



48V/200Ah

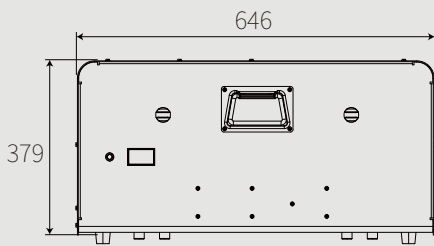
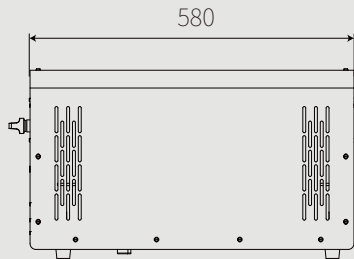
LiFePO<sub>4</sub> Battery Pack

UU 48-200 LiFePO<sub>4</sub> Battery Pack

### Application Places



For no city power areas, the battery pack can be charged by solar panels and used for night lighting; For the areas that city power is expensive, the battery pack can be charged during the electricity valley value period, and used at the peak power period; For the areas which power off from time to time, the battery pack can be used as UPS, to avoid information loss caused by sudden power outage. The battery pack is applicable to commercial lighting, industrial lighting, home lighting, outdoor lighting, camping tourism, farming, planting, the night market stalls, etc.



Product size: (mm)

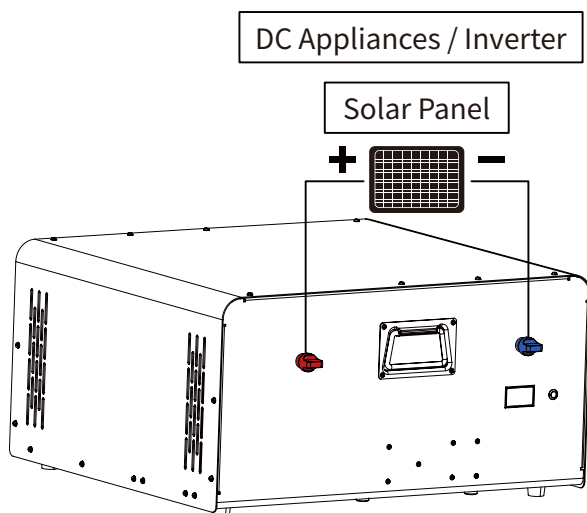
## Advantages

- All in one mould design and production, easy to install.
- With longer span life LiFePO<sub>4</sub> battery, over 12 years lifespan, ensure the whole set products' life span.
- Dustproof structure design, DC output, safe and reliable.
- Integrated packaging, safe and convenient to transport.

## Technical Parameters

Model	UU 48-200		
Rated voltage	51.2V	Standard capacity	200Ah
Continuously use input current	100A	Continuously use output current	100A
Charging voltage	57.6V—60V	Cut-off	2.5V single cell
Self-Discharge ( 25°C)	<3%/month	Depth of discharge	Up to 95%
Charge method (CC/CV)	Operation: -20°C—70°C; Recommendation: 10°C—45°C		
Cycle life	Discharge cycle 2000 times < 1C, Discharge cycle 4000 times < 0.4C		
Warranty	5 years		
Product Size	580±2×646±2×379±2mm		

## Instructions



### Attention:

1. Please follow the guide to connect the equipments, if connecting in wrong way, the equipment have the existence of risk to be burned out.
2. LiFePO<sub>4</sub> battery pack can be charged both by solar panels and city power.
3. It is prohibited to put the battery pack outside in the rainy days.
4. It is prohibited to repair or disassemble the battery pack by the non-professional persons.
5. If charging current reached input protection current, or discharging current exceeded output protection current, the battery will stop working. This is battery protection phenomenon, will be work again when was charged (input current should be lower than input protection current).
6. It is forbidden to use in series.

## The Advantages and Characteristics of LiFePO<sub>4</sub> Battery

- Volume: The capacity of LiFePO<sub>4</sub> battery is bigger than lead-acid cell with the same volume. With the same capacity, LiFePO<sub>4</sub> battery volume is only two thirds of lead-acid.
- Weight: LiFePO<sub>4</sub> is light. The weight is just 1/3 of lead-acid cell with the same capacity.
- Discharge rate: LiFePO<sub>4</sub> battery can discharge with maximum current, it is used in electric vehicles and electric bicycles.
- No memory effect: No matter the LiFePO<sub>4</sub> Battery is in which conditions, it can be charged and discharged whenever you like, no need to discharge totally then charge for it.
- Durability: The durability of LiFePO<sub>4</sub> Battery is powerful and consumption is slow. The time of charging and discharging is more than 2000times. After 2000times circulation, the capacity of the battery is still more than 80%.
- Security: LiFePO<sub>4</sub> battery passed the strict safety testing, with higher safety performance.
- Environmental protection: Lithium materials not have any poisonous and harmful substance. It is regarded as green and environmental protection battery. The battery has no any pollution no matter in the process of production or in the process of using.
- Well graded and combination. After multi-selection, to ensure each cell qualified with long life;
- The connection tech of all interface, be safe and durable, with simple maintenance.
- Multi-layer protection structure, could be waterproof, shockproof, anti explosion and fire.
- Various joints, could be customized, safe and durable for long run.
- Security and reliability, compared with lead-acid battery, the materials of LiFe PO<sub>4</sub> is the securest, the best choice of solar energy storage battery.

## Storage and Transportation

- Based on the character of cell, proper environment for transportation of LiFePO<sub>4</sub> battery pack need to be created to protect the battery.
- Battery should be kept at -20°C—45°C in warehouse where it's dry, clean and well-ventilated.
- During loading of battery, attention must be paid against dropping, turning over and serious stacking.