

LPHC-18 Series

18W Single Output LED Lighting PSU



IP64 CE

FEATURES

- Universal AC input / full range
- Built-in constant current limiting circuit with adjustable OCP level
- Short circuit / Overload / Over-voltage protections
- IP67 design for indoor & outdoor installations
- UL1310 Class 2 power unit
- Cooling by free air convection
- 100% full load burn-in test
- Suitable for LED lighting & moving sign applications
- High reliability
- 0-48VDC, 0-25VDC versions available

ENVIRONMENTAL

Operating Temp: -30 to +70°C (with de-rating)

Storage Temp: -40 to +80°C

SAFETY / EMC

UL1310 Class 2
EN60950-1
CAN/CSA C22.2 No. 223-M91 (except 48V)
EN61347-2-13
IP64 approved

EN55022 (CISPR22) Class B
EN61000-3-2,-3
EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
Light industry level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	LPHC-18-XXX	
XXX	350mA	700mA
AC Input	180-264VAC, Single Phase, 47-63Hz	
DC Output		
Voltage	6-48VDC	6-25V
Current	350mA	700mA
Rated Power	30W	30W
Ripple & noise (p-p) (2)	300mV	250mV
Voltage Tolerance (3)	±5.0%	
Line Regulation	±1.0%	
Load Regulation	±3.0%	
	105-140%	
Overload	Constant I limiting. Recovers automatically when fault removed.	
	50.4-60V	28.33
Over Voltage	Shut down output voltage. Re-power on to recover.	
Over Temp	Protection type, Hiccup mode, recovers automatically after temperature goes down	
Dimensions	140(L) x 30(W) x 20(H)mm	
Weight	0.175Kg	

- Notes:**
1. All parameters **NOT** specially mentioned are measured at 230VAC input, rated load and 25°C ambient temperature.
 2. Ripple and noise are measured at 20MHz bandwidth by using a 12" twisted pair wire terminated with a 0.1µF and 47µF parallel capacitor.
 3. Tolerance includes set up tolerance, line and load regulation.
 4. De-rating may be needed under low input voltage conditions. Consult sales for more details.
 5. The power supply is considered a component which will be installed in a final equipment.
The final equipment must be re-tested to meet EMC directive.

Specifications subject to change without notice

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