

Lithium Iron Phosphate (LiFePO4) Battery

LiFePo4-24V 120Ah

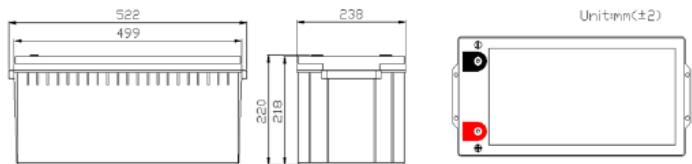
Features

- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature
- ◆ Maintenance free
- ◆ 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



Application

- ◆ UPS
- ◆ Solar & Wind power system
- ◆ Golf Cart
- ◆ Electric vehicle , E-bike, E-rickshaw e.g.
- ◆ Lighting

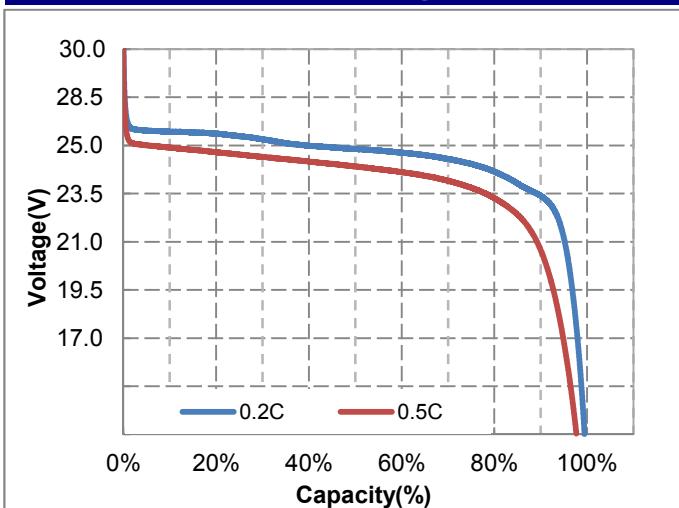


General Specifications

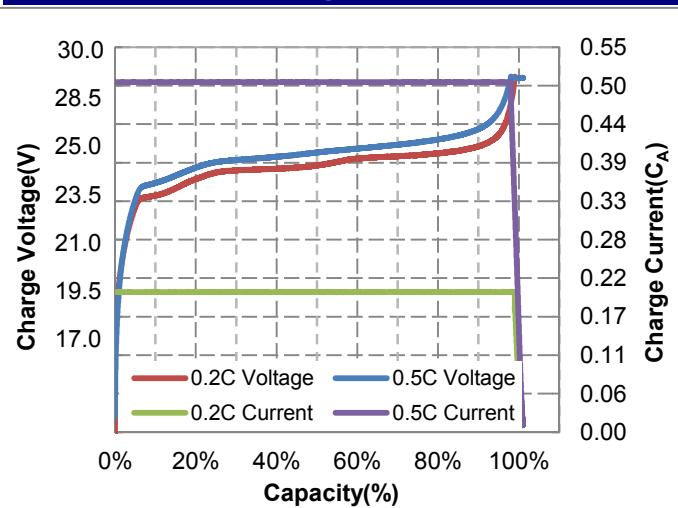
Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	120Ah@0.2C
	Energy	3072Wh
	Internal Resistance	45≤mΩ
	Cycle Life	>3000 Cycles @ 0.2C Charge/Discharge at 100%DOD,End of Life 80% Capacity.
	Months Self Discharge	≤3.5% per month at 25°C
Standard Charge	Charge Voltage	29.2±0.2V
	Charge Mode (CC/CV)	At 0°C~45°C temperature, charged to 29.2V at a constant current of 0.2C5A, and then, changed continuously with constant voltage of 29.2V until the current was not more than 0.02C5A.
	Charger Current	20A
	Max.Charge Current	60A
Standard Discharge	Discharge Current	30A
	Max. Continuous Current	120A
	Max.Pulse Current	200A(<3S)
	Discharge Cut-off Voltage	20.0V
Environmental	Charge Temperature	0°C to 45°C(32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20°C to 70°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
Mechanical	Cell & Method	IFR120Ah, 8S1P
	Plastic Case	ABS
	Dimension(L*W*H*TH)	522*238*220mm
	Weight	Approx.24Kg
	Terminal	M8

