EMERGENCY BACK-UP LED DRIVER
Input Voltage: 120-277V, 50.60Hz • Surge Rating 3kV

ACE-G10-55-B190

EMERGENCY POWER BOTTOM MOUNT: Battery Type/Model No.: LiFePO4 6.4VDC with 3300mAh

<table>
<thead>
<tr>
<th>Output Power Max</th>
<th>Input Power</th>
<th>Input Current Max</th>
<th>Operating Duration Min.</th>
<th>Battery Charge Time Max.</th>
<th>Output Voltage</th>
<th>Output Current</th>
<th>Battery Voltage</th>
<th>IP Rating</th>
<th>Battery Charge Current</th>
<th>Battery Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>10W</td>
<td>4W</td>
<td>60mA</td>
<td>90min.</td>
<td>24Hrs</td>
<td>15-55V</td>
<td>190mA</td>
<td>6.4V</td>
<td>30</td>
<td>185mA</td>
<td>LiFePO4</td>
</tr>
</tbody>
</table>

**Description:**
This AC Electronics UL Listed Emergency Backup Driver allows a single fixture to be used for both regular and emergency (loss of power) operations. If power fails, this emergency driver switches to “Emergency Mode”. It will then operate the LED modules for 90 minutes at an output voltage in the range of 15-55 V. It can be used in conjunction with switched and unswitched fixture applications.

During Emergency operation, this driver will drive any LED module that is designed to accept a constant current input of 190mA and has an input voltage in the range of 15-55 VDC.

**Product Features:**
- At least 90 minute operation in emergency mode
- Wide range input voltage - range - 120-277VAC
- Test switch and AC Power-On LED indicator for self-diagnostic test
- Operating Temperature Range 0˚C Through 55˚C
- Maximum Case Temperature 66˚C @ 3-year Warranty
- Up to 71% Efficiency
- 5-year USA Backed warranty*
- Surge Protection - 3kV
- Open/Short/Over-Voltage/Over Temperature protection

**SAFETY:**
- UL and cUL Listed as an LED emergency driver (UL 924)
- UL/cUL Class 2
- UL Classified Field or Factory Installation
- Two-wire universal AC Input
- Self-sensing output voltage adjusts to various LED loads
- Includes battery status indicator
- Long life high temperature LiFePO4 battery
- Warranty: 5 years based on a max. case temp. of ≤60˚C*
- AC Driver maximum output current = 8.0 Amps @ 55VDC

**Product Benefits:**
- Title 24 compatible
- Maintains constant emergency light levels. No power/light degradation throughout the 90-minute runtime.
- Can be used with existing or new fixtures.
- LiFePO4 batteries have a life span up to 10 times longer than that of traditional lead acid batteries. They also operate with much lower resistance and consequently recharge at a faster rate.
- Bottom Mount
- CEC Title 20 Compliant

**Applications:**
- New and existing fixtures
- Emergency back-up installations
- Emergency only fixtures
- With constant current Class 2 LED driver
- See page 3 for additional accessories with order numbers

5-Year USA-Backed Warranty*
See complete AC Warranty information for details
ENCLOSURE:

Accessories with Ordering Numbers
The ACE-G10-55-B190 model can be ordered with plastic or metal wall plates. Please see the ordering numbers below to determine which best meets your requirements.

<table>
<thead>
<tr>
<th>Plastic</th>
<th>Metal</th>
</tr>
</thead>
<tbody>
<tr>
<td>AEMC2WPL1</td>
<td>AEMC2WMT2</td>
</tr>
</tbody>
</table>

INSTALLATION:

This emergency backup driver may be used with either a switched or unswitched fixture. If a switched fixture is used, an unswitched hot lead must be connected to this emergency backup driver to allow its battery to charge when AC power is available. The emergency backup driver must be fed from the same branch circuit as the AC powered driver (if used). This emergency backup driver should NOT be installed with fixtures where the ambient temperature may fall below 0 °C (32°F).

- Maximum remote mounting distance to LEDs is 18 feet.
- The emergency backup driver case should be grounded.
- 18 AWG 600V/105°C tinned stranded copper lead-wires required for installation.
- The emergency backup driver shall be installed inside an electrical enclosure.

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Application and performance specifications subject to change without notification.
3401 Avenue D, Arlington, TX 76011 • 800-375-6355 • Fax: 817-624-8915
www.aceleds.com • E-mail: oemsales@aceleds.com

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ACE-G10-55-B190

Battery Current

- Vo=55VDC
- Vo=15VDC

Battery Voltage

- Vo=55VDC
- Vo=15VDC

LED Current

- Vo=55VDC
- Vo=15VDC

Efficiency

- Vo=55VDC
- Vo=15VDC

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