



Size: 7.72in x 2.09in x 1.54in (196mm x 53mm x 39mm)

FEATURES

- Universal AC Input/Full Range
- Constant Voltage Design
- Suitable for Outdoor or Damp Locations
- IP67 Design, Fully Capsulated
- Over Load, Over Voltage, Over Temperature, and Short Circuit Protection
- Design Meets CE & UL60950 Approvals

DESCRIPTION

The PSHC150 series of ac/dc LED power supplies offers 150 watts of output power in a 7.72" x 2.09" x 1.54" package. This series consists of single output models with a universal AC Input range of 90~264VAC. Each model in this series is suitable for outdoor or damp locations, has over load, over voltage, over temperature, and short circuit protection, and is IP67 rated. This series design meets UL60950 approval and features constant voltage. Please call factory for order details.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	Efficiency	Output Power
PSHC150-12	90~264VAC (127~370VDC)	12V	12.5A	120mV	90%	150 Watts
PSHC150-24		24V	6.3A	150mV	90%	
PSHC150-36		36V	4.2A	150mV	88%	
PSHC150-48		48V	3.1A	150mC	89%	

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		90		264	VAC
		127		370	VDC
Input Frequency		47		63	Hz
Inrush Current	@115VAC, Cold Start		30		A
	@230VAC, Cold Start		65		
Input Leakage	@230VAC			1	mA
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Line Regulation	Full Load		≤0.5		%
Load Regulation			0.5		%
Output Power		See Table			
Output Current		See Table			
Ripple & Noise		See Table			
Rise Time	@Full Load		50		mS
Hold Up Time	@Full Load			20	mS
PROTECTION					
Short Circuit Protection		Hiccup Mode, Automatic Recovery			
Over Load Protection	Hiccup Mode, Automatic Recovery	105		150	%
Over Voltage Protection	Shut Off, Re-Power On to Recover	115		150	%
Over Temperature Protection		Yes			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-30		+50	°C
Cooling		Convection			
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Withstand Voltage	Input-Output	3.0kVAC/1min			
	Input-FG	1.5kVAC/1min			
	Output-FG	0.5kVAC/1min			
PHYSICAL SPECIFICATIONS					
Weight		2.31lbs (1.05kg)			
Dimensions (L x W x H)		7.72in x 2.09in x 1.54in (196mm x 53mm x 39mm)			
SAFETY CHARACTERISTICS					
Safety Approvals		Design meets UL60950			
EMC		Design Meets EN55022 Class B, EN61000-3-2,3			

NOTES

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

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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