

K2 Series LED Driver

Product Specifications

High Power Constant Voltage LED Driver

| | |
|-------------------|----------------|
| Total Power | 60 / 100 Watts |
| Input Voltages | 110 ~ 277 VAC |
| Number of Outputs | One |

ANZ#: Z218b, April 1, 2014

SPECIAL FEATURES

- IP66 enclosure for wet location applications
- Size: See mechanical specifications for details
- Full range AC input from 110VAC ~ 277VAC, 50-60Hz
- Special wiring compartment comply to NEC standards
- High efficiency at 87% meets Energy Star requirement
- Short circuit / Over Voltage / Overload protection
- AC Surge protect at 4KV/4KV
- Dimmable via 1-10V with "Enable" feature
- Three year warranty

ENVIRONMENTAL

| | |
|----------------------------|--|
| Operating temperature: | -40 to +50 °C (derate 2.5% per deg. from 50 to 70 °C) |
| Storage temperature: | -40 to +85 °C |
| Humidity (Non-Condensing): | 5% to 95% |
| Cooling: | Convection |
| Vibration Frequency: | 5 to 50 Hz |
| MTBF: | >100,000 Hours at full load and 25°C ambient conditions (MIL-217F) |



| SPECIFICATION PARAMETER | K2-U12 | K2-U12-XL | K2-U24 | K2-U24-XL |
|---------------------------------|--|---------------|----------------------------|---------------|
| Input Voltage / Current (VAC/A) | 110 ~ 277VAC / 0.75 ~ 0.27 | | 110 ~ 277VAC / 0.88 ~ 0.32 | |
| Input Frequency (Hz) | 50/60 Hz | | | |
| Inrush Current | 10A, 110VAC / 23A, 277VAC | | | |
| PF / THD | > 0.9 / < 20% | | | |
| Efficiency (240VAC full load) | 84% typ | | 86% typ | |
| Dimming (1-10V) | Optional | Standard | Optional | Standard |
| Line Regulation | ± 3% | | | |
| Output Voltage (VDC) | 12VDC, ± 5% | | 24VDC, ± 5% | |
| Output Current (max.) | 5.0 A max. | | 4.2 A max. | |
| Output Power (W) | 60W Max. | | 100W Max. | |
| Load Regulation | ± 5% | | | |
| Load Range | 60% ~ 100% | | | |
| Short Circuit Protection | Yes | | | |
| Overload Protection | 130% of the rated power | | | |
| Thermal Protection | Optional | | | |
| Safety Approval | UL Recognized (UL879, Class 2) | | | |
| EMC Compatibility | FCC Class A | | | |
| Surge Compatibility | 4KV | | | |
| Operational Temperature | -40 ~ 50 Deg. C (de-rate 2.5% per deg. from 50 to 70 °C) | | | |
| Humidity | 5% - 95% non-condensing | | | |
| Storage Temperature | -40 ~ 85 Deg. C | | | |
| Max. Temperature at Tc | 80 Deg. C | | | |
| Output Configuration | Cord | Wiring Box | Cord | Wiring Box |
| Dimension (L x W x H mm) | 154 x 64 x 40 | 216 x 64 x 40 | 154 x 64 x 40 | 216 x 64 x 40 |

