

ACE-G10I30I30CP Emergency LED Driver



Primary Specifications:

Output Power Max	Input Power	Input Current Max	Emergency Operating Time	Battery	Input Voltage	Output Voltage	Ambient Operating Temperature	UL Listed for US and Canada
10 W	8 W	110 mA	90 min.	LiFePO ₄ 24 Hour recharge 7 to 10 year Life expectancy	120-277 Vac 50/60Hz	30-130 V ¹	0 °C through 55 °C	UL and cUL (UL924) Emergency LED Driver



Description:

The **ACE-G10I30I30CP** from AC Electronics is a UL Listed Emergency LED Driver that enables the same LED fixture to be used for both normal and emergency operation. The **ACE-G10I30I30CP** contains a LiFePO battery, a high-efficiency battery charger, control circuitry, and high-efficiency power converter circuits, in a single metal enclosure. In the event of a normal power failure, the **ACE-G10I30I30CP** switches to emergency-mode and operates the fixture's LED array

Additional Specifications:

- Normal (ac) driver maximum output current:.....5 A²
- Output current range:..... 77 mA to 333 mA³
- Surge protection:.....3 kVp
- Maximum case temperature T_c:..... 66 °C
- Nominal battery voltage:..... 6.4 V
- Battery charge current:.....185 mA
- Metal enclosure IP rating:..... IP30
- Weight..... 4 lb
- Dimensions:.....11.97 in L x 1.7 in W x 1.2 in H

¹The emergency-mode output voltage operating range is 30 - 130 V.

²The Normal (ac) Driver maximum output current is the maximum current allowed to pass through the **ACE-G10I30I30CP** circuitry in Normal-mode.

³The emergency-mode output current is automatically adjusted to maintain a constant output power across the output voltage range.

*Warranty: 5 years based on a maximum case temperature of ≤ 60 °C, 3 years warranty based on a maximum case temperature of ≤ 66 °C

5-Year USA-Backed Warranty*
See complete AC Electronics/ACE LEDS Warranty information for details.

or module for 90 minutes at a constant power of 10 W. When normal power returns, the **ACE-G10I30I30CP** returns to normal-mode and provides a short delay (a few ms) of applied AC power to the normal AC LED DRIVER. The **ACE-G10I30I30CP** can be used in switched or unswitched fixture applications. The **ACE-G10I30I30CP** can drive any LED array or module in emergency-mode with a voltage range of 30-130 Vdc and that can operate at a current range of 77 mA to 333 mA.

Safety and Regulatory Compliance:

- UL and cUL Listed as an Emergency LED Driver (UL924)
- UL Listed for both field and factory installation
- CEC Title 20 compliant: Certified in CA Title 20 Appliance Efficiency Database – Battery Charger
- EMI: Complies to FCC commercial limits
- RoHS compliant

Features, Benefits, and Applications:

- Constant output power: Maintains constant emergency light levels over the full 90-minute runtime and over the output voltage range.
- Self-sensing output voltage: Automatically adjusts over the 30-130 V range to maintain constant power.
- Includes input over voltage surge protection, output short circuit, open circuit, and over-voltage protection, as well as over-temperature protection for improved reliability.
- Two-wire universal input: Reduces wiring errors and reduces installation time and complexity.
- Includes a miniature illuminated test switch status indicator: Enables mounting in small spaces.
- Suitable for indoor and damp locations.
- Compatible with a variety of LED fixtures, such as emergency-only fixtures, as well as new and existing fixtures.
- Includes an isolated AC power relay which is used to provide a delay of the applied AC power to the normal AC LED DRIVER upon transition from emergency-mode to normal mode.