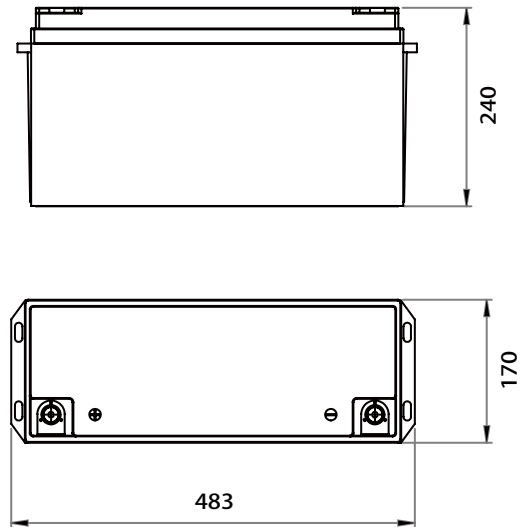


12.8V Lithium Battery

200AH(2560WH)



Features of LiFePO4 Battery

- The whole module is non-toxic, non-polluting and environmentally friendly;
- Cathode material is made from LiFePO4 with safety performance and long cycle life;
- Battery management system(BMS) has protection functions including over-dis-charge, over-charge, over-current and high/low temperature;
- Small size and light weight, comfortable for installation and maintenance.

Applications of LiFePO4 Battery

- Wheelchairs and scooters;
- Solar/wind energy storage;
- Back-up power for small UPS;
- Golf trolleys & buggies.

Specification

Electrical Characteristics	Nominal Volage	12.8V
	Nominal Capacity	200AH
	Energy	2560WH
	Internal Resistance (AC)	≤20mΩ
	Cycle Life	>4500 cycles @0.5C 80%DOD
	Months self Discharge	<3%
	Efficiency of Charge	100% @0.5C
	Efficiency of discharge	96-99% @0.5C
Standard Charge	Charge Voltage	14.6 ± 0.2V
	Charge Mode	0.5C to 14.6V, then 14.6V,charge current to 0.02C(CC/cV)
	Charge Current	100A
	Max.Charge Current	200A
	Charge Cut-off Voltage	14.6 ± 0.2V
Standard Discharge	Continuous Current	100A
	Max.Pulse Current	200A(<5S)
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0 °C to 55 °C(32F to 131F)@60 ± 25% Relative Humidity
	Discharge Temperature	-20 °C to 60 °C (-4F to 140F)@60 ± 25% Relative Humidity
	Storage Temperature	-20 °C to 45 °C (-4F to 113F)@60 ± 25% Relative Humidity
	IP Class	IP65
Mechanical	Plastic Case	ABS
	Approx. Dimensions	483x170x240mm
	Approx.Weight	23kgs
	Terminal	M8

NOTE: This 12.8V series can be used in 4 series to 51.2V, when the battery be used in 4 series, please set chargecut-off voltage to 56v, discharge cut-off voltage to 48v, max charge current to 100A, max discharge current to 100A.

Performance Characteristics

