



## LFP 51.2V 200Ah



### Features of LiFePO4 Battery

- Longer Cycle Life:** Offers up to 20 times longer cycle life and five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- Light Weight:** About 40% of the weight of a comparable lead-acid battery. A drop in replacement for lead acid batteries.
- Higher Power:** Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- Wider Temperature Range:** -20°C-60°C
- Superior Safety:** Lithium Iron Phosphate chemistry eliminates the risk of explosion or combustion due to high impact, overcharging or short circuit situation.
- Increased Flexibility:** Modular design enables deployment of up to four batteries in series and up to four batteries in parallel.

### Application

- Electric Vehicles, electric mobility
- Solar/wind energy storage system
- UPS, backup power
- Telecommunication
- Medical equipment
- Lighting

### Specification

Electrical Characteritics	Nominal Voltage	51.2V
	Nominal Capacity	200 Ah(C5,25°C )
	Energy	10240 Wh
	Internal Resistance	≤40mΩ
	Cycle Life	≥4000 cycles@0.5C 100% DOD
	Months Self Discharge	<3%
	Efficiency of Charge	100% @ 0.2C
	Efficiency of Discharge	96-99%@0.5C
Standard Charge	Charge Mode	58.4 ±0.2V
	Charge cut-off voltage	0.2C Charge to 58.4V, then 58.4V Charge to 0.02C cut-off
	Charge current	40A
	Max charge current	50A
	Continuous current	100A

Standard Discharge	Max Pulse current	150A(<3s)
	Discharge cut-off voltage	40 V
	Continuous discharge current	100A
Environmental	Storage Temperature	0℃ to 55℃ (32F to 113F)@60±25% Relative Humidity
	Charge Temperature	0℃ to 45℃ (32F to 113F)@60±25% Relative Humidity
	Discharge Temperature	-20℃ to 60℃ (32F to 113F)@60±25% Relative Humidity
Mechanical	Cell & Method	3.2V 200AH-16S1P
	Plastic Case	ABS
	Dimensions	650*520*240mm
	Weight	90kg
	Terminal	100A
	Protocol	RS485/RS232/CAN