



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

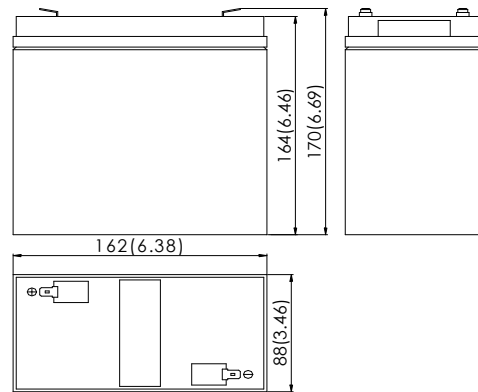
Super Safety: Lithium Iron Phosphate Chemistry eliminates the risk of explosion or combustion due to high impact, over charging or short circuit situation.

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

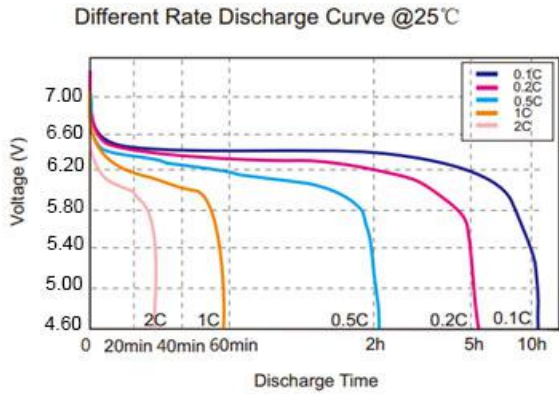
Physical Dimension



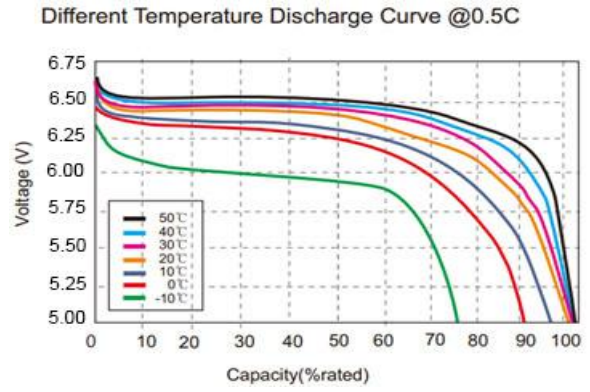
Specification:

Electrical Characteristics	Nominal Voltage	6.4V
	Nominal Capacity	36 AH
	Energy	230.4Wh
	Internal Resistance	<< 10mΩ
	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	7.2 A
	quick Charge Current	18.00 A
	Max. Charge current	36A
Discharge	Charge cut off voltage	7.8V+/-0.2V
	Standard Continuous Current	36A
	Max. Continuous Current	36A
	Max. Pulse Current	48A (<3s)
Environment	Discharge Cut-off Voltage	4V
	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
Mechanical	Water Dust Resistance	IP56
	Cell material	LiFePO4
	Plastic Case	ABS
	Dimensions (in./mm)	162*88*164mm total 170 (6.38**3.46**6.46" total 6.69")
	Weight (lbs./kg.)	2.2KGS (4.85lbs)
	Terminal	F1

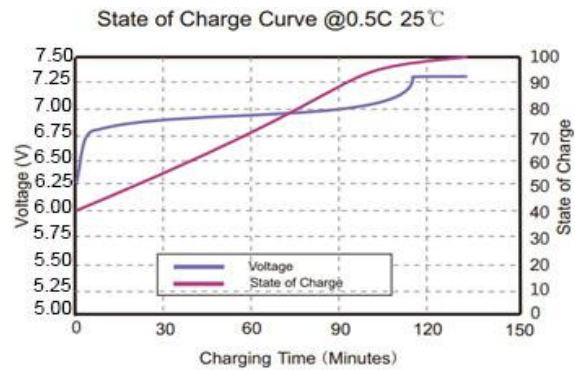
Discharge Curve at different rate at 25°C



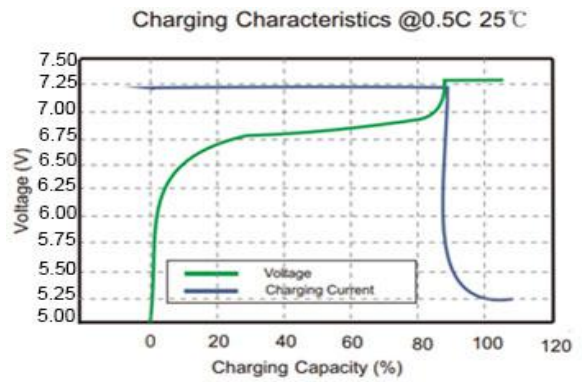
Discharge Curve at different temperature at 0.5C rate



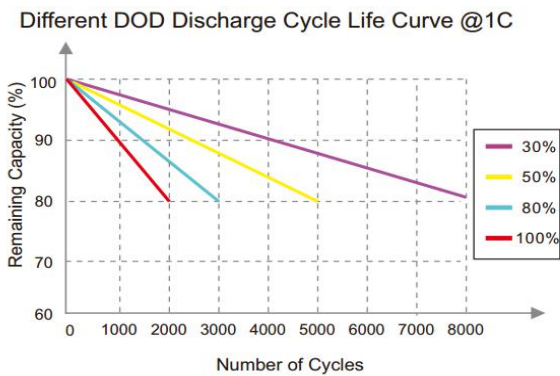
Discharge Curve at different rate at 25°C



Discharge Curve at different rate at 25°C



Cycle Life Curve in Different DOD Discharge at 1C



Different Temperature Self Discharge Curve

