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

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

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.

Input Specifications
- Input Voltage Range: 176~265VAC, 220~370VDC
- Input Frequency: 47~63 Hz
- Inrush Current: Cold Start, 230VAC 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
- Load Regulation: ±0.5 %
- Output Power: 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°C to +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
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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