

Lithium Iron Phosphate (LiFePO4) Battery

TN-LFP12.8V320Ah

Features

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, under normal conditions.
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature.
- ◆ Free of maintenance .
- ◆ Internal cell balancing.
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid battery.
- ◆ Can be charged using most standard lead-acid charges (set).
- ◆ Wider temperature range:-20°C~60°C.
- ◆ Support for Series application expansion (up to 51.2V) and two in parallel.



Application

- ◆ UPS
- ◆ Solar & Wind Power System
- ◆ Golf Cart
- ◆ Electric Vehicle , E-bike, E-rickshaw etc.
- ◆ Lighting

General Specifications

Electrical Characteristics	Nominal Voltage	12.8V
	Nominal Capacity	320Ah@0.2C,
	Min. Capacity	315Ah@0.2C
	Energy	4096Wh
	Internal Resistance	20≤mΩ
	Cycle Life	2500 Cycles @ 0.2C Charging/Discharging ,Until 70% Capacity
	Self Discharge	≤3.5% per month at 25°C
Standard Charging	Max.Charging Voltage	14.0~14.6V
	Charging Mode	At 0°C~45°C temperature, charged to 14.6V at a constant current of 0.2C, and then,changed continuously with constant voltage of 14.6V until the current was not more than 0.02C
	Charging Current	64A
	Max.Charging Current	100A
Standard Discharging	Discharging Current	64A
	Max. Continuous Current	100A
	Max.Pulse Current	200A(<3S)
	Discharging Cut-off Voltage	10.0
Operating Condition	Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 60°C(-4°F to 140°F) @60±25% Relative Humidity
	Storage Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Structure	Cell & Format	3.2V105Ah,4S3P
	Casing	Plastic
	Dimension(L*W*H*TH)	520*238*220mm
	Weight	Approx. 29.5Kg
	Terminal	M8