



Features of LiFePO4 Battery

Longer cycle life: Up to 2000 times longer cycle life and five times longer float/calendar life than lead acid battery, minimize replacement cost and reduce total cost.

Lighter Weight: About 40% of the weight of a comparable lead acid battery.

Higher Power: Delivers twice power of lead acid battery, even high discharge rate, while maintaining high energy capacity

Wider Temperature Range: -20°C~60°C

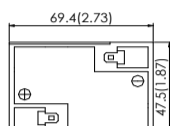
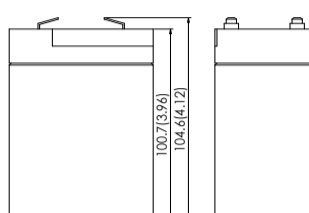
Super Safety: Lithium Iron Phosphate Chemistry eliminates the risk of explosion or combustion due to high impact, over charging or short circuit situation.

Increased Flexibility: Modular design enables deployment of up to four batteries in series and up to four batteries in parallel.

Application:

- * Electric vehicles, electric mobility
- * Solar/wind energy storage system
- * UPS, backup Power
- * Telecommunication
- * Medical equipment
- * Lighting

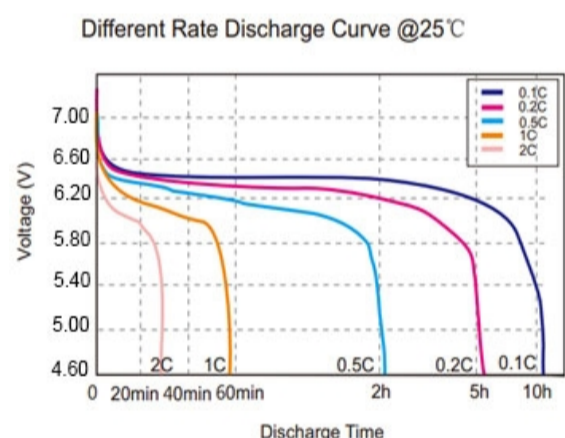
Physical Dimension



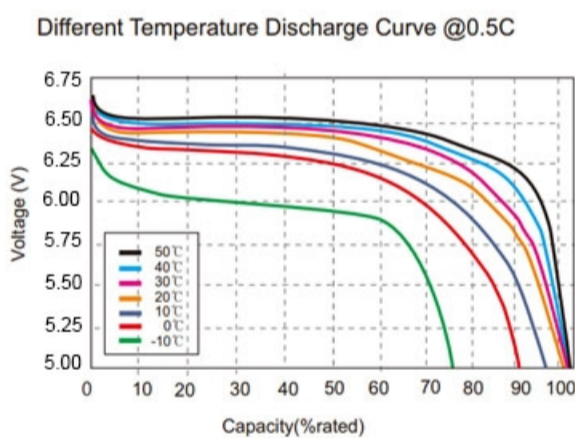
Specification:

Electrical Characteristics	Nominal Voltage	6.4V
	Nominal Capacity	4.5AH
	Energy	28.8Wh
	Internal Resistance	<27mΩ
	Cycle life	>2000 cycles at 0.2C 100% DOD at 25°C
	Months Self Discharge	<3%
	Efficiency of Charge	100% at 0.5C
	Efficiency of discharge	96~99% at 1C
Charge	Charge volt	7.3+/-0.2V
	Charge Mode	CC at 0.2C to 7.3V, then at CV7.3V to charge current less than 0.02C
	Standard charge current	0.9A
	quick Charge Current	2.25A
	Max. Charge current	4.5A
	Charge cut off voltage	7.8V+/-0.2V
Discharge	Standard Continuous Current	4.5A
	Max. Continuous Current	4.5A
	Max. Pulse Current	9A (<3s)
	Discharge Cut-off Voltage	4V
Environment	Charge Temperature	0°C to 45°C (32F to 113F) at 60±25% Relative Humidity
	Discharge Temperature	- 20°C to 60°C (-4F to 140F) at 60±25% Relative Humidity
	Storage Temperature	0°C to 40°C (32F to 104F) 60±25% Relative Humidity
	Water Dust Resistance	IP56
Mechanical	Cell material	LiFePO4
	Plastic Case	ABS
	Dimensions (in./mm)	70*48*101mm total 107 (2.73**1.87**3.96" total 4.12")
	Weight (lbs./kg.)	310 grams (0.68 lbs)
	Terminal	F1

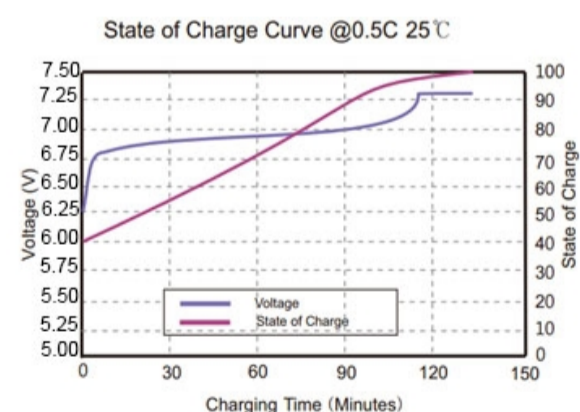
Discharge Curve at different rate at 25°C



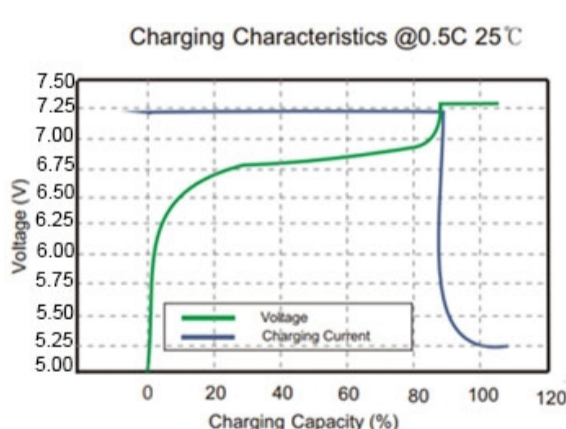
Discharge Curve at different temperature at 0.5C rate



Discharge Curve at different rate at 25°C



Discharge Curve at different rate at 25°C



Cycle Life Curve in Different DOD Discharge at 1C

Different Temperature Self Discharge Curve

