

LFP12-200 (LiFePO₄ 12.8V200AH Battery)

General Information

LFP series is a LiFePO₄(lithium iron phosphate)battery pack for backup power application. The battery pack adopts the ad-vanced LiFePO battery technology with the advantages of longcycle life, small size, lightweight, safety and environmental protection, and also has a strong environmental adaptability.

Application

- Suitable for Lawn and Garden Tools
- Parking Lot
- Garage
- Warehouse Automatic Door Power Supply
- Home Use Car
- Marine Backup Power Supply
- Photovoltaic 12V, 24V, 48V Off-grid Applications
- Telecom Base Station Energy Storage
- Electric Wheelchairs
- Scooters
- Golf Cart Parking Air Conditioning Power Supply

Key Features

- **Super long cycle life**

Over 6000 cycles at 80%DOD can be circularly used.

- **Fast charge capability**

Very fast charging capability up to 200A

- **Low self discharge**

<1% per month at 25°C

- **Long Life**

10 years design life at 25°C,

- **High safety & stable performance**

No explosion and no fire under collision. No risk of leakage

- **Intelligent Integrated Battery Manage System(BMS)**

Built-in BMS automatically protects internal cells from over-charge, over-discharge, over-temperature, short-circuit, etc. Ensure battery safety and reliability. Equalize and balance each cell. Prolong battery life. SOC-DOD-SOH reporting/ setting device events, battery parameters, and storage, intelligent monitor, remote measure, remote communication, remote control.

- **LED display is available**

LED display can show voltage, temperature, etc information.

- **In compliance with standard**

UN/NOT 38.3, CE, IEC.



Specification

Weight	20.1kg
Dimensions	483*170*240mm
Nominal voltage	12.8V
Nominal capacity	200Ah
Nominal energy	2.56kWh(4S2P)
Service life	≥6000 cycles @80%DOD 25°C
Self-discharge	<1%/M
Charging	200A Max(Recommend 100A)
Discharging	200A Max(Recommend 100A)
Charging voltage	14.4V±0.2V
Charging mode	Step 1: 0.5C charge to 14.4V; Step 2: CV(constant voltage 14.4V) charge till charge current decline to 0.05C
Peak discharge current	200A
DOD discharge rate	100%
Charging operating temperature	0~45°C
Discharging operating temperature	-20~55°C
Storage temperature and humidity range	1 month:-20~45°C;3 months:-10~45°C; 6 months: 0~25°C; Humidity:45%~90% RH The battery should cycle once in three months. Recommended storage temperature is 25±5°C of SOC 50%~60%.
Degree of protection	IP65

Dimension

