



Size: 6.42in x 1.79in x 1.24in (163mm x 45.5mm x 31.5mm)

FEATURES

- Wide Input Voltage Range of 176~264VAC
- Compact Design
- Suitable for Indoor LED Lighting Applications
- IP20 Design
- Built In Active PFC
- Short Circuit Protection
- High Reliability
- Plastic Cover
- Constant Current Limiting Design
- UL1310 Class 2, UL8750, EN60950, and EN61347 Safety Approvals

DESCRIPTION

The PSHL55 series of LED drivers offers 55 watts of output power in a 6.42" x 1.79" x 1.24" package with plastic cover. This series consists of single output models with a wide input voltage range of 176~264VAC and built in active PFC. Each model in this series is suitable for indoor LED lighting applications with its high reliability and constant current limiting and IP20 design. This series has short circuit protection and UL1310 Class 2, UL8750, EN60950, and EN61347 safety approvals.

MODEL SELECTION TABLE

Model Number	Input Voltage Range	Output Voltage	Output Current	Ripple & Noise	No Load Voltage	Efficiency	Output Power
PSHL55-1835	176~265VAC (220~370VDC)	18~35V	1.5A	3.6V	37V Max.	85%	55W
PSHL55-1224		12~24V	2.3A	2.4V	28V Max.	83%	
PSHL55-2448		24~48V	1.1A	3.7V	55V Max.	85%	

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		176		265	VAC
		220		370	VDC
Input Frequency		47		63	Hz
Inrush Current	Cold Start, 230V		20		A
Input Leakage Current	230VAC			0.25	mA
PF	@230VAC	0.9			
OUTPUT SPECIFICATIONS					
Output Voltage		See Table			
Constant Current Tolerance			±5		%
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			
ENVIRONMENTAL SPECIFICATIONS					
Operating Temperature		-30		+50	°C
Cooling		Convection			
GENERAL SPECIFICATIONS					
Efficiency		See Table			
Withstand Voltage	Input to Output	3.75kVAC/1min			
	Input to F/G	1.88kVAC/1min			
	Output to F/G	0.5kVAC/1min			
PHYSICAL SPECIFICATIONS					
Dimensions (L x W x H)		6.42in x 1.79in x 1.24in (163mm x 45.5mm x 31.5mm)			
SAFETY CHARACTERISTICS					
Safety Approvals		Design Meets UL1310 Class 2, UL8750 ⁽¹⁾ , EN60950, EN61347			
EMC		Design Meets EN55015, EN55022 Class B, EN61000-3-2 Class C, EN61000-3-3, EN55024, EN61547			
					Class

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.

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