



(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 Valtage	Output Current		Output Power	Total Degulation	Pinnla & Naisa				
		Output Voltage	Min Load	Max Load	Output Power	Total Regulation	Ripple & Noise				
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%					

12/2/2016



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. We reserve the right to change specifications based on technological advances. We reserve the right to change specifications based on technological advances. We reserve the right to change specifications are sent and the right to change specifications are sent and the right to the	SPECIFICATIONS								
SPECIFICATION TEST CONDITIONS Min Typ Max Unit	All specification			erwise note	ed.				
Input Voltage Range									
Input Voltage Range	SPECIFICATION	TEST CONDITIONS	Min	Тур	Max	Unit			
Input Frequency Operate Voltage Range Singular Voltage Range Operate Voltage Range	INPUT SPECIFICATIONS								
Input Frequency Sine Wave	Input Voltage Bange		100		240	VAC			
Input Current	Input voltage Range	Operate Voltage Range	90		264				
High Line, Full Load, Vin=240VAC	Input Frequency		47		63	Hz			
Inign Line, Full Load, 25°C, Cool Start, Vin=100VAC	Innut Current	Low Line, Full Load, Vin=100VAC			0.4				
High_Line_Full_LoadZs°C_Cool Start, Vin=240VAC 80 90 90 A	input Current	High Line, Full Load, Vin=240VAC			0.3	7 A			
High_Line, Full Load, 25°C, Cool Start, Vin=240VAC 80 90 mA	haman ha Oanmana t	Low Line, Full Load, 25°C, Cool Start, Vin=100VAC	40		45	_			
Safety Ground Leakage Current OUTPUT SPECIFICATIONS	Inrush Current	High Line, Full Load, 25°C, Cool Start, Vin=240VAC	80		90	Α			
CUTPUT SPECIFICATIONS	Safety Ground Leakage Current				0.25	mA			
Output Voltage Full Load, Vin=100-120VAC 0.5 1 % Load Regulation ⁽⁶⁾ Vin=230VAC, 10-90% Load Change at Condition 3 5 % Output Power See Table See Table See Table Output Urrent See Table See Table See Table Ripple & Noise ⁽⁶⁾ Full Load, Vin=10VAC \$ee Table \$ee Table Transient Response Time Full Load, Vin=10VAC \$ee Table \$ee Table Start-Up Time Full Load, Vin=100-240VAC \$ee Table \$ee Table Temperature Coefficient Full Load, Vin=100-240VAC \$ee Table \$ee Table Temperature Coefficient Full Load, Vin=100-240VAC \$ee Table \$ee Table Short Circuit Protection Automatic Recovery *every PROTECTION ENVIRONMENTAL SPECIFICATIONS *every PROTECTIONS *every PROTECTIONS Coperating Humidity Non-Condensing 0 95 %RH Storage Temperature 10-95%RH -40 85 %C Operating Humidity Non-Condensing 0 95 %RH </td <td>OUTPUT SPECIFICATIONS</td> <td></td> <td></td> <td></td> <td></td> <td></td>	OUTPUT SPECIFICATIONS								
Line Regulation(4)				See	Table				
Load Regulation Vin=230VAC, 10-90% Load Change at Condition 3 5 %		Full Load, Vin=100~120VAC	0.5		1	%			
Output Power See Table Output Current See Table Ripple & Noise ⁽⁶⁾ Full Load, Vin=110VAC See Table Transient Response Time Full Load, Vin=100-240VAC 4 mS Start-Up Time Full Load, Vin=100-240VAC 12 mS Hold-Up Time ⁽⁷⁾ Full Load, Vin=100-240VAC 12 mS Temperature Coefficient Full Load, Vin=100-240VAC 12 mS PROTECTION Automatic Recovery Short Circuit Protection Automatic Recovery ENVIRONMENTAL SPECIFICATIONS Automatic Recovery Coparating Temperature Derate linearly from 100% load at 40°C to 50% load at 70°C -20 70 °C Storage Temperature Derate linearly from 100% load at 40°C to 50% load at 70°C -20 70 °C Coperating Humidity Non-Condensing 0 95 %RH Storage Temperature Derate linearly from 100% load at 40°C to 50% load at 70°C -20 70 °C Operating Humidity Non-Condensing 0 95 %RH Storage Temperature	Load Regulation ⁽⁵⁾				5				
Output Current See Table Ripple & Noise ⁽ⁿ⁾ See Table Transient Response Time Full Load, Vin=100VAC 4 mS Start-Up Time Full Load, Vin=1000VAC 12 ms Temperature Coefficient Full Load, Vin=1000VAC 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 -20 70 °C Storage Humidity Non-Condensing 0 95 %RH Operating Humidity Non-Condensing 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 25°C, per MIL-HDBK-217F 100,000 Hours GENERAL SPECIFICATIONS Efficiency Full Load, Vin=230VAC 74.7 85 % 85 % Diesectric Withstanding Voltage Primary to Secondary 4242 VDC No Load Power Consumption		J		See	Table				
