

PLN-30 Series

30W Single Output LED Lighting PSU



FEATURES

- Universal AC input / full range
- Built-in constant current limiting circuit with adjustable OCP level
- Short circuit / Overload / Over-voltage / Over-temperature protections
- Built-in active PFC function
- IP64 design for indoor or outdoor installations
- UL1310 Class 2 power unit
- Cooling by free air convection
- 100% full load burn-in test
- High reliability
- Suitable for LED lighting and moving sign applications
- 9V, 20V, 27V & 36V versions available

ENVIRONMENTAL

Operating Temp: -30 to +50°C (with de-rating)

Storage Temp: -40 to +80°C

SAFETY / EMC

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

EN55015
EN61000-3-2,-3, EN61000-4-2, 3, 4, 5, 6, 8, 11
ENV50204
EN55024
EN61547
Light industry level, criteria A

ELECTRICAL SPECIFICATIONS

Model No.	PLN-30-XX			
XX	12	15	24	48
AC Input	90-264VAC, Single Phase, 47-63Hz			
Power Factor	PF>0.9/230Vac		PF>0.95/115Vac at full load	
DC Output				
Voltage	12V	15V	24V	48V
Current	0-2.5A	0-2A	0-1.25A	0-0.63A
Rated Power	30W	30W	30W	30.24W
Ripple & noise (p-p) (2)	2V	2.6V	2.6V	3.7V
Voltage Tolerance (3)	±10%			
Line Regulation	±3%			
Load Regulation	±10%			

Overload	110-120%			
	Constant I limiting. Recovers automatically when fault removed.			
	14-16V	17-22V	27-34V	53-63V

Over Voltage Shut down output voltage.
Re-power on to recover.

Over Temperature Shut down output voltage.
Re-power on to recover.

Dimensions 145(L) x 47(W) x 30(H)mm

Weight 0.22Kg

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.



Specifications subject to change without notice

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