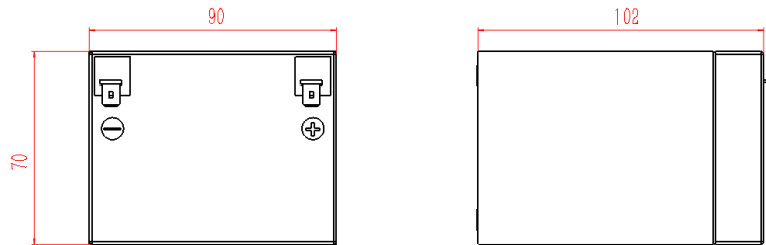


LiFePO4 Battery 12V 4.6Ah



- **Long Cycle Life:** Offers up to 20 times longer cycle life and up to five times longer float/calendar life than lead acid battery, helping to minimize replacement cost and reduce total cost of ownership.
- **Light Weight:** About 40% of the weight of a comparable lead acid battery. A 'drop in' replacement for lead acid batteries.
- **High Power:** Delivers twice the power of lead acid battery, even high discharge rate, while maintaining high energy capacity.
- **Wide Temperature Range:** -20°C ~ +60°C
- **Superior Safety:** Within the Lithium Ion battery family Lithium Iron Phosphate also known as LiFePO4 chemistry is the safest and greatly reduces the risk of explosion or combustion due to high impact, over charging or short circuit situation.
- **Increased Flexibility:** Modular design enables deployment of series and parallel connected batteries.

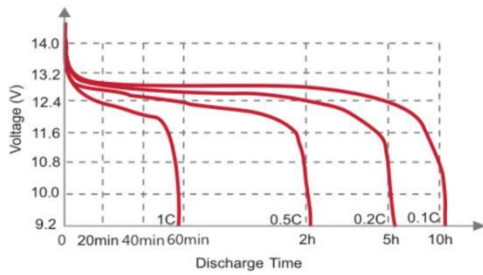
Dimensions



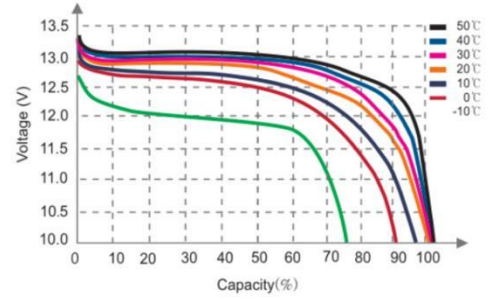
Specification

Electrical Characteristics	Nominal Voltage	12.8V	
	Rated Capacity	4.6Ah	
	Energy	58.8Wh	
	Max Series Pcs.	2S	
	Max Parallel Pcs.	4P	
	Circuit Protection	Over charge, Over discharge, Over current, Over temp, Short, Balance	
	Internal Resistance (AC)	≤80mΩ	
Charge	Charge Voltage Cyclic Usage	14.4±0.2V	
	Charge Voltage Float Usage	13.6V~14.2V	
	Charge Current	≤2.3A	
Discharge	Max. Continuous discharge Current	10A	
	Standard discharge Current	0.92A(0.2C)	
	Peak Discharge current	50A(10ms)	
	Equipment Low Voltage Cut-Off	≤10.0V	
Environmental	Charge Temperature	0°C-60°C	@60±25% Relative Humidity
	Discharge Temperature	-20°C-60°C	
	Storage Temperature	-20°C-45°C	
Dimensions	90±2mm *70±2mm*102±2mm		
Case	Plastic case		
Terminal	T1 / FASTON 187 / 4.8mm		
Approx. Weight	About 0.7g±0.1kg		

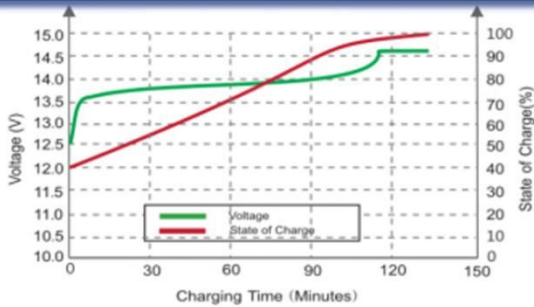
Different Rate Discharge Curve (25°C)



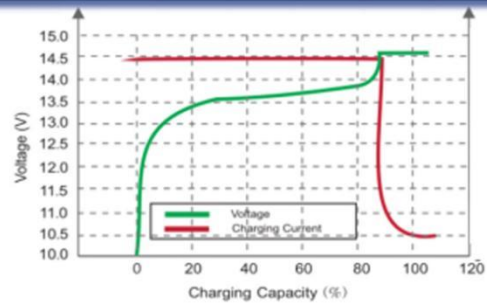
Different Temperature Discharge Curve (0.5C)



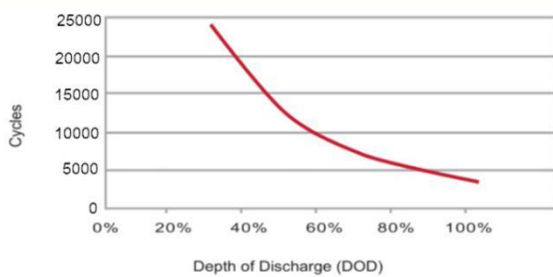
State of Charge Curve (0.5C, 25°C)



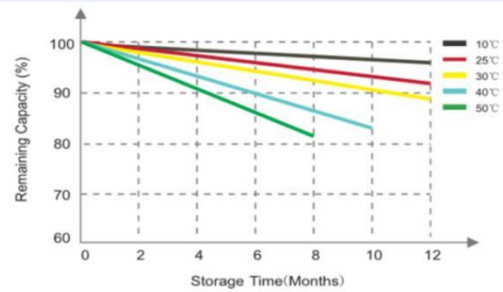
Charging Characteristics (0.5C, 25°C)



Different DOD Discharge Cycle Life Curve



Different Temperature Self Discharge Curve



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