Ripple & Noise See Table									
Transient Response Time	Ripple & Noise ⁽⁶⁾								
Start_Up Time		Full Load Vin=110VAC				mS			
Hold-Up Time(**)		,			-				
Temperature Coefficient			12		<u> </u>				
ROTECTION Short Circuit Protection Short Circuit Protection ENVIRONMENTAL SPECIFICATIONS			12		+0.04				
Short Circuit Protection ENVIRONMENTAL SPECIFICATIONS		Tuli Loau, VIII=100~240VAC			±0.04	76/°C			
ENVIRONMENTAL SPECIFICATIONS Operating Temperature				Automatic	Pocovory				
Operating Temperature Derate 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 2000 M Vibration 10~500Hz, 10min./1cycle, 60min. each along X, Y, Z 5 G MTBF Operating Temperature at 25°C, per MIL-HDBK-217F 100,000 Hours GENERAL SPECIFICATIONS 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 Line-Neutral Line-PE & Neutral-PE 1 2 kV PHYSICAL SPECIFICATIONS Approx. 6oz (170g) 1.71 in x 2.36 in x 1.58 in (43.5mm x 60mm x 40.2mm) 1.71 in x 2.36 in x 1.58 in (43.5mm x 60mm x 40.2mm) Cooling Free Air Convection Inchestral Experimental Experimental Experimental Experimental Experimental Experimental Experimental Experimental Experimental		INC		Automatic	Recovery				
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Operating Altitude All Conditions 2000 M Vibration 10~500Hz, 10min./1cycle, 60min. each along X, Y, Z 5 G MTBF Operating Temperature at 25°C, per MIL-HDBK-217F 100,000 Hours GENERAL SPECIFICATIONS 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 0.3 W PHYSICAL SPECIFICATIONS Approx. 6oz (170g) Line-PE & Neutral-PE 1.71 in x 2.36in x 1.58in (43.5mm x 60mm x 40.2mm) Cooling Free Air Convection Free Air Convection UL94V-1 SAFETY CHARACTERISTICS UL/cUL (UL60950-1:2nd Edition, TUV/GS (EN60950-1:2nd Edition) CB, CE, FCC, CCC, PSE, RCM CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22) Class B		Non-Condensing							
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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 Line-PE & Neutral-PE 1 kV PHYSICAL SPECIFICATIONS Approx. 6oz (170g) 1.71in x 2.36in x 1.58in (43.5mm x 60mm x 40.2mm) Dimensions (L x W x H) 1.77in x 2.36in x 1.58in (43.5mm x 60mm x 40.2mm) Cooling Flammability Rating Tree Air Convection SAFETY CHARACTERISTICS UL/cUL (UL60950-1:2nd Edition, TUV/GS (EN60950-1:2nd Edition) CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22) Class B		Operating Temperature at 25°C, per MilL-HDBK-217F	100,000			Hours			
Dielectric Withstanding Voltage Primary to Secondary 4242 VDC No Load Power Consumption 0.3 W Surge Voltage Line-Neutral Line-PE & Neutral-PE 1 kV PHYSICAL SPECIFICATIONS Weight Approx. 6oz (170g) 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) CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22) Class B		F. II. L. a. J. Via. 000VA O	74.7		0.5	0/			
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Line-PE & Neutral-PE 2 kV	No Load Power Consumption			0.3		VV			
### PHYSICAL SPECIFICATIONS Weight Approx. 6oz (170g)	Surge Voltage	2 2 2 2 2 2 2				kV			
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 (UL60950-1:2 nd Edition, TUV/GS (EN60950-1:2 nd Edition) CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22)		Line-PE & Neutral-PE			2				
Dimensions (L x W x H)									
Cooling	Weight		11 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \						
Cooling Free Air Convection	Dimensions (L x W x H)								
SAFETY CHARACTERISTICS	,		,						
SAFETY CHARACTERISTICS Safety Approvals UL/cUL (UL60950-1:2 nd Edition, TUV/GS (EN60950-1:2 nd Edition) CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22) Class B	J	U .							
Safety Approvals UL/cUL (UL60950-1:2 nd Edition, TUV/GS (EN60950-1:2 nd Edition) CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22) Class B		UL94V-1							
CB, CE, FCC, CCC, PSE, RCM EMC Emission Compliance to EN55022 (CISPR22) Class B	SAFETY CHARACTERISTICS								
EMC Emission Compliance to EN55022 (CISPR22) Class B	Safety Approvals								
	EMC Emission					Class B			
	Protection Class			Do	uble Insulate	ed. Class II			

