

ELN Series

30~60W Single Output Class 2 Power Unit



Features

- Universal AC input / Full range
- Fully isolated plastic case with IP64 level
- Built-in constant current limiting circuit with adjustable OCP level
- Protections: Short circuit / Overload / Over voltage
- **Optional dimming function: 1~10VDC(D type) or PWM(P type) controlled**
- UL1310 Class 2 power unit
- Cooling by free air convection
- Suitable for economical LED lighting and moving sign applications
- 2 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	ELN-30	ELN-60
AC input voltage range	90~264VAC	
AC inrush current (max.)	Cold start, 60A at 230VAC	
DC adjustment range	±10% rated output voltage	
Overload protection	95%~110% constant current limiting, auto-recovery	95%~130% constant current limiting, auto-recovery
OVP	Range	115%~135% rated output voltage
	Type	Shut off, AC recycle to re-start
Withstand voltage	I/P-O/P: 3KVAC	
Working temperature	-20~+60°C (refer to output derating curve)	
Vibration	10~500Hz, 2G 10min/1 cycle, period for 60 min each along X, Y, Z axes	
Safety standards	Design refer to UL1310 Class 2, TUV EN60950-1, EN61347-2-13	
EMC standards	EN55022 class B, EN61000-3-2,3, EN61000-4-2,3,4,5,6,8,11, ENV50204	
Connection	Input/Output: UL rated, 18AWGx2C (30cm); Output(with optional dimming function): 18AWGx4C (30cm)	
Dimension (L*W*H)(mm)	145x 47x 30	181x 61.5x 35
Case No.	964A	960A
Packing	0.26kg ; 60pcs / 16.6kg / 1.25CUFT	0.4kg ; 24pcs / 11.0kg / 0.75CUFT

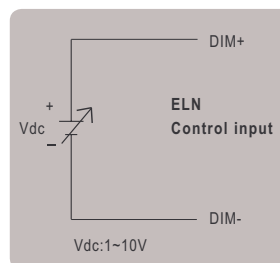
30W						60W					
Stock No.	Model No.	Output	Tol.	R&N	Effi.	Stock No.	Model No.	Output	Tol.	R&N	Effi.
11511	ELN-30-5	5V, 0~5.0A	±5%	80mV	75%	11521	ELN-60-9	9V, 0~5.0A	±5%	120mV	82%
11512	ELN-30-9	9V, 0~3.4A	±5%	100mV	80%	11522	ELN-60-12	12V, 0~5.0A	±5%	120mV	85%
11513	ELN-30-12	12V, 0~2.5A	±5%	120mV	82%	11523	ELN-60-15	15V, 0~4.0A	±5%	150mV	86%
11514	ELN-30-15	15V, 0~2.0A	±5%	120mV	82%	11524	ELN-60-24	24V, 0~2.5A	±5%	150mV	87%
11515	ELN-30-24	24V, 0~1.25A	±5%	150mV	85%	11525	ELN-60-27	27V, 0~2.3A	±5%	200mV	87%
11516	ELN-30-27	27V, 0~1.12A	±5%	150mV	85%	11526	ELN-60-48	48V, 0~1.3A	±5%	250mV	88%
11517	ELN-30-48	48V, 0~0.63A	±5%	250mV	87%						

► Dimming Control (optional)

Through the dimming function, output current of ELN series can be adjusted to reduce the energy consumption or adjust the brightness of LEDs connecting to it. Two kinds of control signal are accepted: 1~10VDC (D-type option) or PWM signal (P-type option).

■ D Type:

1~10Vdc external control signal



■ P Type:

PWM control signal

