

# PLN-60 Series

## 60W 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
- 20V, 27V & 36V versions available

### ENVIRONMENTAL

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

Storage Temp: -40 to +80°C

### SAFETY / EMC

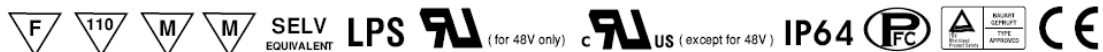
UL1310 Class 2  
CAN/CSA C22.2 No. 223-M91 (except 48V)  
EN61347-1, EN61347-2-13  
IP64 approved

EN55015  
EN55022 (CISPR22) Class B  
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-60-XX			
XX	12	15	24	48
AC Input	90-264VAC, Single Phase, 47-63Hz			
Power Factor	PF>0.9/230Vac		PF>0.98/115Vac at full load	
DC Output				
Voltage	12V	15V	24V	48V
Current	0-5A	0-4A	0-2.5A	0-1.3A
Rated Power	60W	60W	60W	62.5W
Ripple & noise (p-p) (2)	2V	2.4V	2.7V	4.6V
Voltage Tolerance (3)	±10%			
Line Regulation	±4%			
Load Regulation	±10%			
Overload	95-110%	130% max		
Over Voltage	13.8-16V	17.5-21V	28-32V	54-60V
Over Temperature	Shut down output voltage. Recovers automatically when temp goes down.			
Dimensions	181(L) x 61.5(W) x 35(H)mm			
Weight	0.5Kg			

- 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

### Safety Power Group Ltd

9, Farnborough Business Centre, Eelmoor Road, Farnborough, Hampshire. GU14 7QN

Tel: +44 (0) 1252 515565

Fax: +44 (0) 1252 546021

e-mail: sales@safety-power.com

web: www.safety-power.com