

# **PSHF240W SERIES**

85~132 / 170~264VAC Input Selectable by Switch Up to 240 Watts Output Power 5, 7.5, 12, 15, 24, 30, & 48VDC Single Outputs AC/DC Switching Power Supplies





#### **FEATURES**

- RoHS Compliant
- ±10% Voltage Adjustment Range
- Free Air Convection
- 85~132/170~264VAC Input Selectable by Switch
- High Reliability

- Single Outputs
- 7.83" x 4.33" x 1.97" Enclosed Case
- Up to 240W Output Power
- Short Circuit, Over Current, Over Voltage Protection
- UL60950, EN60950, GB4943, and CE Approvals

### DESCRIPTION

The PSHF240W series of AC/DC power supplies offers up to 240W of output power in a 7.83" x 4.33" x 1.97" enclosed case. This series consists of 5, 7.5, 12, 15, 24, 30 and 48VDC single output models with an input voltage range of  $85\sim132$  /  $170\sim264$ VAC selectable by switch. These supplies have a  $\pm10\%$  output adjustment range and are protected against short circuit, over current, and over voltage conditions. This series is RoHS compliant and has UL60950, EN60950, GB4943, and CE approvals.



## **SPECIFICATIONS: PSHF240W 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.

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SPECIFICATION	TEST CONDITIONS		Min	Nom	Max	Unit	
INPUT SPECIFICATIONS							
Input Voltage Range	Selected by switch		85	85~132 / 170~264VAC			
Inrush Current	At 115VAC At 230VAC	Cold start		20		A	
Input Frequency			47	-	63	Hz	
OUTPUT SPECIFICATIONS							
Output Voltage				See 7	Гable		
Output Voltage Adjustment Range			-10		+10	%	
Line Regulation	Full load		-0.5		+0.5	%	
Load Regulation				0.5		%	
Output Current				See 7	Гablе		
Output Power				See 7	Гable		
Ripple & Noise				See 7	Гable		
Rise Time	Full load			50		ms	
Hold-up Time	Full load			20		ms	
PROTECTION			<u> </u>				
Over Current Protection			110		130	%	
Over Voltage Protection			115		150	%	
Short Circuit Protection	Yes						
GENERAL SPECIFICATIONS							
Efficiency				See 7	Гable		
	Input to Output		3000			VAC	
Withstand Voltage	Input to FG	All for 1 minute	1500				
	Output to FG		500				
Leakage Current	At 230VAC				0.7	mA	
ENVIRONMENTAL SPECIFICATION	DNS						
Operating Temperature			-10		+50	°C	
Operating Humidity	non-condensing		20		93	% RH	
Storage Temperature			-20		+85	°C	
Storage Humidity	non-condensing		20		95	% RH	
Cooling Method				Free air convection			
PHYSICAL SPECIFICATIONS							
Weight					(910g)		
Dimensions (L x W x H)				7.83 x 4.33 x 1.97 inches (199 x 110 x 50 mm)			
SAFETY & EMC CHARACTERISTI	CS						
Safety Standards				60950 <sup>(1)</sup> , E			
EMC Standards				GB9254,	EN55022	Class A	

## **NOTES**

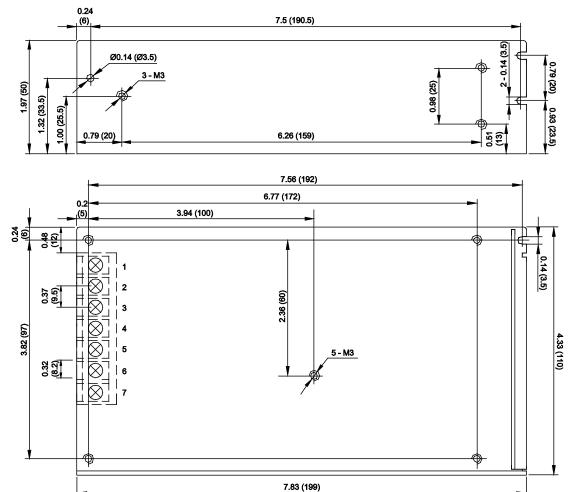
1. This product is Listed to applicable standards and requirements by UL.

<sup>\*</sup>Due to advances in technology, specifications subject to change without notice.

MODEL SELECTION TABLE						
Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Output Power	Efficiency
PSHF240W-SF-5	85~132 / 170~264 VAC (selectable by switch)	5 VDC	40A	100mVp-p	200W	80%
PSHF240W-SF-7.5		7.5 VDC	30A	100mVp-p	225W	82%
PSHF240W-SF-12		12 VDC	18A	100mVp-p	216W	83%
PSHF240W-SF-15		15 VDC	15A	100mVp-p	225W	84%
PSHF240W-SF-24		24 VDC	10A	120mVp-p	240W	85%
PSHF240W-SF-30		30 VDC	8A	150mVp-p	240W	86%
PSHF240W-SF-48		48 VDC	5A	150mVp-p	240W	87%

## **MECHANICAL DRAWING**





Pin	Assignment	
1	AC/L	
2	AC/N	
3	FG	
4,5	DC Output (-V)	
6,7	DC Output (+V)	

	Pin Distance	Pin Quantity
Input Screw Terminal	9.5mm	3
Output Screw Terminal	9.5 mm	4
Size of Screw: Ø4mm		





#### **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:

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