

ELED-300-V Series

300W 0/1-10V Dimmable LED Driver



Features:

- Three in one dimming function (0/10Vdc or PWM signal or resistance)
- Output constant voltage
- AC input 100-265VAC
- High efficiency up to 91%
- Protections: Short circuit/over loading/over current
- Cooling by free air convection
- Built-in active PFC function



Models

ELED-300-12V

ELED-300-24V

Output Specifications

DC Voltage	12V	24V
Voltage Tolerance		± 0.5%
Rated Current	25A	12.5A
Rated power		300W

Input Specifications

Voltage Range	200-240VAC	
Frequency Range	47-63Hz	
Inrush Current	49.20A (Twidth=730µs 230VAC)	
Power Factor (Typ.)	PF≥0.98/230VAC PF≥0.95/265VAC(Full loading)	
Full Load Efficiency (Typ.)	90%	91%
AC Current (Typ.)	2A	
Leakage Current	<0.50mA	

Protection

Short Circuit	Hiccup mode, recovers automatically after fault condition is removed
Over Load	<120%
Over Current	<1.2*Iout

Environment

Working TEMP.	-40~+60°C
Working humidity	20- 95% RH, non-condensing
Storage Temp. Humidity	-40 - +80°C, 10-95%RH
Temp. Coefficient	± 0.03%/°C (0-50°C)

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Environment

Vibration 10-500Hz 5G 12min./ 1 cycle, period for 60min. 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 Ohms/500VDC/25°C/70%RH

EMC Emission Compliance to EN55015, EN61000-3-2, EN61000-3-3

EMC Immunity Compliance to EN61000-4-2,3,4,5,6,11, EN61547, light industry Level (surge 4KV) Criteria A

Other Specifications

Weight 1.7 Kg

Size 276 x 78 x 47 mm

Packing 390 x 310 x 185 mm (10PCS/CTN)

Mechanical Specifications

