



Size: 11.42in x 4.76in x 2.68in (290mm x 121mm x 68mm)

**FEATURES**

- AC Input Voltage Range of 180~260VAC (260~370VDC)
- Built In Remote Sense
- Built In Power Good Signal Output
- Can Adjust from 20~100% Output Voltage by External Control 1-5V
- Over Load, Over Voltage, Over Temperature and Short Circuit Protection
- Remote ON/OFF
- GB4943, UL60950, and EN60905 Safety Approvals

**DESCRIPTION**

The PSH800 series of AC/DC power supplies offers 800 watts of output power in a 11.42" x 4.76" x 2.68" enclosed case with fan and PFC. This series consists of single output models with an ac input voltage range of 180~264VAC. Each model in this series has built in remote sense, power good signal output, and remote on/off. It also has over load, over voltage, over temperature, and short circuit protection and GB4943, UL60950, and EN60905 safety approvals.

**MODEL SELECTION TABLE**

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Efficiency	Output Power
PSH800-12S	180~264VAC (260~370VDC)	12V	66A	120mV	84%	800 Watts
PSH800-24S		24V	33A	240mV	88%	
PSH800-48S		48V	16A	480mV	89%	
PSH800-60S		60V	13A	500mV	90%	

**SPECIFICATIONS**

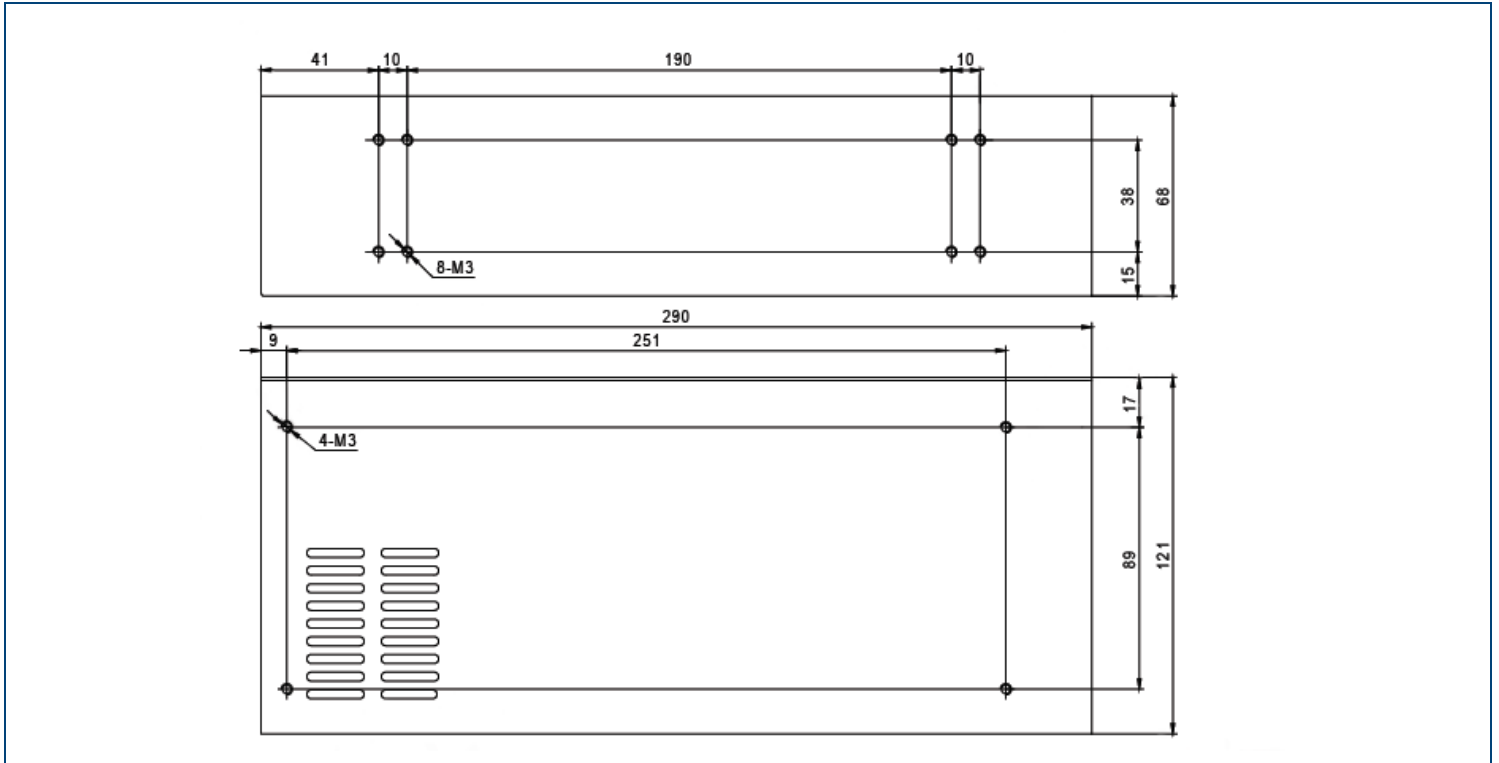
All specifications are based on 25°C, Nominal Input Voltage, and Maximum Output Current unless otherwise noted.  
We reserve the right to change specifications based on technological advances.

SPECIFICATION	TEST CONDITIONS	Min	Typ	Max	Unit
<b>INPUT SPECIFICATIONS</b>					
Input Voltage Range		180		260	VAC
		260		370	VDC
Input Frequency		47		63	Hz
Inrush Current	Cold Start, @115VAC		30		A
	Cold Start, @230VAC		60		
Input Leakage Current	@230VAC			2	mA
Power Factor	@230VAC	0.98			
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage			See Table		
Voltage Adjustment Range			±3		%
Line Regulation	Full Load		≤±0.5		%
Load Regulation			0.5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise (20MHz bandwidth)		See Table			
Rise Time	@Full Load		50		mS
Start-Up Time	@Full Load		20		mS
<b>PROTECTION</b>					
Short Circuit Protection			Yes		
Over Load Protection	Current Limiting, Delay Shutdown, Re-Power On to Recover	105		115	%
Over Voltage Protection	Shut Off, Re-Power On to Recovery	110		135	%
Over Temperature Protection		Yes			
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Temperature		-20		+50	°C
Cooling		Fan			
<b>GENERAL SPECIFICATIONS</b>					
Efficiency		See table			
Withstand Voltage	Input-Output	3.0kVAC/1min			
	Input-FG	1.5kVAC/1min			
	Output-FG	0.5kVAC/1min			
<b>PHYSICAL SPECIFICATIONS</b>					
Weight		5.95lbs (2.7kg)			
Dimensions (L x W x H)		11.42in x 4.76in x 2.68in (290mm x 121mm x 68mm)			
<b>SAFETY CHARACTERISTICS</b>					
Safety Approvals		Meets GB4943, UL60950, EN60950			
EMC		Meets GB9254, EN55022 Class B			

NOTES

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

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:

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