EMERGENCY BACK-UP LED DRIVER

Input Voltage: 120-277V, 50.60Hz • Surge Rating 3kV

**ACE-G20-55-380C**

**EMERGENCY POWER:** Battery Type/Model No.: FHSBTL LiFePO4 9.6VDC with 6800mAh

<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>20W</td>
<td>5W</td>
<td>70mA</td>
<td>90min.</td>
<td>48Hrs</td>
<td>15-55V</td>
<td>380mA</td>
<td>9.6V</td>
<td>30</td>
<td>210mA</td>
<td>LiFePO4</td>
</tr>
</tbody>
</table>

**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-diagnostics
- 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.
- CEC Title 20 Compliant

**Applications:**
- New and existing fixtures
- Emergency back-up installations
- Emergency only fixtures
- With constant current Class 2 LED driver

See complete AC Warranty information for details

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EMERGENCY BACK-UP PACK

Input Voltage: 120-277V, 50.60Hz • Surge Rating 3Kv

WIRING:

Recommended

Alternate

Application and performance specifications subject to change without notification.
EMERGENCY BACK-UP PACK

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ENCLOSURE:

**Lead Lengths**

<table>
<thead>
<tr>
<th></th>
<th>Black</th>
<th>Blue</th>
<th>Brown</th>
<th>White</th>
<th>Red</th>
<th>Yellow/Black</th>
<th>Yellow</th>
<th>Black/Red</th>
</tr>
</thead>
<tbody>
<tr>
<td>Length</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
<td>5.9&quot;</td>
</tr>
</tbody>
</table>

**Dimensions**

<table>
<thead>
<tr>
<th></th>
<th>Length</th>
<th>Height</th>
<th>Mounting Length</th>
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</thead>
<tbody>
<tr>
<td>Length</td>
<td>13.3&quot;</td>
<td>1.49&quot;</td>
<td>12.7&quot;</td>
</tr>
<tr>
<td>Width</td>
<td>2.44&quot;</td>
<td></td>
<td></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

- Maximum remote mounting distance to LEDs is 18 feet.
- The emergency backup driver case should be grounded.

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).

- 18 AWG 600V/105°C tinned stranded copper lead-wires required for installation.
- The emergency backup driver shall be installed inside an electrical enclosure.

*AC Electronics/AC LED Power Designs warrants to the purchaser that each LED Driver will be free from defects in material or workmanship for a period of 5 years when operated at max case temp of up to <60°C when properly installed and under normal conditions of use.

See aceleds.com for complete warranty policy.