

### Lithium Iron Phosphate (LiFePO4) Battery

#### YB-LFP6.4V 6AH

##### Features

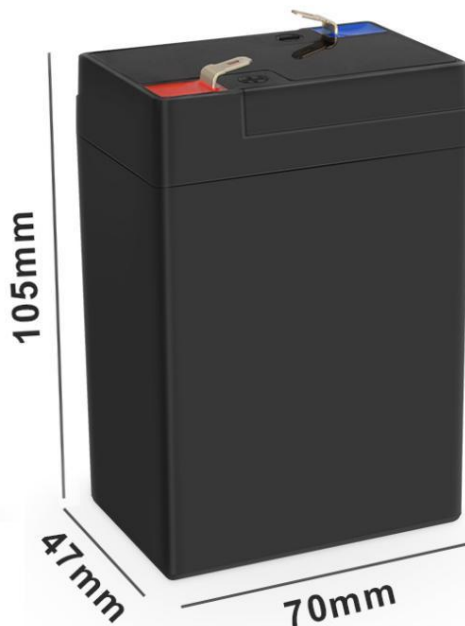
- ◆ Using the technology of lithium iron phosphate cell, superior safety, thousands of cycles, 100%DOD, under normal conditions
- ◆ Built-in automatic protection for over-charge, over discharge, over current and over temperature
- ◆ Maintenance free
- ◆ Internal cell balancing
- ◆ Lighter weight: About 40% ~50% of the weight of a comparable lead acid batte
- ◆ Can be charged using most standard lead-acid charges (set)
- ◆ Wider temperature range:-20℃~60℃

##### Application

- ◆ UPS
- ◆ Electronic Balance/Scale
- ◆ Children's Toy Car
- ◆ Electric vehicle , E-bike, E-rickshaw e.g.
- ◆ Lighting

##### General Specification

Electrical Characteristics	Nominal Voltage	6.4V
	Nominal Capacity	6Ah@0.2C
	Energy	38.4Wh
	Internal Resistance	≤80mΩ
	Cycle Life	>2000 Cycles @ 0.2C Charge/Discharge at 100%DOD,End of Life 70% Capacity.
	Months Self Discharge	≤3.5% per month at 25
Standard Charge	Charge Voltage	7.3±0.2V
	Charge Mode CC/CV	At 0℃~45℃ temperature, charged to 7.3V at a constant current of 0.2C, and then,changed continuously with constant voltage of 7.3V until the current was not more than 0.02C.
	Charger Current	1.2A
	Max.Charge Current	3A
Standard Discharge	Discharge Current	1.2A
	Max. Continuous Current	10A
	Max.Pulse Current	20A(<3S)
	Disxcharge Cut-off Voltage	5.0V
Environmental	Charge Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity
	Disxcharge Temperature	-20℃ to 60℃(-4℉ to 140℉) @60±25% Relative Humidity
	Storage Temperature	0℃ to 45℃(32℉ to 113℉) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Mechanical	Cell & Method	IFR32700 ,2S1P
	Plastic Case	ABS
	Dimension(L*W*H*TH)	70*47*102*105mm
	Weight	Approx. 0.4Kg
	Terminal	F2



Shenzhen YaBo Power Technology Co., Ltd.

Website Address (URL): <https://yabohybridbattery.en.alibaba.com>

<http://www.yabopower.com>

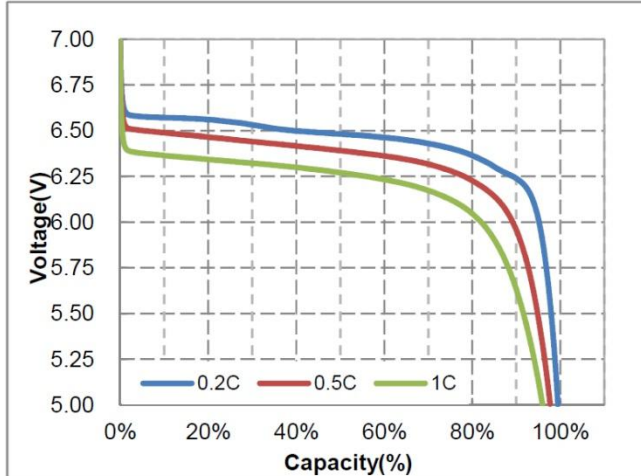
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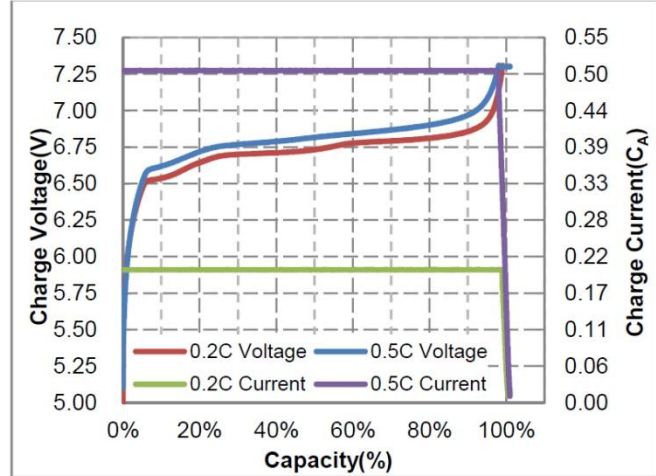
### Lithium Iron Phosphate (LiFePO<sub>4</sub>) Battery

