

ELED-100-V Series

100W 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: 200-240VAC
- 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-100-12V

ELED-100-24V

Output Specifications

| | | |
|-------------------|--------|-------|
| Output Voltage | 12V | 24V |
| Voltage Tolerance | ± 0.5% | |
| Output Current | 8.34A | 4.17A |
| Rated Power | 100W | |

Input Specifications

| | | |
|-----------------------------|-------------------------------|-----|
| Input Voltage | 200-240VAC | |
| Frequency Range | 47-63Hz | |
| Inrush Current | 45.2A (Twidth=520µs 230VAC) | |
| Full Load Efficiency (Typ.) | 83% | 86% |
| AC Current (Max.) | 0.8A | |
| Leakage Current | <0.50mA | |
| Power Factor | PF>0.98/230VAC (Full Loading) | |

Protection

| | | |
|------------------|--|--|
| Short Circuit | Hicup mode, recovers automatically after fault condition is removed | |
| Over Loading | ≤120% | |
| Over Current | ≤1.2*Iout | |
| 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 | ±0.03%/°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:100MΩ/500VDC/25°C/70%RH |
| EMC Emission | Compliance to EN55015, EN61000-3-2 (≥60%load) |
| EMC Immunity | EN61000-4-2,3,4,5,6,11, EN61547, light industry Level (surge 4KV) Criteria A |

Other Specifications

| | |
|---------|--------------------------------|
| Weight | 1.05 Kg |
| Size | 230 x 70 x 43 mm |
| Packing | 329 x 279 x 176 mm (10PCS/CTN) |

Mechanical Specifications

