

BJ48-200

LITHIUM IRON PHOSPHATE BATTERY

51.2V / 200AH / 10WKH



New Design

- 1 BMS can be replaced easily
- 2 95% DOD High performance: Use 95% of battery capacity
- 3 Wall mounted with hidden cable port
- 4 Accurate display by LCD coulomb meter

Application Places

For areas without urban power, the lifepo4 battery pack can be charged by solar panels, working with inverters, to provide 220V power supply for household use; for areas where urban power is expensive, the lifepo4 battery pack can be charged by solar power or city power during the day, and Electricity is supplied during times when electricity is expensive. The lifepo4 battery pack can also be used as a UPS to avoid information loss and emergency power supply caused by sudden power failure. Lifepo4 battery packs are suitable for commercial use, industrial and domestic power supply, agricultural power needs, and more.

Advantages

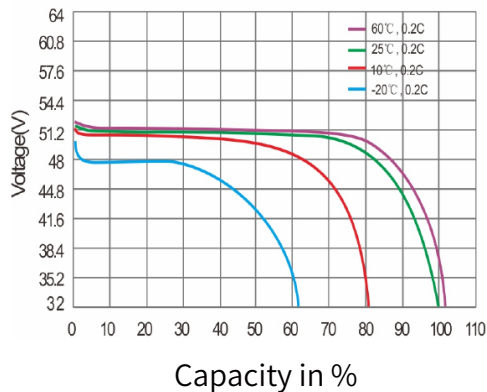
- ★ Ultra-thin wall-mounted design, the bottom can bear weight, easy to install with a small crane. All screw holes are built in, the appearance is stylish and simple, and all wiring parts can be hidden in the bottom space.
- ★ Using lithium iron phosphate BYD brand new original lifepo4 battery pack, the cycle life is up to 6000 times, and the life span is more than 12 years.

- ★ Dust-proof structure design, DC output, safe and reliable. The BMS compartment is easy to replace.
- ★ Integrated dangerous goods standard packaging, safe and convenient transportation.

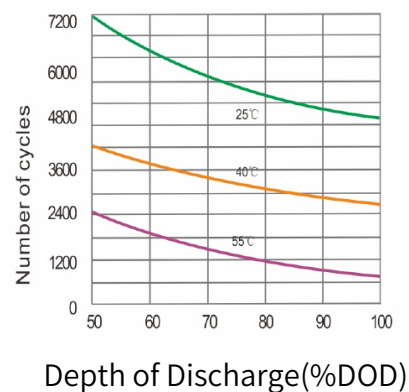
Battery Specification

Model: BJ48-200
Type of Cell: LiFePO4 (Square steel shell)
Rated voltage: 51.2V
Standard capacity: 200Ah
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
Warranty: 5years
Size : 1215*475*167mm
Weight: 136KG
Electrical Characteristics
Float charge voltage/V: 55.2
Max. continue discharge current/A: 100
Max. pulse discharge current/A: 150A 1Sec.
Max. continue chargecurrent/A: 100
Operating conditions
Cycle life (+25°C 0.2C 100%DOD): >6000 Cycles
Storage temperature: 0 to 30°C
Storage duration: 6 months at 25°C
Safety standard: UN38.3,IEC62619,CE
IP Degree: IP20

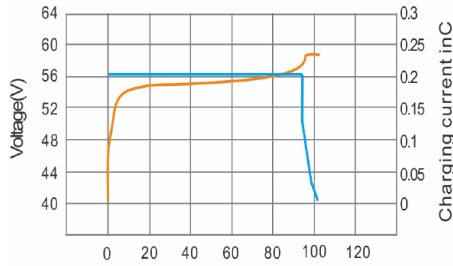
Discharge curves under different temperatures



Cycle life versus DOD and temperature at 0.2C

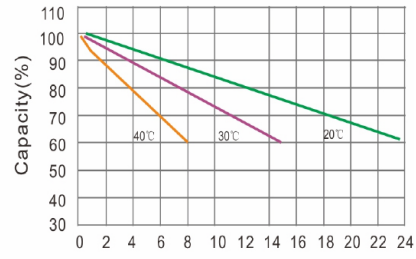


0.2C CC-CV charge characteristic



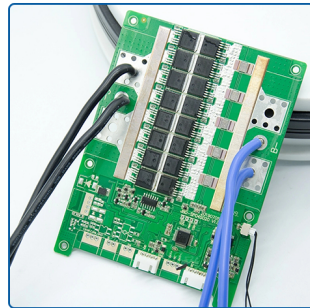
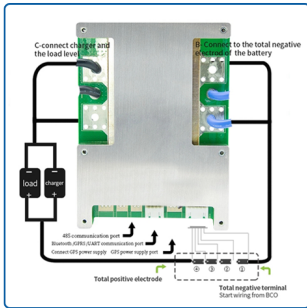
Charge capacity/Discharge capacity(%)

Self-discharge characteristic



Storage time(months)

BMS



- ★ Various protection functions for charging and discharging.
- ★ Hardware discharge over - current, short - circuit protection function processing.
- ★ Reserve discharge control switch and discharge temperature protection position.
- ★ Very low static consumption current.
- ★ Smart : communication interface RS485, CAN.

Storage and Transportation

- ★ According to the characteristics of the cells, it is necessary to create a suitable environment for the transportation of lithium iron phosphate lifepo4 battery packs to protect the batteries. The battery should be stored in a dry, clean and well-ventilated warehouse at -20°C-45°C.
- ★ The battery pack can only be square or wall mounted vertically. When installing the battery, be careful not to fall or tip over.

