

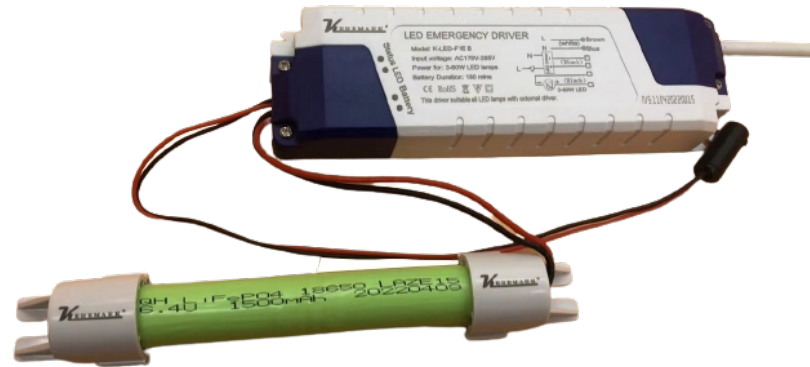
# LiFePO4

SKU: K-LED-F1E B

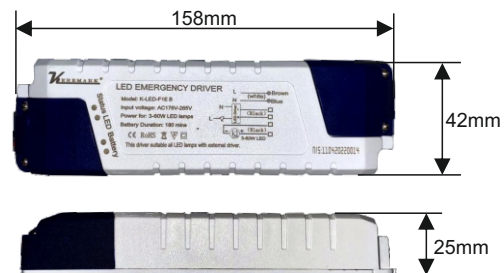
## 1. Product Features

IP30 CB CE

- 5-60W LED emergency lighting inverter with self test
- For LED lights with external driver
- Input Voltage: AC85-265V, 50-60 Hz
- Output Voltage: DC12-210V
- Emergency output power: 3W
- Battery: 6.4V 1500mAh LiFePO4
- Emergency time: 3 Hours
- Charging time: 24 Hours
- IC control design in charging/discharging and power supply, short-circuit/no-loading protection



### Dimensions:



Dimensioni del LED di stato/pulsante di autotest



- Degree of protection: IP30
- Fire resistance PC casing
- Ambient temperature: 5 to 50 °C
- Installation: LED luminaires for safety lighting, for rescue routes and extremely hazardous workplaces
- Status LED:

Green - Mains power; Red - Charging;

Green and Red - battery fault (fast flash) / light source fault (slow flash) / battery not charged (self test, fast flash)

- Self-check function:

Monthly inspection: the system simulates a power outage every 30 days for 35 seconds. It will quit and return to the mains power state automatically if there is no fault.

Annual inspection: the system simulates a power outage every 365 days and for 3 hours or until the battery power is dissipated. It will quit and return to the mains power state automatically if there is no fault.

## 2. Electrical parameters (25°C / 70%RH, AC220V/50Hz, Rated load)

Model No.	K-LED-F1E B
Input Voltage	AC85-265V
Mains Frequency	50-60 Hz
Power Factor	≥0.95 (≥75% load)
Input Power	5-60W, 80W Max.
Conversion Efficiency	≥90%
Charging Power	1.5W
Charging Current	0.15mA
Battery Voltage	6.4V
Battery Type	LiFePO4
Battery installation	External
Conversion Time	≤ 0.5s
Charging Time	≤ 24 hrs
Emergency Time	180 mins
Output Voltage	DC20-120V ± 5% / 80-210V± 5%
Output Current	10-20mA
Output Power	5-60W
Emergency Output	2.5-3W
Overcharge Protection	≥4.0V ± 0.1V, enter the balanced charging mode, 7.4V ± 0.1V, cut off charging
Over Discharge Protection	5.44V± 0.1V
Short Circuit Protection	Current limited output, automatic recovery after short circuit removed
Open Circuit Protection	Constant voltage output, the system will be shut down after 3 seconds at emergency mode
Ambient Temperature	5 - 50°C
Shell Temperature	≤50 °C
Storage Temperature	5 - 50°C
Degree of Protection	IP30
Pressure Resistance	I/P - O/P: 3750VAC , I/P - FG: 1870 VAC , O/P - FG: 500 VAC
Leakage Current	≤ 0.1mA
Insulation Resistance	≥100MΩ (DC 500V) I/P-O/P, I/P - FG, O/P - FG

### 3. Wiring Diagram

