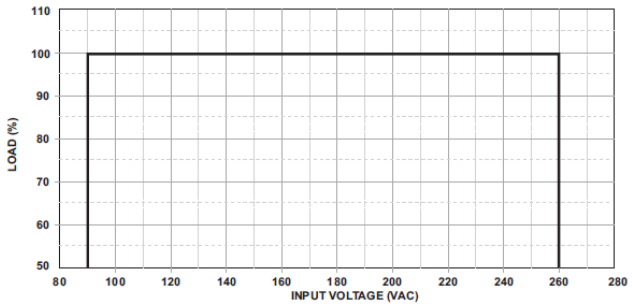
TECHNICAL SPECIFICATIONS: WMIIPU26 SERIES

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.

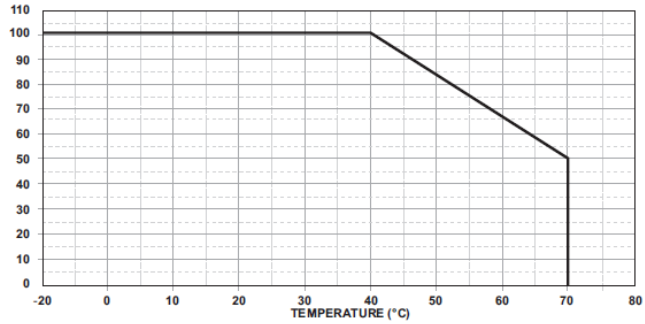
SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
INPUT SPECIFICATIONS					
Input Voltage	Safety Approvals Input Voltage Range	100		240	VAC
	Operate Voltage Range	90		264	
Input Frequency	Sine wave	47		63	Hz
Input Current	Low Line, 100VAC, full load			0.7	A
	High Line, 240VAC, full load			0.4	
Inrush Current	Low Line, 100VAC, full load, 25°C, cold start	25		50	A
	High Line, 240VAC, full load, 25°C, cold start	50		100	
No Load Power Consumption	230VAC, no load			0.3	W
Safety Ground Leakage Current	Vin=240VAC, Fi=60Hz			0.25	mA
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation[3]	Full Load, Vin=100~120VAC	0.5		1	%
Load Regulation[4]	Vin=230VAC, 10~90% Load Change at Condition	3		5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise[5]			100		mVp-p
Hold-up Time	Full Load, Vin=100VAC	12			ms
Start-up Time	Full Load, Vin=100~240VAC			3	s
Transient Response Time	100VAC, full load to half load			4	ms
Temperature Coefficient	Full Load, Vin=100~240VAC	-0.04		+0.04	%/°C
PROTECTION					
Short Circuit Protection		Automatic Recovery			
GENERAL SPECIFICATIONS					
Efficiency	230VAC, full load	82		88	%
Dielectric Withstanding Voltage	Primary to Secondary	4242			VDC
Protection Class		Double Insulated, Class II			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	Derating linearly from 100% Load at 40°C to 50% load at 70°C	-20		+70	°C
Storage Temperature	10~95% RH	-40		+85	°C
Operating Humidity	Non-condensing	0		95	%RH
Storage Humidity		0		95	%RH
Operating Altitude	All Conditions			3000	M
Cooling		Free air convection			
Flammability Rating		UL94V-1			
MTBF	MIL-HDBK-217F, 25°C	100,000			hours
PHYSICAL SPECIFICATIONS					
Weight		7.05oz (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)			
AC Plug	"U" suffix	United States			
	"K" suffix	United Kingdom			
	"E" suffix	Europe			
	"A" suffix	Australia			
Output Connector		Several options available			
SAFETY, EMC, & COMPLIANCE					
Safety Approvals		UL/cUL (UL60950-1: 2nd edition)[8]			
		TUV/GS (EN 60950-1: 2nd edition)			
		CE, FCC, CB, PSE			
EMC Emission	Compliance to EN55022 (CISPR)	B			Class
Compliance		RoHS2 Compliant			
CEC & Energy Star		CEC and Energy Star 2.0, Efficiency Level VI			

