

### KT-EMRG-LED-5C-500-SEN

### CONSTANT-POWER EMERGENCY LED BACK-UP DRIVER

#### **DESCRIPTION**

Constant-Power Emergency LED Back-Up Driver | 5W Output | 120 –277V Input | CEC T20 Compliant













**DRIVER TYPE:** Constant-Power Emergency LED Back-Up Driver

**MAX. OUTPUT POWER: 5W** 

INPUT VOLTAGE: 120-277Vac ±10%

**NUMBER OF OUTPUTS: One** 

SAFETY STANDARD: UL 924, Complies with CEC Title 20 Efficiency Standards

LOCATION: IP20 design for dry and damp locations

WARRANTY: 5 Years

#### **ELECTRICAL SPECIFICATIONS**

Input voltage range	120~277Vac ± 10%
Frequency	50/60Hz
Power factor	> 0.5 under 120~277Vac input
Inrush current	7A @230V
Max input current	50mA @120V, 35mA @240V, and 30mA @277V
THD	<170% under 120~277Vac input
Output voltage	20–60Vdc Class 2 compliant Remarks: The output power is valid for output voltage ≤ 58V; above that, power will drop
Output current	250mA @ 20Vdc, 86mA @ 58Vdc
Output power	5W (constant)
Turn-on Delay Time	<1s
Overshoot	<10%
Ripple & Noise (pk-pk)	<10%
Withstand voltage	Input to output, 2800Vdc, 2mA
Leakage current	Maximum 0.5mA at 277Vac, 60Hz input
Protection	Over-voltage protection: Hiccup mode. Protection will trigger when load voltage exceeds specified output voltage and will auto recover after the fault mode is removed.  Over-current protection: Hiccup mode. Protection will trigger when load current exceeds specified output current and will auto recover after the fault mode is removed.  Short-circuit protection: Hiccup mode. Protection will trigger when short circuit and will auto recover after the fault mode is removed.
<b>Emergency Operation</b>	90 minutes
Battery	High-temperature, maintenance-free, LiFePO <sub>4</sub> battery, 9.6Vdc, 3 cell
Recharge Time	24 hours
<b>Battery Charging Current</b>	307mA



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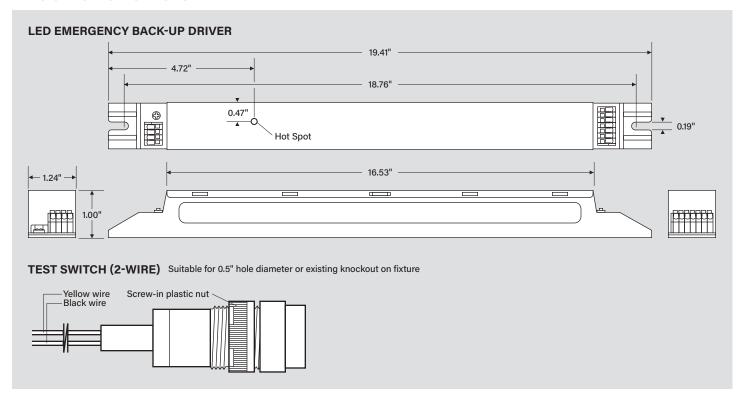
#### **ENVIRONMENTAL SPECIFICATIONS**

Operating temperature	0°C/32°F to 55°C/131°F
Storage temperature	-20°C/-4°F to 55°C/131°F
Humidity	5% to 95%
MTBF	284,000 hours at 40°C/104°F ambient (~55°C/131°F case temp)
Life rating	97,500 hours at 120Vac input, 100% load and 55°C/131°F case temp
Maximum ambient temperature	55°C/131°F

#### **SAFETY AND EMC COMPLIANCE**

UL/cUL	UL 924, Complies with CEC Title 20 Efficiency Standards
FCC, 47CFR Part 15	ANSI C63.4:2009 Class B (consumer limit)
EN61000-3-2	Harmonic current emissions Class C

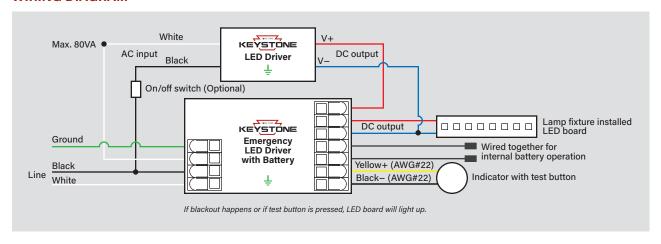
#### **PHYSICAL SPECIFICATIONS**





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#### **WIRING DIAGRAM**



#### **ORDERING INFORMATION**

ORDER CODE	DESCRIPTION	PACK QTY.	ITEM STATUS
KT-EMRG-LED-5C-500-SEN	LED Emergency Back-Up Driver, CEC Compliant	12	Active

#### **CATALOG NUMBER BREAKDOWN**

KT-EMRG-LED-5C-500-SEN

- 1 Keystone Technologies
- 2 Emergency Back-Up
- 3 LED Driver
- **4** Nominal Wattage
- **5** CEC Compliant
- 6 Nominal Lumen Output
- 7 Slim Case
- 8 1-Piece Enclosure