

LED Emergency Power Supply

LED Emergency Power Supply/Battery packs

1. **Emergency Lighting Battery Packs: Li-ion 3.6V 2600mAh**
2. **Build up by Li-ion 18650-2600mAh batteries, supply power to light.**
3. **Battery Pack size/single-row (Diameter*Height) = 18*65mm**
4. **Outgoing line length = 50mm**
5. **Average weight = 60g/set**
6. **The weight of the Li-ion battery has high energy ,small volume, high voltage; Single section li-ion battery voltage is 3.6V, equivalent to three NI-CD or NI-MH rechargeable batteries in series voltage, so the volume is small.**
7. **Li-ion battery is green environmental protection product, do not contain Lead, Mercury, Cadmium and other heavy metal elements, on the environment pollution-free, is now the most advanced green battery, has wide use in recent years also gradually used for fire emergency power supply.**
8. **Li-ion batteries due to rare earth materials as anode main raw material, so the cost is higher**
9. **Li-ion battery performance and life expectancy depends on the usage of Li-ion battery in charging or discharging process, must be set as the overcharge protection, over discharge protection and over-current protection; In case of overcharge, discharge or when working current is too large, will shorten the service life of the battery caused damage to the battery or even dangerous accident may occur. Therefore, must increase protective components and protection circuit of protection IC, is installed in the battery or the battery pack, make the perfect protection.**
10. **Pay attention when in use process as far as possible put after the electricity to recharge the battery, battery performance will be better**
11. **Battery working environmental temperature: 10--50°C**
12. **Consider the using scenario mostly is Emergency security reserve, strongly recommend to check up batter every year and mandatory replace the battery every 2 years.**
13. **1 year guarantee for battery materials. Battery performance achieve IEC61951-2003, more than 500 charging circles.**
14. **Notes, please safe use battery, forbid break up, short circuit, fire or water, etc. Avoid the risk.**

DF268C multifunction LED Emergency Power Supply

Match with DC3.6V Li-ion rechargeable battery packs

1. **Apply to 5W-20W LED down light , LED spotlight, etc. emergency lighting; LED light source with the external drive power supply.**
2. **International circuit, Test button, Tri-color indicators. Green light-main power , Red light-charging , Yellow light-mulfunction or full charged when use the li-ion battery;**
3. **When main power AC is working, inverter makes the battery packs keep charging, stand-by condition. When this product meets earthquake, assault, explosion or any other accidents which lose the main power supply, inverter immediately change to emergency power DC supply and emergency lighting. Green, red and yellow light indicators stand for main power, charging and**

fault respectively. When battery is fully charged, it will stay at maintenance status to maximum expand the battery's lifetime. By using different battery, the emergency lighting time can control 1-5 hours. Apply to different situation and working under -10 to 50°C with no problem.

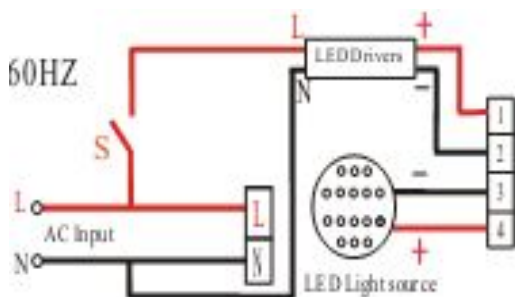
4. Strictly in operating accordance with the wiring diagram to connect the circuit, forbid tamper with cover
5. Users can periodically check the discharge of the inverter, that cut off the mains power supply, battery supply to emergency lighting to automatically terminate

6. Technique Data

Input: AC 100V-280V 50HZ/60HZ
 Output: DC 10-60V
 Output current: adjustable according to light power , below 1.0A.
 Power: below 25W
 Emergency Lighting power : About 3W
 Emergency response time: $\geq 3H$
 Battery voltage: Li-ion 3.6V 2600mAh
 Charging current: 10-100mA
 Whole weight: 200g
 Whole size: 150*40*30mm

DF268C LED Emergency Power Supply Installation instruction

1: accordance with writing diagram to connect the circuit in strict. The following lines are connected to each port:



N—— connect Zero Wire N+ LED external drive zero wire input.

L—— connect the FireWire L+LED external drive fire line input. This line can set a wall switch S. The wall switch only controls the main power, no function on emergency lighting.

(4)——Connect to light source positive terminal

(3)—— Connect to light source negative terminal

(2)—— Connect driver output positive terminal

(1)——Connect driver output negative terminal

1. Diagram wiring, all lines and accessories connected to complete before connecting to the mains test, non-live working.

- 2: Emergency power supply can not no-load, whether it is testing emergency lighting function or testing the inverter charging function, must be process under load light source
- 3: Main power line: **fire line L and zero line N, connect to main power line directly, these two lines are forbidden to connect the switch**
- 4: Not control by switch S after the light source start emergency lighting
- 5: Green indicator: main power; Red indicator: charging; yellow: fault.
- 6: no indicator works in emergency status except emergency lighting

Maintenance

Emergency movement is the core device which controls the battery charge or discharge and start the lighting when under emergency must ensure the wiring is correct. After under normal use, need to discharge once every three months for battery conservation and extend the battery life. Emergency lighting power installed and put into use, need to regularly check, maintain, examine and repair when discover the abnormal condition, or inform the supplier to deal with.

