

Rev C

Open Frame (Suffix "-O")

FEATURES

Size: 4.00 x 2.00 x 1.14 in

U-Chassis (Suffix "-U")



RoHS Compliant

- Single Outputs
- PF > 0.9 at 115/230VAC
- 100 Watts with Convection Cooling
 UL60950-1, Nemko EN60950-1, & CB IEC60950-1 Safety Approvals
- 150 Watts with Forced Air Cooling 100% Burn-in and Hi-pot Tested
- 90~264 VAC Input Voltage Range
 Open Frame and U-Chassis Mechanical Options Available

• MTBF > 100,000 Hours

• High Efficiency up to 85%

• Over Voltage, Over Load, and Short Circuit Protection

DESCRIPTION

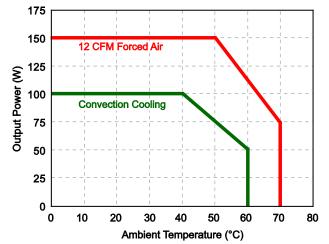


The PSPW150 series of AC/DC power supplies provides 100 Watts of output power with convection cooling and 150 Watts with 12CFM forced airflow. This series consists of 12V, 15V, 19V, 24V, 28V, and 48VDC single output models with a 90-264VAC full range input which enables them to be used anywhere in the world. These supplies also feature a high efficiency up to 85% and a power factor > 0.9 at 115/230VAC. These supplies are also protected against short circuit, over voltage, and over load conditions. The PSPW150 series has UL60950-1, CSA-C22.2 NO.950-1, Nemko EN60950-1, and CB IEC60950-1 safety approvals. This series is also CE marked and meets EN55022 Class B, CISPR22 Class B, and FCC Part 15 Class B EMC standards. Both open frame and U-chassis mechanical options are available for this series.

Sizo	4.12 x 2.24 x 1.38 in
Size.	4. I Z X Z.Z4 X I.JO III

MODEL SELECTION TABLE									
Model Number Input Voltage	Output	Output Current		Output Power			Output	Package	
	r i i	Voltage	Convection	12 CFM Forced Air	Convection	12 CFM Forced Air	Ripple & Noise	Regulation	Туре
PSPW150B-1Y12-O	90 - 264 VAC	12 VDC	8.33A	12.5A	100W	150W	150mVp-p	±3%	
PSPW150B-1Y15-O		15 VDC	6.67A	10A	100W	150W	150mVp-p	±3%	
PSPW150B-1Y19-O		19 VDC	5.26A	7.89A	100W	150W	190mVp-p	±3%	Олоп Б лонос
PSPW150B-1Y24-O		24 VDC	4.16A	6.25A	100W	150W	240mVp-p	±3%	Open Frame
PSPW150B-1Y28-O		28 VDC	2.77A	4.16A	100W	150W	300mVp-p	±2%	
PSPW150B-1Y48-O		48 VDC	2.08A	3.12A	100W	150W	300mVp-p	±2%	
PSPW150B-1Y12-U		12 VDC	8.33A	12.5A	100W	150W	150mVp-p	±3%	
PSPW150B-1Y15-U		15 VDC	6.67A	10A	100W	150W	150mVp-p	±3%	
PSPW150B-1Y19-U	90 - 264 VAC	19 VDC	5.26A	7.89A	100W	150W	190mVp-p	±3%	
PSPW150B-1Y24-U		24 VDC	4.16A	6.25A	100W	150W	240mVp-p	±3%	U-Chassis
PSPW150B-1Y28-U		28 VDC	2.77A	4.16A	100W	150W	300mVp-p	±2%	
PSPW150B-1Y48-U		48 VDC	2.08A	3.12A	100W	150W	300mVp-p	±2%	

DERATING CURVE



Convection Cooling:

0 to +60°C derating linearly 2.5% per °C from +41°C to +60°C

12CFM Forced Air:

