



HotSpot2 LED Emergency Lighting System

Compact, modular emergency backup for LED luminaires



- Provides reliable emergency lighting capability in LED luminaires
- Low energy use during standby mode (CEC Title 20 Compliant)
- Programmable output current enables custom emergency runtimes
- Self-diagnostic capability reduces liability and maintenance costs

The HotSpot2 is a CEC-compliant LED emergency lighting system for use with LED modules driven by a constant current source. The battery charger automatically adjusts to the connected battery, and output current can be set by a wiring harness or Fulham's SmartSet programming software, allowing a wide range of lumen outputs and runtimes. Two driver form factors, plus a range of batteries, test switches, and extension cables, allow the HotSpot2 to provide LED emergency lighting in almost any situation.

HotSpot2 Drivers

| Model Number | FHS2-UNV-36L | FHS2-UNV-56S |
|-------------------------|---|-------------------------|
| Input Voltage | 100-277VAC | |
| Input Frequency | 50/60Hz | |
| Input Current | 0.1A Max | |
| LED Currents | 100mA - 700mA | |
| Standby Input Power | <0.8W | |
| Total LED Power | 20W | |
| Input Surge Protection | 2.5KV Ring Wave | |
| Over Current Protection | Fuse | |
| Illumination Time | 90 - 350 Min | |
| LED Connection | Series | |
| LED Output Protection | Self Resetting PTC | |
| Output Classification | UL1310/Class 2 | |
| Bicolor LED Indicator | Included LED indicator / test switch provides automatic system status updates | |
| Output Voltage | 12 - 55VDC | 12 - 56VDC |
| Dimension | L 5.3" x W 1.7" x H .93" | L 9.5" x W 1.19" x H 1" |

HotSpot2 Emergency Battery Packs

| Model Number | Dimensions (L x W x H) | Chemistry | Capacity (mAh) | Battery Count | Recharge Time | Max. Load for 90 min. (W) | |
|---------------|---------------------------|-----------|-------------------|------------------|------------------|---------------------------|------|
| | | | | | | -36L | -56S |
| FHSBATT8-AA.9 | 5.23" x 2.39" x 0.66" | NiCd | 900 | 8 Cells | 24Hrs | 4 | 4 |
| FHSBATL3-1 | 3.48" x 2.29" x 0.91" | LiFePO4 | 1000 | 3 Cells | 24Hrs | 4 | 4 |
| FHSBATL6-.6 | 5.23" x 1.88" x 0.88" | LiFePO4 | 1200 | 6 Cells | 24Hrs | 6 | 4 |
| FHSBATL3-1.5 | 3.48" x 2.70" x 0.91" | LiFePO4 | 1500 | 3 Cells | 24Hrs | 8 | 8 |
| FHSBATL3-1.5S | 8.87" x 1.11" x 0.96" | LiFePO4 | 1500 | 3 Cells | 24Hrs | 8 | 8 |
| FHSBATL9-.6 | 7.52" x 1.81" x 1.18" | LiFePO4 | 1800 | 9 Cells | 24Hrs | 10 | 8 |
| FHSBATTC3-3† | 6.00" x 3.60" x 1.55" | LiFePO4 | 3000 | 3 Cells | 24Hrs | 14* | 14* |
| FHSBATL6-1.5 | 5.70" x 2.70" x 0.91" | LiFePO4 | 3000 | 6 Cells | 24Hrs | 16 | 14 |
| FHSBATL6-1.5L | 7.89" x 1.50" x 1.19" | LiFePO4 | 3000 | 6 Cells | 24Hrs | 16 | 14 |
| FHSBATL6-1.5S | 16.7" x 1.11" x 0.96" | LiFePO4 | 3000 | 6 Cells | 24Hrs | 16 | 14 |
| FHSBATT8-C3 | 4.15" x 3.29" x 2.11" | NiCd | 3000 | 8 Cells | 24Hrs | 16 | 16 |
| FHSBATT8-C3L | 7.89" x 2.06" x 1.04" | NiCd | 3000 | 8 Cells | 24Hrs | 16 | 16 |
| FHSBATL3-3 | 4.39" x 2.76" x 1.22" | LiFePO4 | 3000 | 3 Cells | 24Hrs | 16 | 16 |
| FHSBATT8-D4 | 4.95" x 3.84" x 2.66" | NiCd | 4000 | 8 Cells | 24Hrs | 20 | 20 |
| FHSBATL6-3 | 7.52" x 2.76" x 1.22" | LiFePO4 | 6000 | 6 Cells | 32Hrs | 20** | 20** |
| FHSBATL6-3L | 8.00" x 2.09" x 1.18" | LiFePO4 | 6000 | 6 Cells | 32Hrs | 20** | 20** |

† Cold Pack Battery: -20°C minimum operating temperature

* Rated 10W for Canada

** Rated 16W for Canada

HotSpot2 Accessories

| Wiring harnesses: Used to set the output current to the LED module during emergency operation. Using lower current will allow longer run times. | Model Number | mA | Model Number | mA | Model Number | mA |
|--|--|-----|-----------------|-----|-----------------|-----|
| | FHS-HARNESS-100 | 100 | FHS-HARNESS-250 | 250 | FHS-HARNESS-550 | 550 |
| | FHS-HARNESS-125 | 125 | FHS-HARNESS-300 | 300 | FHS-HARNESS-600 | 600 |
| | FHS-HARNESS-150 | 150 | FHS-HARNESS-350 | 350 | FHS-HARNESS-650 | 650 |
| | FHS-HARNESS-175 | 175 | FHS-HARNESS-400 | 400 | FHS-HARNESS-700 | 700 |
| | FHS-HARNESS-200 | 200 | FHS-HARNESS-450 | 450 | | |
| | FHS-HARNESS-225 | 225 | FHS-HARNESS-500 | 500 | | |
| FHS-TSTWL-BC | IP67, bicolor LED Indicator / test switch for use in exposed, outdoor-rated luminaires | | | | | |
| FHS-EXT12M | 12" battery extension cable | | | | | |
| FHS-EXT12L | 12" battery extension cable (for battery FHSBATT8-AA.9 only) | | | | | |
| FHS-EXT12H | 12" battery extension cable (for battery FHSBATT8-D4 only) | | | | | |
| FHS-EXT-48-TST | 48" test switch extension cable | | | | | |

Also available: battery mounting brackets, wallplates, and side enclosures. For more information, visit www.fulham.com

Ordering a complete HotSpot2 Emergency System:

- Select a DRIVER (FHS2-UNV-36L or FHS2-UNV-56S) based on dimensions and output voltage
- Select a BATTERY based on dimensions, total capacity, and max load
- Select a WIRING HARNESS based on required current and run time



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