EMERGENCY BACK-UP LED DRIVER

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

ACE-H20-55-380C

EMERGENCY POWER: Battery Type/Model Number: 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>

**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 380mA 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-diagnostics 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 @ 55 VDC

**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.
- With metal conduit for mounting outside of fixture
- CEC Title 20 Compliant

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

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

WIRING:

Recommended

Battery Connector

DC Inverter

LED Emergency Pack

Battery

DRIVER MUST BE GROUNDED

AC LED Driver

Not Included

Optional

AC LED Driver

Not Included

Battery Connector

DC Inverter

LED Emergency Pack

Battery

DRIVER MUST BE GROUNDED

WIRING:

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DRIVER MUST BE GROUNDED

AC LED Driver

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Optional

AC LED Driver

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DRIVER MUST BE GROUNDED

Alternate
EMERGENCY BACK-UP LED DRIVER
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ACE-H20-55-380C

ENCLOSURE:

Dimensions

Length 13.3”
Height 1.49”
Width 2.44”
Mounting Length 12.79”

Lead Lengths

Black 25.59”
Blue 25.59”
Brown 25.59”
White 25.59”
Red 25.59”
Yellow 25.59”
Yellow/Black 25.59”
Yellow 25.59”

Accessories with Ordering Numbers

The ACE-H20-55-380C model can be ordered with plastic or metal wall plates. Please see the ordering numbers below to determine which best meets your requirements.

AEMC2WPL1 AEMC2WMT2

Wall Plate Dimensions

Plastic

Height 4.52”
Width 2.75”
Indicator to top 2.32”
Mounting Length 3.26”

Metal

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.

• 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.

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