

Energy Management Company - Superled

Model: FAT-LED-E50W DATASHEET

1. Product Features

- Suitable for 5W-50W LED lamps.
- Applicable to all kinds of LED lamps.
- Voltage protection: wide voltage input AC 85V-265V.
- Short circuit protection and no loading protection.
- Battery: lithium ion battery with overcharge and over discharge protection.
- The patented control circuit is used in emergency driver, which makes it faster in conversion and a high efficiency of inversion.



2. Battery

- High temperature resistant batteries
- Built-in a 14.8V 5200mAh 18650 Li-ion battery (capacity can be customized)

3. Ordering Information

Product Item	FAT-LED-E50W
Light Source Type	LED lamps
Output Voltage	DC 230V
Lamp Power	5W-50W
Emergency Time	180-60 minutes
N.W. / G.W.	13.5 KGS/CTN; 15KGS/CTN
Package	1 PCS/BOX ; 20 BOXES/ CTN
Carton Meas	45.5x25.5x17 cm

4. Electrical Parameters

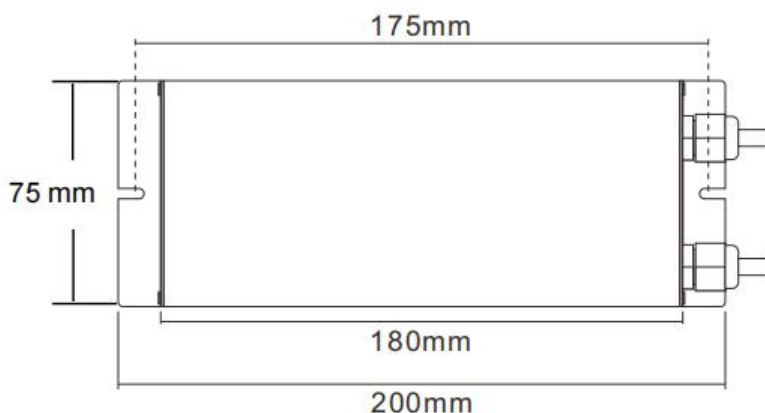
Product Item	FAT-LED-E50W
Shell Material	Aluminum alloy
Input Voltage	AC 85-265V
Emergency Output Voltage/Current	DC 230V
Rated Frequency	50/60 Hz
Power Factor	0.5
Conversion Efficiency	≥90%
Input Power (Lamp Power)	5W-50W
Charging Current	260mA
Emergency Power	5-50W
Emergency Time	60-180 minutes
Battery Voltage/Capacity	14.8V 5200mAh (Capacity can be customized)
Battery Type	Li-ion
Conversion Time	≤ 0.05S
Emergency Discharging Current	3.3A
Charging Time	≤ 24h
Overcharge Voltage Protection	16.5V
Over Discharge Voltage Protection	11.8V
Class	Class I
Ambient Temperature	-25 ~ 50°C
IP Rate	IP30
Overheating Protection Temperature	150°C



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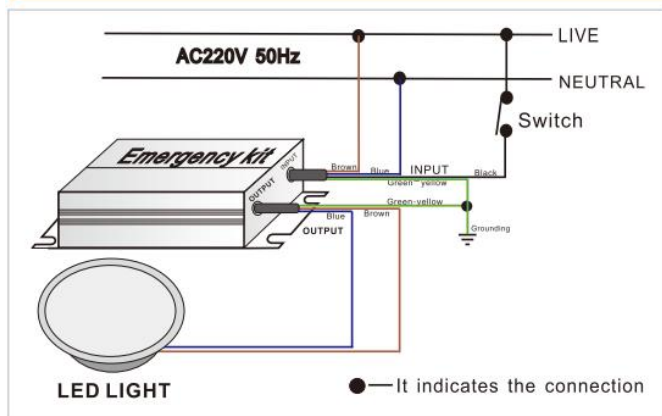
LED EMERGENCY DRIVER

5. Appearance Size (Unit: mm)

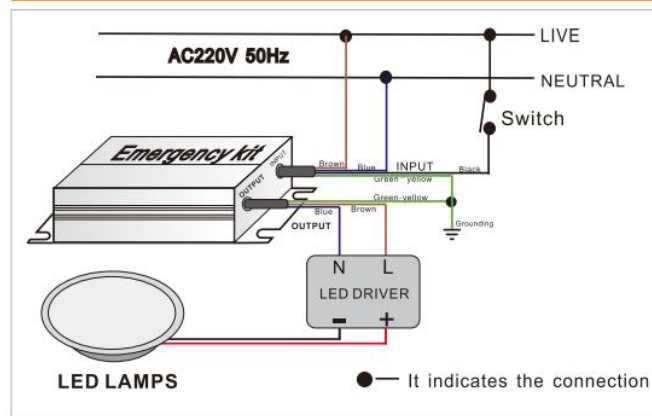


6. Installation Wiring

A. WIRING DIAGRAMS (Drive internal)



B. WIRING DIAGRAMS (Drive external)



7. Technical Term:

- AC Power Status---working status of LED lamp and emergency driver when AC power is OK.
- Emergency Status---working status of LED lamp and emergency driver when AC power fails.

Meaning of the indicator color and test button:

Red-main power status

Off-emergency status

Test Button (While pressing): Simulate emergency lighting mode

8. Main Features:

Working Voltage	AC 85-265V	Battery	14.8V 5200mAh
Charge Time	≤ 24 hours	Emergency Time	60-180 minutes
Input Power (Lamp Power)	5W-50W	Emergency Power	5W-50W
Type of Lamp	LED lamps	Working Temperature	-5°C-45°C
IP Rate	IP30	Dimension	200x75x42 mm

9. Customization

Laser Design	Available. LOGO or product cod
Package	Available. Send us your design document
Battery Capacity	Available. Base on your request emergency duration

NOTICE:

When using electrical equipment, basic safety precautions should always be followed including the following:

- Before commencing installation or servicing, turn off and isolate the circuit to be worked on by removing the fuse or switching the circuit breaker off at the distribution board.
- This product is suitable for connection to a 85-265Vac 50/60Hz supply.
- The emergency fitting is not suitable for use on a battery supply, trickle or intermittent re-charging circuit.
- The emergency fitting is not protected against supply voltage polarity reversal.
- The recharging device will recharge the battery normally after removal of a battery short-circuit.
- When cutting holes, drilling or screwing take care not to damage existing wiring or pipework.

STOARGE

If the emergency driver is not used for over 3 months, it must be connected to AC power for full charging and discharging (until LED lamp is completely off). Then keeping the emergency driver on main power for 24 hours and put it in dry ventilated place.



The Waste Electrical & Electronic Equipment regulations (WEEE) requires that products bearing this symbol must not be disposed of with household waste as they may contain substances harmful to the environment. The local authority can provide advice on recycling.