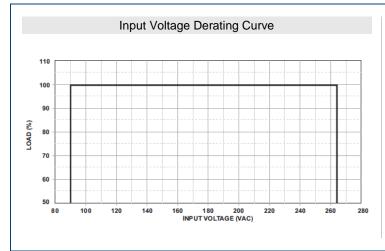
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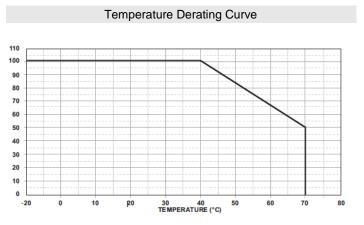
- 1. "X" in model number indicates plug type. "X" can either be "U" for US Plug, "K" for UK Plug, "E" for EU Plug, or "A" for AUS Plug.
- 2. Output can provide up to peak load when the power supply starts. Staying in more than rated load continually is not allowed.
- 3. Each output is checked to be within voltage accuracy at factory in 60% rated load condition.
- 4. Line regulation is defined by changing $\pm 10\%$ 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.
- 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.

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

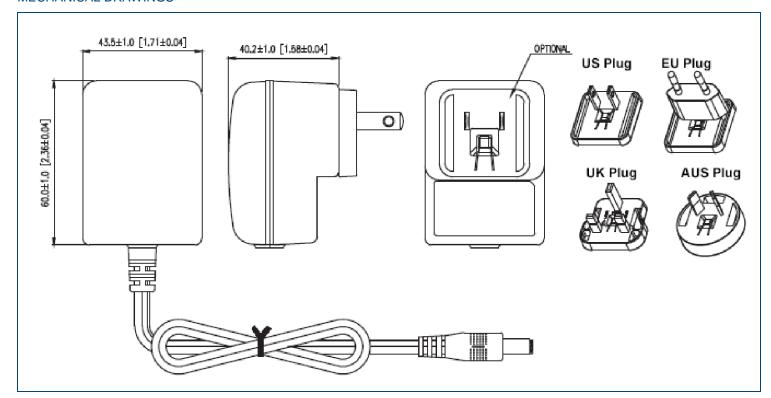


DERATING CURVES





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 ISO9001-2008 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:

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