

# Lithium Iron Phosphate (Lifepo4) Battery

25.6V 1 00AH [2.56 KWH]

483\*170\*240mm



## 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-discharge, over-charge, over-current and high/low temperature;
- » Small size and light weight, comfortable for installation and maintenance

## Application

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

## Specification

Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	100AH
	Energy	2560WH
	Internal Resistance (AC)	≤20mΩ
	Cycle Life	>3600 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	29.2 ± 0.2V
	Charge Mode	0.5C to 29.2V, then 29.2V, charge current to 0.02C(CC/cV)
	Charge Current	100A
	Max.Charge Current	100A
	Charge Cut-off Voltage	29.2 ± 0.2 V
Standard Discharge	Continuous Current	100A
	Max.Pulse Current	150A(<3S)
	Discharge Cut-off Voltage	20V
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	23 kgs
	Terminal	M8

## Performance characteristics

