



Size: 5.83in x 1.57in x 1.18in (148mm x 40mm x 30mm)

**FEATURES**

- Universal AC Input/Full Range
- Plastic Cover
- Built-In Active PFC
- Built-In Constant Current Limiting Circuit
- Over Load, Over Voltage, and Short Circuit Protection
- Suitable for Outdoor LED Lighting Applications, Dry/Damp/Wet Locations
- UL 1310 Class 2, UL 8750, EN60950, and EN61347 Safety Approvals

**DESCRIPTION**

The PSHL20 series of LED drivers offers 20 watts of output power in a 5.83in x 1.57in x 1.18in package with plastic cover. This series consists of single output models with a universal AC Input range. Each model has built-in active PFC and constant current limiting current and has over load, over voltage, and short circuit protection. This series has UL 1310 class 2, UL 8750, EN60950, and EN61347 safety approvals and is suitable for outdoor LED lighting applications.

**MODEL SELECTION TABLE**

Model Number	Input Voltage Range	Output Voltage	Output Current	R&N	Constant Current Range	Efficiency	Output Power
PSHL20-12S	90~264VAC	12V	1.66A	2.0V	8.4~12V	81%	20 Watts
PSHL20-24S		24V	0.84A	2.4V	16.8~24V	83%	
PSHL20-36S		36V	0.56A	3.6V	25.2~30V	84%	
PSHL20-48S		48V	0.42A	3.7V	33.6~48V	84%	

**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		90		264	VAC
		127		370	VDC
Input Frequency		47		63	Hz
Inrush Current	Cold Start @230V		40		A
Input Leakage Current	@230VAC			0.25	mA
PFC	@230VAC	0.9			
<b>OUTPUT SPECIFICATIONS</b>					
Output Voltage		See Table			
Line Regulation	Full Load		±0.5		%
Load Regulation			±0.5		%
Output Power		See Table			
Output Current		See Table			
R&N		See Table			
Rise Time	@Full Load		80		mS
Hold-Up Time	@Full Load		20		mS
<b>PROTECTION</b>					
Short Circuit Protection	Hiccup Mode	Automatic Recovery			
Over Load Protection	Current Limiting, Automatic Recovery	100		110	%
Over Voltage Protection	Shut Off, Repower on to Recover	115		150	%
<b>ENVIRONMENTAL SPECIFICATIONS</b>					
Operating Temperature		-30		+50	°C
Cooling		Cooling			
<b>GENERAL SPECIFICATIONS</b>					
Efficiency		See Table			
Withstand Voltage	Input to Output	3.75kVAC/1min			
<b>PHYSICAL SPECIFICATIONS</b>					
Dimensions (L x W x H)		5.83in x 1.57in x 1.18in (148mm x 40mm x 30mm)			
<b>SAFETY CHARACTERISTICS</b>					
Safety Standards	Design meets UL1310 Class 2, UL8750 <sup>(1)</sup> , EN60950, EN61347				
EMC	Design meets EN55015, EN55022 Class B EN61000-3-2 Class D, EN61000-3-3 EN55024, EN61547				

NOTES

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

*\*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: 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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