0 to +70°C derating linearly 2.5% per °C from +51°C to +70°C



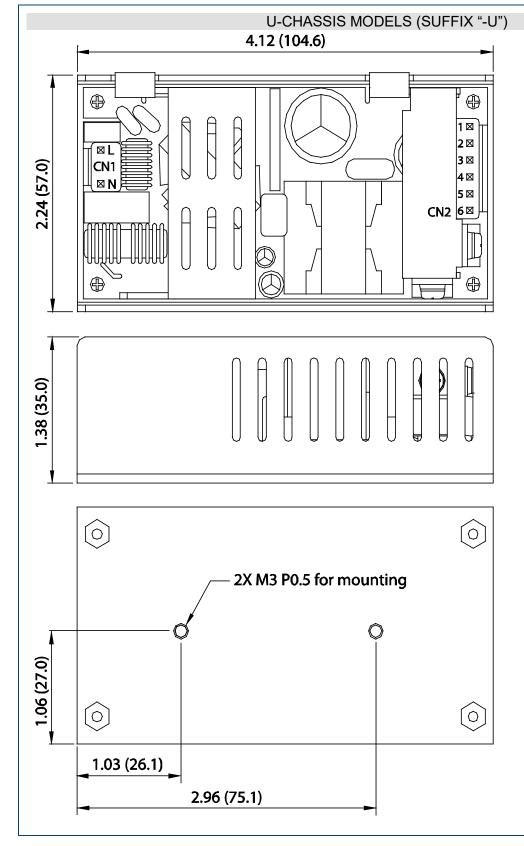
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ax L	Unit		
	Onne		
64 V	VAC		
3 I	Hz		
.5	Α		
25			
	A		
0			
)0	w		
50	vv		
	%		
m`	mVp-p		
1	ms		
Automatic recovery			
30	%		
ry			
	%		
30			
	°C		
35	°C		
5	%		
ho	ours		
7.27oz (206g)			
9.70oz (275g)			
4.00 x 2.00 x 1.14 in (101.6 x 50.8 x 29.0 mm)			
4.12 x 2.25 x 1.38 in (104.6 x 57.0 x 35.0 mm)			
CB IEC60	0950-1		
EN55022 Class B, CISPR22 Class B, FCC Part 15 Class B, C			
	ery 60 ery 60 70 85 95 95 50.8 x 29 57.0 x 35 CB IEC6		

NOTES 1. This product is Listed to applicable standards and requirements by UL. *Due to advances in technology, specifications subject to change without notice.

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MECHANICAL DRAWING



Unit: inches (mm)

CN1: INPUT CONNECTOR		
Pin No.	Function	
1	AC (N)	
2	AC (L)	

JST B3P-VH-B pitch: 7.92mm or equivalent, mates with JST VHR-3N or equivalent

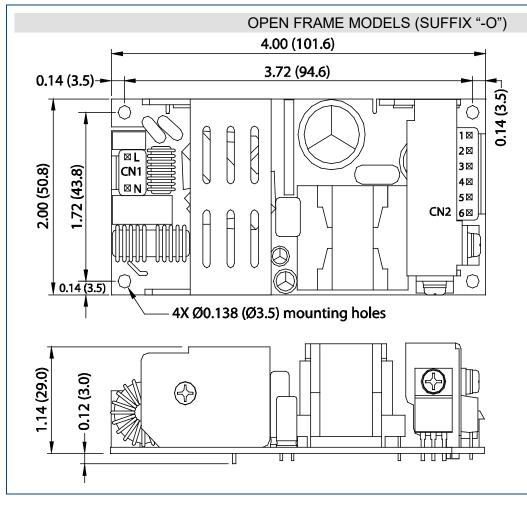
CN2: OUTPUT CONNECTOR		
Pin No.	Function	
1	GND	
2	GND	
3	GND	
4	+Vo	
5	+Vo	
6	+Vo	

JST B6P-VH-B pitch: 3.96mm or equivalent, mates with JST VHR-6N or equivalent

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MECHANICAL DRAWING



Unit: inches (mm)

CN1: INPUT CONNECTOR		
Pin No.	Function	
1	AC (N)	
2	AC (L)	

JST B3P-VH-B pitch: 7.92mm or equivalent, mates with JST VHR-3N or equivalent

CN2: OUTPUT CONNECTOR		
Pin No.	Function	
1	GND	
2	GND	
3	GND	
4	+Vo	
5	+Vo	
6	+Vo	

JST B6P-VH-B pitch: 3.96mm or equivalent, mates with JST VHR-6N or equivalent

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.

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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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