Size: 1.71in x 2.36in x 1.58in
(43.5mm x 60mm x 40.2mm)

FEATURES

- Wide Operating Voltage 90 to 264VAC
- 4 Interchangeable Plugs Available: US, UK, EU, AUS
- Optional Output Connectors Available
- Level VI, CoC V5 Compliant
- RoHS2 Compliant
- Class II System
- Short Circuit Protection
- Cooling by Free Air Convection
- Models meet FCC Part 15 Class B and CIRSPR-22 Class B Emission Limits
- UL/cUL (UL60950-1:2nd Edition), TUV/GS (EN 60950-1:2nd Edition), CB, CE, FCC, CCC, PSE, and RCM Safety Approvals

APPLICATIONS

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

DESCRIPTION

The WMIIPU15 series of AC/DC wall mount with interchangeable plugs offers up to 15 watts of output power in a 1.71” x 2.36” x 1.58” package. This series consists of single output models with a wide operating voltage range of 90~264VAC. Four interchangeable plugs are available for this series: US, UK, EU, or AUS plug and optional output connectors are also available. Each model in this series has short circuit protection, Level VI and RoHS2 compliance, and is a class II system. This series also has UL/cUL (UL60950-1:2nd Edition), TUV/GS (EN 60950-1:2nd Edition), CB, CE, FCC, CCC, PSE, and RCM safety approvals

MODEL SELECTION TABLE

Model Number(1)	Input Voltage Range	Output Voltage	Output Current		Output Power	Total Regulation	Ripple & Noise
			Min Load	Max Load			
WMIIPU15x-102	90~264VAC	5~5.99VDC	2.00A	2.40A	12W	±5%	0.5%
WMIIPU15x-103		6.5~8VDC	1.50A	1.84A	12W	±5%	
WMIIPU15x-104		8~11VDC	1.22A	1.68A	13.5W	±5%	
WMIIPU15x-105		11~13VDC	1.15A	1.36A	15W	±5%	
WMIIPU15x-106		13~16VDC	0.94A	1.15A	15W	±5%	
WMIIPU15x-107		16~21VDC	0.72A	0.94A	15W	±5%	
WMIIPU15x-108		21~27VDC	0.55A	0.72A	15W	±5%	
WMIIPU15x-109		27~33VDC	0.45A	0.55A	15W	±3%	
WMIIPU15x-110		33~40VDC	0.37A	0.45A	15W	±3%	
WMIIPU15x-111		40~48VDC	0.32A	0.37A	15W	±3%	

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	Safety Approval	100		240	VAC
	Operate Voltage Range	90		264	
Input Frequency	Sine Wave	47		63	Hz
Input Current	Low Line, Full Load, Vin=100VAC			0.4	A
	High Line, Full Load, Vin=240VAC			0.3	
Inrush Current	Low Line, Full Load, 25ºC, Cool Start, Vin=100VAC	40		45	A
	High Line, Full Load, 25ºC, Cool Start, Vin=240VAC	80		90	
Safety Ground Leakage Current	Vin=240VAC, Fi=60Hz			0.25	mA
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation[4]	Full Load, Vin=100~120VAC	0.5		1	%
Load Regulation[5]	Vin=230VAC, 10~90% Load Change at Condition	3		5	%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise[6]		See Table			
Transient Response Time	Full Load, Vin=110VAC			4	mS
Start-Up Time	Full Load, Vin=100~240VAC			3	S
Hold-Up Time[7]	Full Load, Vin=100VAC	12			mS
Temperature Coefficient	Full Load, Vin=100~240VAC			±0.04	%/ºC
PROTECTION					
Short Circuit Protection		Automatic Recovery			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature	Derate linearly from 100% load at 40ºC to 50% load at 70ºC	-20		70	ºC
Storage Temperature	10~95%RH	-40		85	ºC
Operating Humidity	Non-Condensing	0		95	%RH
Storage Humidity		0		95	%RH
Operating Altitude	All Conditions			2000	M
Vibration	10~500Hz, 10min./1cycle, 60min. each along X, Y, Z			5	G
MTBF	Operating Temperature at 25ºC, per MIL-HDBK-217F	100,000			Hours
GENERAL SPECIFICATIONS					
Efficiency	Full Load, Vin=230VAC	74.7		85	%
Dielectric Withstanding Voltage	Primary to Secondary			4242	VDC
No Load Power Consumption			0.3		W
Surge Voltage	Line-Neutral			1	kV
	Line-PE & Neutral-PE			2	
PHYSICAL SPECIFICATIONS					
Weight		Approx. 6oz (170g)			
Dimensions (L x W x H)		1.71in x 2.36in x 1.58in (43.5mm x 60mm x 40.2mm)			
Cooling		Free Air Convection			
Flammability Rating		UL94V-1			
SAFETY CHARACTERISTICS					
Safety Approvals	UL/cUL (UL60950-1:2nd Edition, TUV/GS (EN60950-1:2nd Edition)[9] CB, CE, FCC, CCC, PSE, RCM				
EMC Emission	Compliance to EN55022 (CISPR22)				Class B
Protection Class					Double Insulated, Class II

