

ELED-60-V Series

60W 0/1-10V Dimmable LED Driver



CE SELV IP66

Features:

- Constant voltage
- 3 in 1 dimming function (0/1-10Vdc or 10v PWM signal or resistance)
- AC input: 100-265VAC
- Built-in active PFC function
- High efficiency up to 86%
- Protections: Short circuit/ Over current/ Over loading
- IP66 design for indoor and outdoor installation
- Suitable for LED lighting and moving signs

Models

ELED-60-12V

ELED-60-24V

Output Specifications

Output Voltage	12V	24V
Voltage Tolerance	± 0.5%	
Output Current	5A	2.5A
Rated Power	60W	

Input Specifications

Input Voltage	100-265VAC	
Frequency Range	47-63Hz	
Inrush Current	14.8A (Twidth=39μs 230VAC)	
Full Load Efficiency (Typ.)	84%	86%
AC Current (Max.)	0.65A	0.64A
Leakage Current	<0.50mA	
Power Factor	PF>0.95/120VAC PF>0.92/230VAC PF>0.90/265VAC (Full Loading)	

Protection

Short Circuit	Hicup mode, recovers automatically after fault condition is removed	
Over Loading	≤120%	
Over Current	≤1.2*I _{out}	
Over Temperature	100°C±10°C, Shut down o/p voltage, recovers automatically after temp. goes down.	

Environment

Working Temperature	-40~+60°C (Refer to derating curve)	
Working Humidity	20-95% RH, non-condensing	
Storage Temperature, Humidity	-40~+80°C, 10-95% RH	

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Environment

Temperature Coefficient	$\pm 0.03\%/^{\circ}\text{C}$ (0-50°C)
Vibration	10-500Hz 5G 12min./ 1 cycle, period for 72min. each along X, Y, Z axes

Safety & EMC

Safety standards	EN61347-1, EN61347-2-13
Withstand voltage	I/P-O/P:3.75KVAC I/P-FG:1.88KVAC O/P-FG:0.5KVAC
Isolation resistance	I/P-O/P I/P-FG O/P-FG:100M Ω /500VDC/25°C/70%RH
EMC Emission	Compliance to EN55015, EN61000-3-2 ($\geq 60\%$ load)
EMC Immunity	EN61000-4-2,3,4,5,6,11, EN61547, lighting industry Level (surge 4KV) Criteria A

Other Specifications

Weight	1.0 Kg
Size	200 x 70 x 43 mm
Packing	329 x 279 x 176 mm (10PCS/CTN)

Mechanical Specifications

