

ELN-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 protections
- IP64 design for indoor & outdoor installations
- Built-in dimming function: 1-10VDC or PWM
- 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
- 5V, 9V & 27V versions available

ENVIRONMENTAL

Operating Temp: -20 to +60°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.	ELN-30-XX			
XX	12	15	24	48
AC Input	90-264VAC, Single Phase, 47-63Hz			
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)	120mV	120mV	150mV	250mV
Voltage Tolerance (3)	±5.0%			
Line Regulation	±1.0%			
Load Regulation	±2.0%			
	105-140%			
Overload	Constant I limiting. Recovers automatically when fault removed.			
	13.8-16V	17.5-21V	28-32V	54-60V
Over Voltage	Shut down output voltage. Re-power on to recover.			
Dimensions	145(L) x 47(W) x 30(H)mm			
Weight	0.26Kg			

- 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.

Specifications subject to change without notice

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