

LED EMERGENCY DRIVER



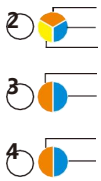
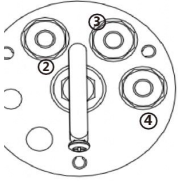
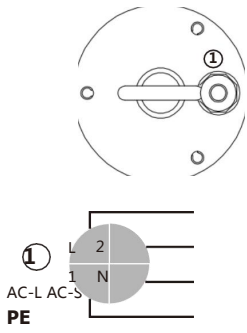
Descriptions:

- self-detect
- constant power emergency output
- apply to constant current driver external lighting products
- separate: external battery, with LiFePO4 using together
- battery: over-charge/discharge protection and short circuit protection
- working environment: temp.: 0 to 60°C IP65 standard
- not suitable for high risk lighting environment
- Accessories: integrated waterproof button and indicator light, remote control
- 3yrs warranty

Specification:

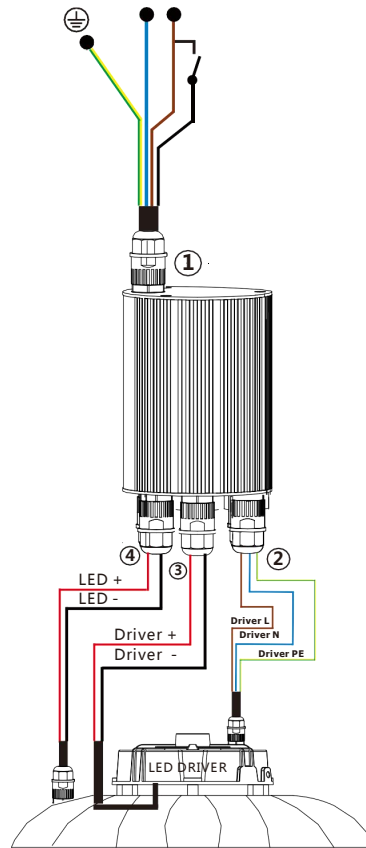
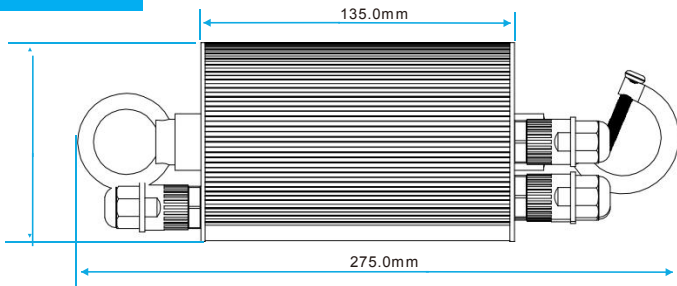
Input voltage:	100-277VAC 50/60Hz
Input current:	100mA max.
Charging power:	5.0W max.
Power factor:	> 0.5
Charging current:	0-350mA .
Charging time:	≥24Hours
Charging mode:	Trickle charging
Emergency output Voltage:	DC100-260V,DC300V Max.
Emergency output Current:	58-150mA/ 75-200mA/115-300mA
Emergency power:	15W-3H/20W-2H/30W-1.5H
Battery capacity:	LiFePO4/32700/6000mAh -9.6V
Case temperature:	tc 60°C Max.

wiring diagram:



Driver-L Driver-N Driver-PE
 Driver+ Driver--
 LED+ LED-

measurement:



Indicator light/test button/remote control status:

Ip65 green light button integrated

Green indicator light - the battery is charging and the light is on. After the battery is charged to 85%, the green light is off.

Continue to trickle charge until the battery is fully charged.

Green indicator light - the battery is not in place or the battery is faulty: the indicator light flashes quickly; Green

- indicator light - in emergency state:

the indicator light flashes slowly;

- Test button - when there is mains power,

press and hold the test button to switch emergency; Release the test button to switch the mains power;

Test button - in the emergency state, press the test button once, emergency will be turned off.

Remote control test button-A- When there is mains power, press and hold the test button to switch emergency;

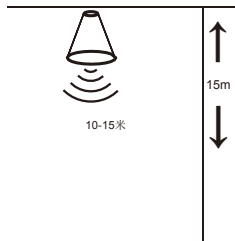
- Release the test button to switch the mains power;

Remote control test button-B- In the emergency state, press the test button once,

emergency will be turned off

Important reminder:

- **The IP65 test button and the remote control button cannot be operated at the same time !!**



Self-test instructions:

When the emergency power supply is connected to electricity grid under stable condition, MCU detects that there is power on, and the timer starts counting. Self detection is

- performed every 90 days. The self detection method is: when the MCU detects that there is mains power for 90 days, the system will automatically cut off the mains power, light will be operating by battery, the duration is the emergency time required by the customer.

After the battery is used to supply lamps, the system will automatically switch back to electricity grid supply for lamps and then charge the emergency power supply.

- When the emergency power supply is connected to electricity grid under stable condition, MCU detects that there is power on, and the timer starts to count. If there is mains power cut off in the middle, the timer will not retain the original time, and the timer will start to time from the next detection that there is mains power, and the timer will perform self detection once every 90 days. and so on

Installation and Notifications:

- Install by licenced electrician, must be under power o electricity stage, Live line. Working is prohibited, according to avoid accidental clause.
- Light's driver: "L" and Emergency driver "L" must be same phase.
- Emergency driver working temp. is -10 to 55°C, avoid to working over or under this range for battery lifespan consideration
- Emergency driver testing must be longer than 1min, don't press the testing button frequently. Emergency driver has self-detect function, will be discharge and charge per 3 month since electricity supply connected, according to enlonger the lifespan of battery, must have maintenance by experienced electrician regularly.