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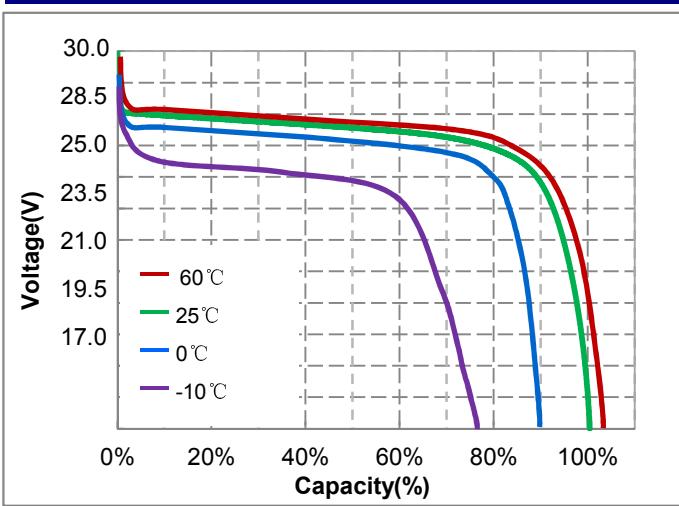
Different Rate Discharge Curve @ 25°C



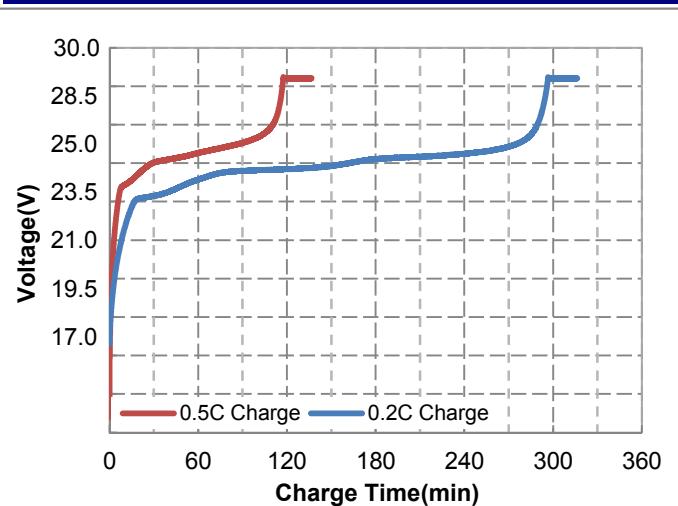
Charge Characteristics @0.2C&0.5C, 25°C



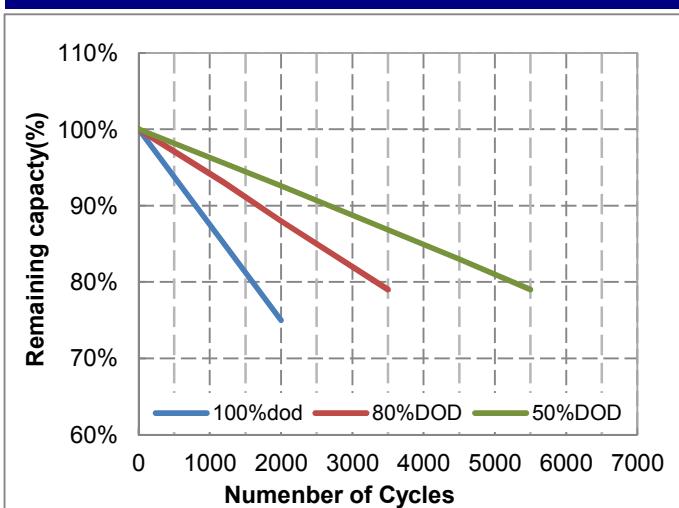
Different Temperature Discharge Curve @0.5C, 25°C



Charge Characteristics @0.2C&0.5C, 25°C



Different DOD Discharge Cycle Life Curve @0.5C, 25°



Open circuit voltage VS SOC%

