

traxon



LED Engine Smart 150W Outdoor



PS.OA.0010000

A universal AC input Power Supply Unit (PSU), equipped with TX Connect outdoor ready connector. The LED Engine Smart 150W Outdoor is a slim, fanless power supply that ensures high reliability in any LED lighting application.



INDOOR



IP67

OUTPUT SPECIFICATIONS

- **Power Interface:** TX Connect Smart Outdoor
- **DC Voltage:** 24V
- **Rated Current:** 6.3A
- **Rated Power:** 151.2W
- **Ripple & Noise (max.):** 150mVp-p
- **Voltage Tolerance:** $\pm 1.0\%$
- **Line Regulation:** $\pm 0.5\%$
- **Load Regulation:** $\pm 0.5\%$
- **Setup, Rise Time:** 3000ms, 80ms at full load 230VAC/115VAC
- **Hold Up Time (typ.):** 50ms / 230VAC; 16ms / 115VAC at full load

INPUT SPECIFICATIONS

- **Mains Interface:** Open cable
- **Voltage Range:** 100 ~ 280VAC
- **Frequency Range:** 47 ~ 63Hz
- **Power Factor (typ.):** $PF \geq 0.95/230VAC$; $PF \geq 0.98/115VAC$ at full load and rated output voltage
- **Efficiency (typ.):** 90%
- **AC Current (typ.):** 2A / 115VAC; 1A / 230VAC
- **Inrush Current (typ.):** COLD START 65A / 230VAC
- **Leakage Current (typ.):** $< 2mA / 240VAC$

PROTECTION

- **Over Current:** 100 ~ 110% rated output power (Constant current limiting, recovers automatically after fault condition is removed)
- **Over Voltage:** 28 ~ 34V (Shut down and latch off output voltage, re-power on to recover)
- **Over Temperature:** $100^{\circ}C \pm 10^{\circ}C / 212^{\circ}F \pm 50^{\circ}F$ (RTH2) (Shut down output voltage, re-power on to recover)

ENVIRONMENT

- **Working Temperature:** $-30^{\circ}C \sim +55^{\circ}C / -22^{\circ}F \sim +131^{\circ}F$ @ full load; $+70^{\circ}C / +158^{\circ}F$ @ 60% load
- **Working Humidity:** 20 ~ 90% RH non-condensing
- **Storage Temperature, Humidity:** $-40^{\circ}C \sim +80^{\circ}C / -40^{\circ}F \sim +176^{\circ}F$; 10 ~ 95% RH
- **Vibration:** 10 ~ 500Hz, 2G 10min./cycle, period for 60min. each along X, Y, Z, axes

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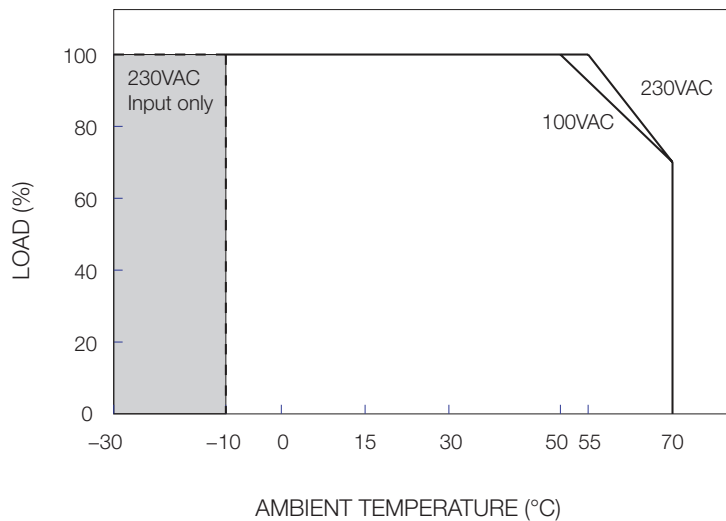
SAFETY & EMC

- **Safety Standards:** UL approved, TUV approved, EN61347-1, EN61347-2-13, EN60950-1
- **EMI Conduction & Radiation:** Compliance to EN55015 FCC PART 15 Subpart B
- **Harmonic Current:** Compliance to EN61000-3-2
- **EMS Immunity:** Compliance to EN61547, EN61000-3-3

OTHERS

- **MTBF:** 303.7khrs min. MIL-HDBK-217F (25°C / 77°F)
- **Dimension :** 222mm x 68mm x 39mm / 8.7" x 2.7" x 1.5"
- **Cables :** 300mm/11.8" 18AWGx3C AC input cable; 300mm/11.8" 18AWGx2C DC output cable
- **Packing:** 1kg / 2.2lbs

DERATING CURVE





TECHNICAL DRAWING