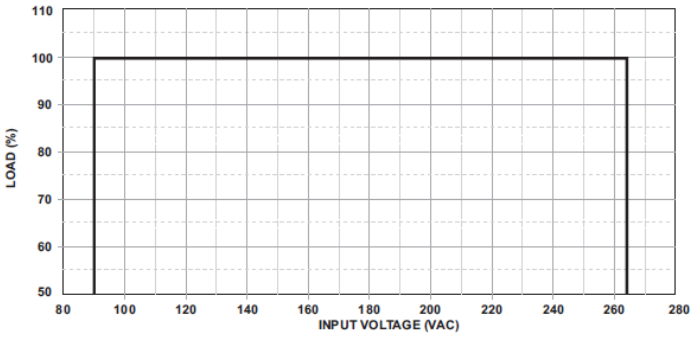
NOTES

1. "X" in model number indicates plug type. "X" can either be "U" for US Plug, "K" for UK Plug, "E" for EU Plug, or "A" for AUS Plug.
2. Output can provide up to peak load when the power supply starts. Staying in more than rated load continually is not allowed.
3. Each output is checked to be within voltage accuracy at factory in 60% rated load condition.
4. Line regulation is defined by changing ±10% of input voltage from nominal line at rated load.
5. Load regulation is defined by changing ±40% of measured output load from 60% rated load.
6. 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.
7. 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.
8. WMIIPU15-102~107 are required to use AWG#18/4FT output cable.
   WMIIPU15-108~111 are required to use AWG#20/4FT output cable.
   Regulation and efficiency will be changed by a modified output cable.
9. This product is Listed to applicable standards and requirements by UL.

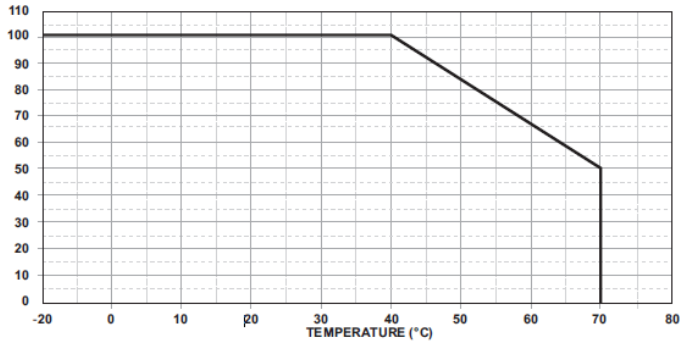
**Due to advances in technology, specifications subject to change without notice.*

DERATING CURVES

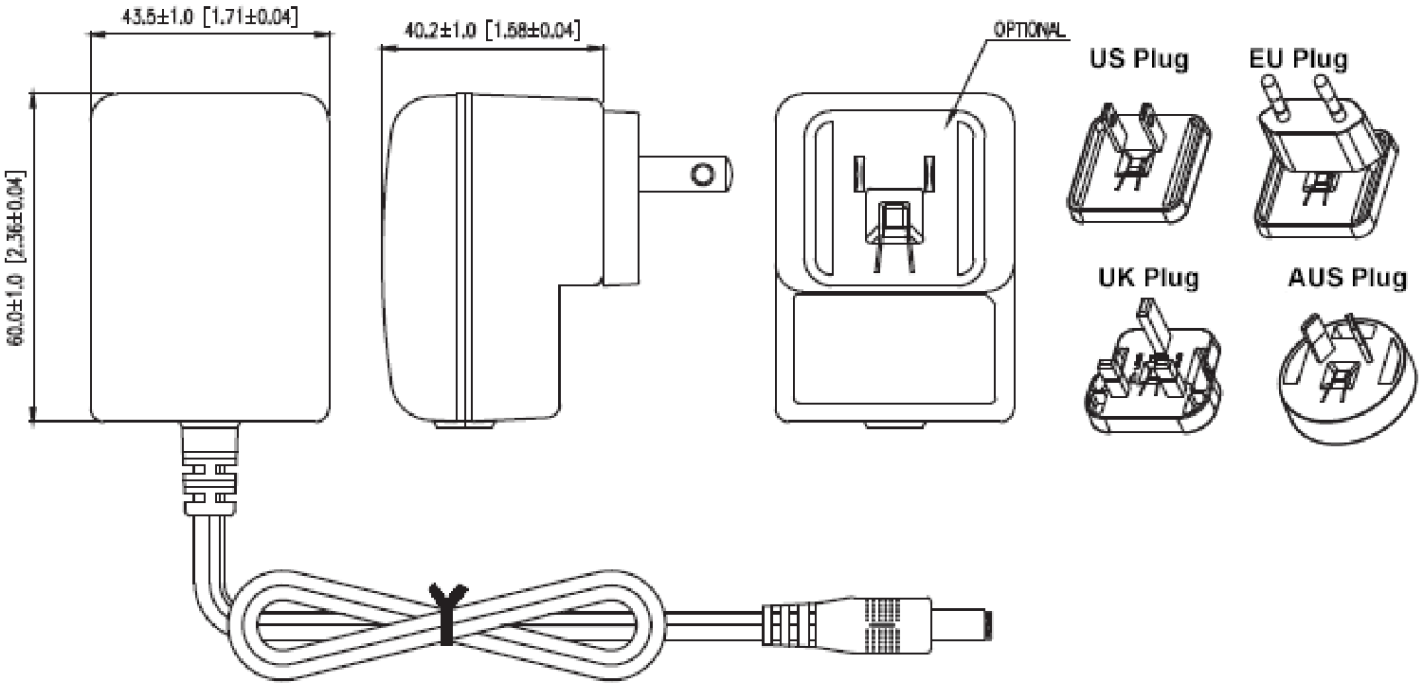
Input Voltage Derating Curve



Temperature Derating Curve



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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