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YB-LF8168 25.8V 100Ah

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.
- ◆ Free of maintenance .
- ◆ 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℃~60℃.

Application

- ◆ UPS
- ◆ Solar & Wind Power System
- ◆ Golf Cart
- ◆ Electric Vehicle , E-bike, E-rickshaw etc.
- ◆ Lighting



General Specifications

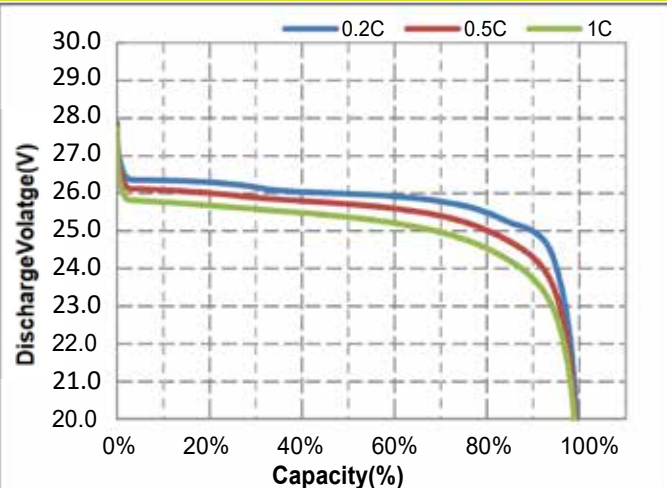
Electrical Characteristics	Nominal Voltage	25.6V
	Nominal Capacity	100Ah@0.2C
	Energy	2560Wh
	Internal Resistance	≤35mΩ
	Cycle Life	2000 Cycles @ 0.2C Charging/Discharging ,Until 70% Capacity
	Self Discharge	≤3.5% per month at 25℃
Standard Charging	Max.Charging Voltage	28.0~29.2V
	Charging Mode	At 0℃~45℃ 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 0.02C (A) .
	Charging Current	50A
	Max.Charging Current	120A
Standard Discharging	Discharging Current	50A
	Max. Continuous Current	120A
	Max.Pulse Current	250A(<100mS)
	Discharging Cut-off Voltage	20.0
Operating Condition	Charge Temperature	0℃ to 45℃ (32°F to 113°F) @60±25% Relative Humidity
	Discharge Temperature	-20℃ to 60℃ (-4°F to 140°F) @60±25% Relative Humidity
	Storage Temperature	0℃ to 45℃ (32°F to 113°F) @60±25% Relative Humidity
	Water Dust Resistance	IP55
Structure	Cell & Format	100Ah 8S1P
	Casing	Plastic
	Dimension(L*W*H*TH)	522*238*217*217
	Package Dimension	570*310*297mm
	Weight	Approx. 25Kg
	Terminal	M8



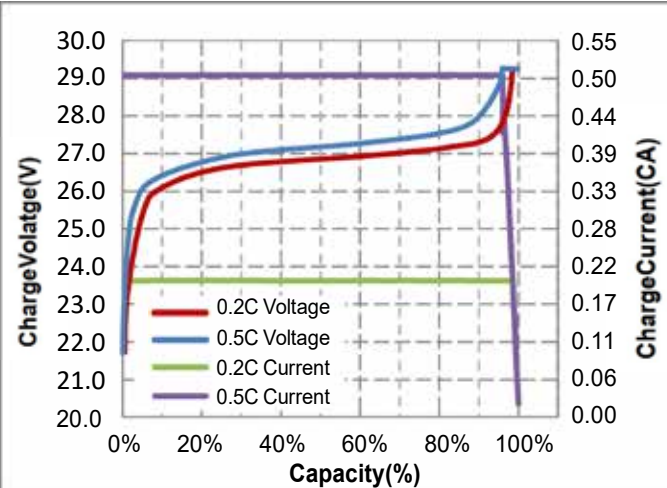
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YB-LFP 25.6V SERIES

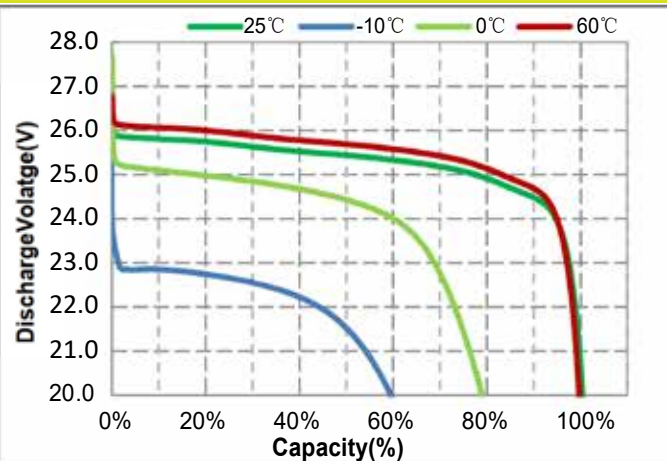
Different Rate Discharge Curve @25°C



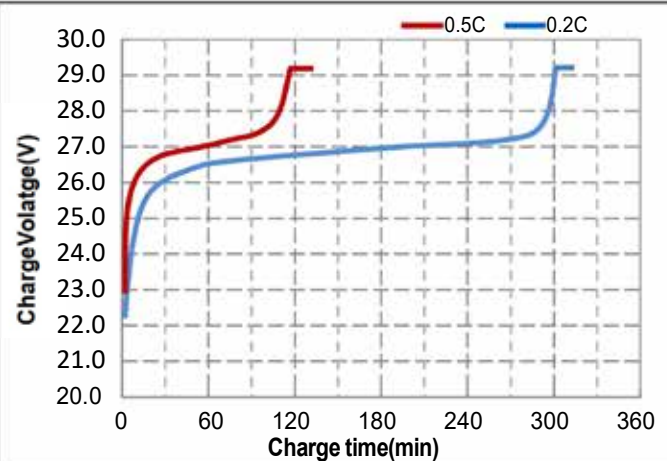
Charge Characteristics of capacity-voltage@0.2C&0.5C, 25°C



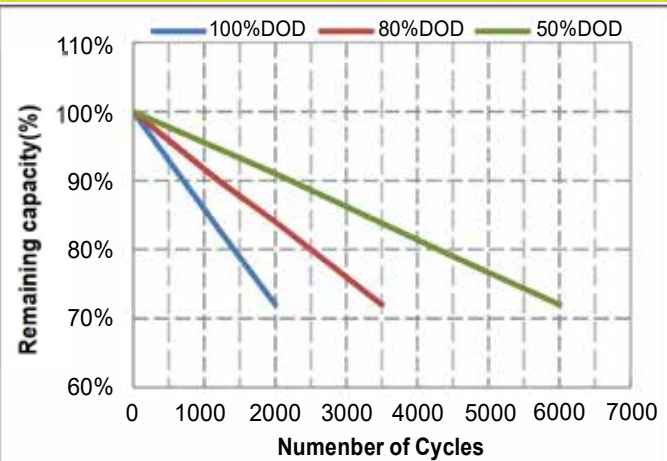
Different Temperature Discharge Curve @0.5C, 25°C



Charge Characteristics of time-voltage@0.2C&0.5C, 25°C



Different DOD Discharge Cycle Life Curve @0.2C, 25°C



Open circuit voltage VS SOC@25°C

