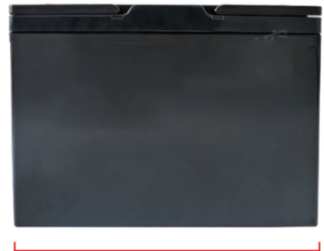


## 12.8V Lithium Battery

100AH(1280WH)



307mm



208mm

169mm

## 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 Voltage	12.8V
	Nominal Capacity	100AH
	Energy	1280WH
	Internal Resistance(AC)	<20mQ
	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	50A
	MaxCharge current	100A
	Charge Cut-off Voltage	14.6±0.2V
standard Discharge	Continuous current	50A
	MaxPulse current	120A(<3S)
	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(32F to 131F) @60±25% Relative Humidity
	Storage Temperature	-20°C to 60°C(32F to 131F)@60±25% Relative Humidity
	IClass	IP65
Mechanical	Plastic Case	ABS
	Approx.Dimensions	307*169*208MM
	Approx Weight	12kgs
	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 to100A

## Performance Characteristics

