

PHC-V01 is a range of 18W RoHS compliant single output Constant Voltage LED Lighting Power Supplies suitable for LED lighting applications indoor and outdoors.

- 180~264VAC AC input range
- Fully encapsulated plastic case with IP67 level
- Short circuit, over load, over voltage, over temperature protections
- Cooling by free air convection
- Meets LPS requirements
- LED lighting and moving sign applications

Applications

- Decorative lighting
- LED Signage
- LED lighting
- Moving signs



18W Single Output IP67 Rated Constant Voltage LED Lighting Power Supply

★ Specification

IP Rating	IP67
Input Voltage	180-264VAC
Input Frequency	47 ~ 63Hz
Input Current	0.3A/230Vac
Inrush Current	50A/230Vac
Leakage Current	0.25mA/230Vac
Voltage Tolerance	±3.0 %

Over Temperature Protection	Tj 170°C typically (U1) Detect on main control IC
Operating Temperature	-30°C to +50°C
Storage Temperature	-40°C to +80°C
MTBF	1200.6Khrs min MIL-HDBK-217F (25°C), ground benign
Safety Standards	Designed to meet UL1310 Class 2, TUV EN60950-1, EN61347-2-13, CSA C22.2 No. 233-M91

EMI Standards	Compliance to EN55022 (CISPR22) Class B, EN61000-3-2,-3; EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A
Dimensions	L140mm x W30mm x H20 mm (Case: 8017HL)
Weight	190g
Input Connections	300±20mm 18AWG UL1015 Blue & Brown cable
Output Connections	300±20mm 18AWG UL1015 Black & Red Cable



IP67

LPS



Part number	Voltage	Current	Power	Eff	OVP
PHC-V01C	12V	1.5A	18W	78%	13.8 - 16.2V
PHC-V01G	24V	750mA	18W	82%	27.6 - 32.4V
PHC-V01K	36V	500mA	18W	83%	41.4 - 48.6V

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★ Mechanical Drawing