#### YB-LFP6.4 V6AH

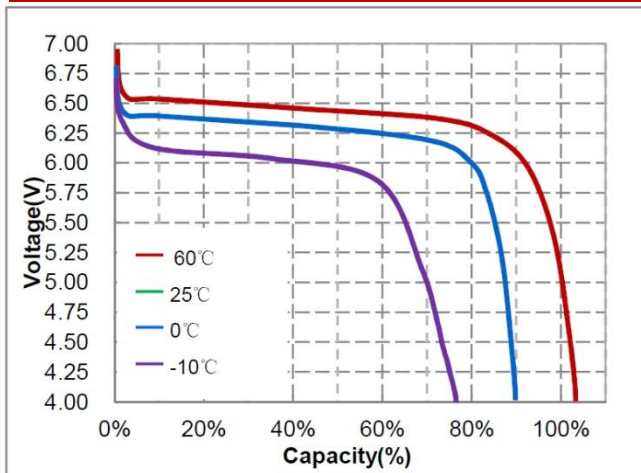
Different Rate Discharge Curve @ 25°C



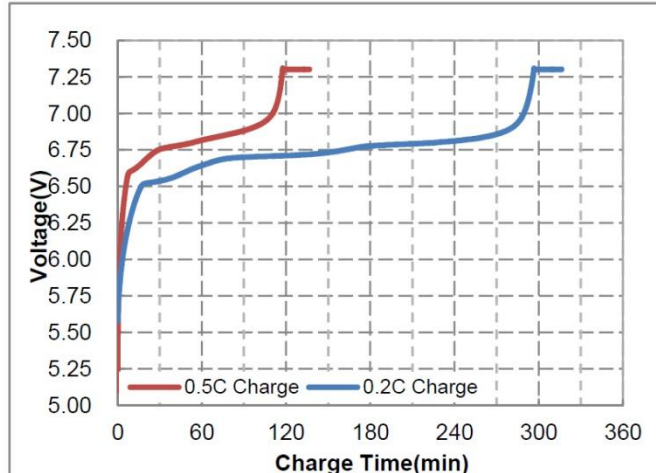
Charge Characteristics @0.2C&0.5C, 25°C



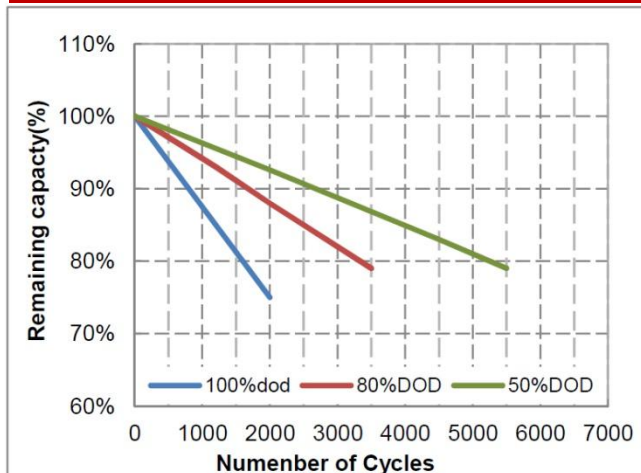
Different Temperature Discharge Curve @0.5C, 25°C



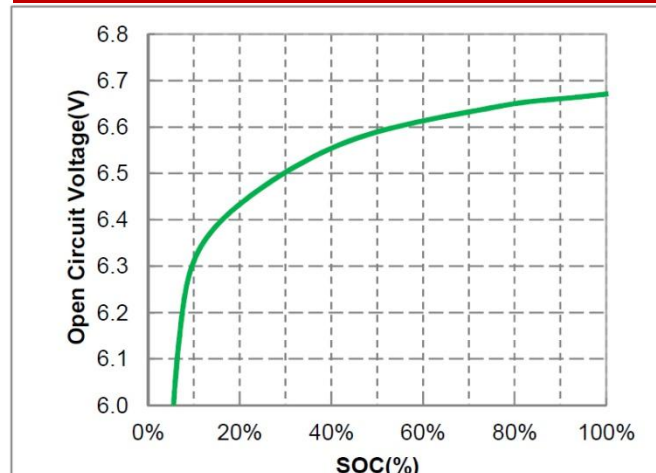
Charge Characteristics @0.2C&0.5C, 25°C



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



Open circuit voltage VS SOC%



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