DERATING CURVE

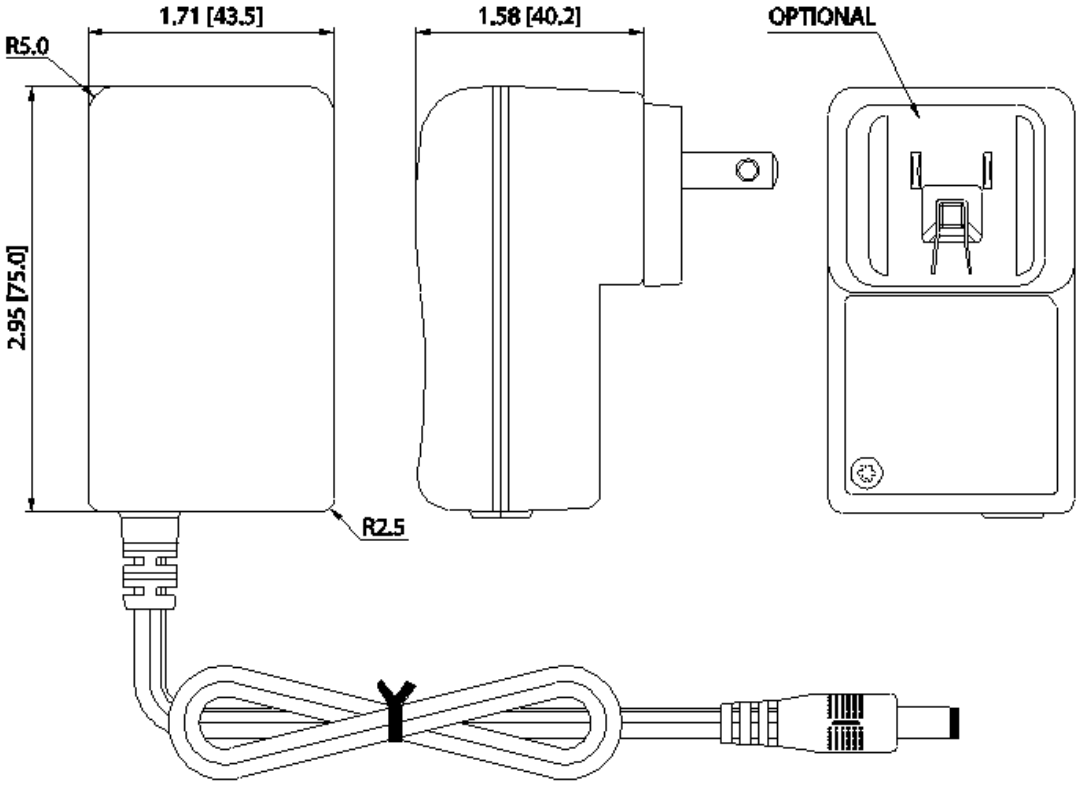
Input Voltage Derating Curve

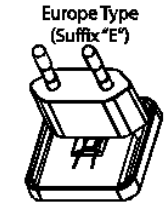


Temperature Derating Curve



MECHANICAL DRAWING





Notes:
1. Unit: in [mm]
2. Tolerance: ±0.04 [±1.0]
3. Weight: 7.05oz [+1.0]
4. Models WMIIPU26-102~109 need to use AWG#18 2C/4FT output cable in order to meet all listed specifications.
   Models WMIIPU26-110~111 need to use AWG#20 2C/4FT output cable in order to meeta all listed specifications.
   The technical specifications will change if a different output cable is used.
5. Plugs are sold separately. Please call factory for ordering details.
6. Optional output connectors available. Please call factory for ordering details.
7. All dimensions are for reference only.

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.

Contact **Wall Industries** for further information:

Phone: ☎(603)778-2300
Toll Free: ☎(888)597-9255
Fax: ☎(603)778-9797
E-mail: sales@wallindustries.com
Web: www.wallindustries.com
Address: 37 Industrial Drive
Exeter, NH 03833