

# Lithium Iron Phoaphate(Lifepo4)Battery

OLT- 12.8V 100AH[1280WH]



## 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 installtion and maintenance;

## Application

- > 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)	≤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	100A
	Charge Cut-off Voltage	14.6±0.2V
Standard Discharge	Continuous Current	100A
	Max. Pulse Current	120A(<3S)
	Discharge Cut-off Voltage	10V
Environmental	Charge Temperature	0℃ to 55℃(32F to 131F) @60±25% Relative Humidity
	Discharge Temperature	-20℃ to 60℃(32F to 131F) @60±25% Relative Humidity
	Storage Temperature	-20℃ to 60℃(32F to 131F) @60±25% Relative Humidity
	IP Class	IP65
Mechanical	Plastic Case	Metal Plate
	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 charge cut-off voltage to 56V, discharge cut-off voltage to 48V, max charge current to 100A, max discharge current to 100A.

