

51.2V 52Ah LITHIUM BATTERY



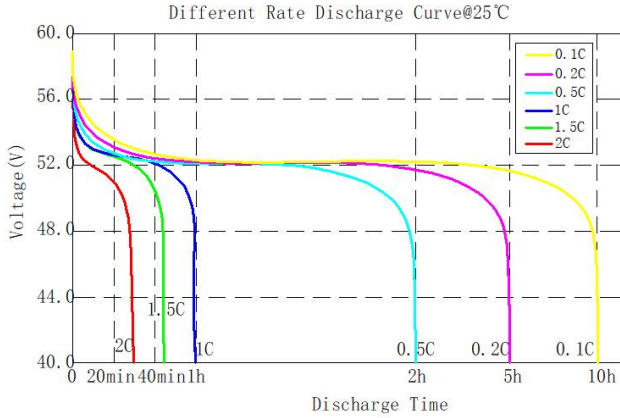
► Features

- A grade brand new prismatic LiFePO4 cells
- > 4000 cycles @80% DOD(25°C, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LED less power consumption, high brightness, long visual distance.
- Cell balance function
- Rack-mounted style
- Certificate: UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

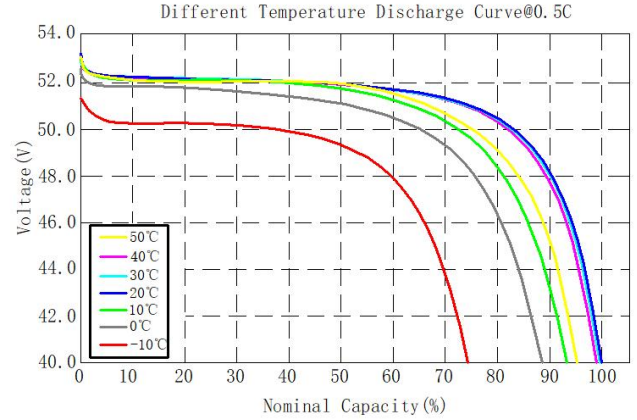
► Electrical Characteristics

Model	LFP2.56KWH51.2V-P20R1
Battery Type	LiFePO4
Nominal Voltage (V)	51.2
Nominal Capacity (AH)	52
Energy (WH)	2662
Pack Mode	16S1P
Continuous Discharge Current (A)	25
Charge Cut-off Voltage (V)	57.6
Discharge Cut-off Voltage (V)	41.6
Max.Charge Current (A)	25
Max.Discharge Current (A)	50
Peak Discharge Current (A)	60@10S
Recommend Discharge Current (A)	25
Recommend Discharge Depth (%)	80
Cycle Life	> 4000 cycles (25°C, 0.5C) 80% DOD
Communication	RS485/RS232/CAN
Function	LED
Charge&Discharge Temperature (°C)	Charge: 0°C~+55°C / Discharge: -20°C~+60°C
Optimal Storage Temperature (°C)	5°C ~ +35°C
Recommend Storage Humidity	20%~80%
Terminal	M6
Dimensions (W*H*D) (mm)	426*340*150
Weight (Kg)	26.8±0.5
Certificate	UN38.3 MSDS IEC62619
IP Class	IP20

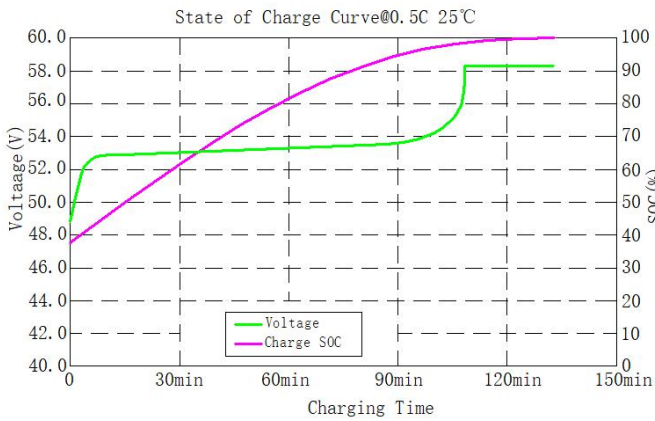
Different Rate Discharge Curve@25°C



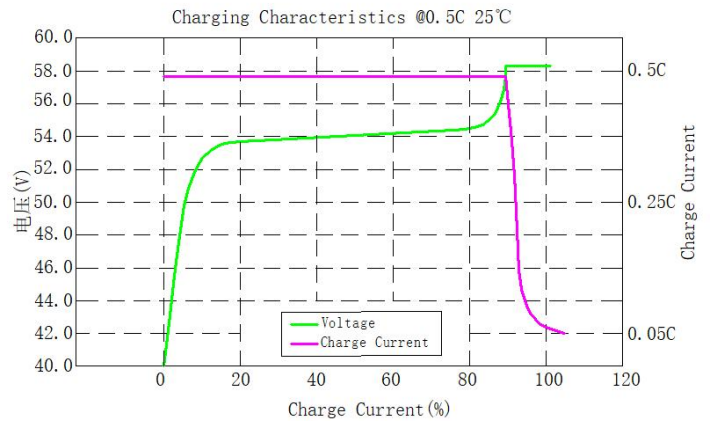
Different Temperature Discharge Curve@0.5C



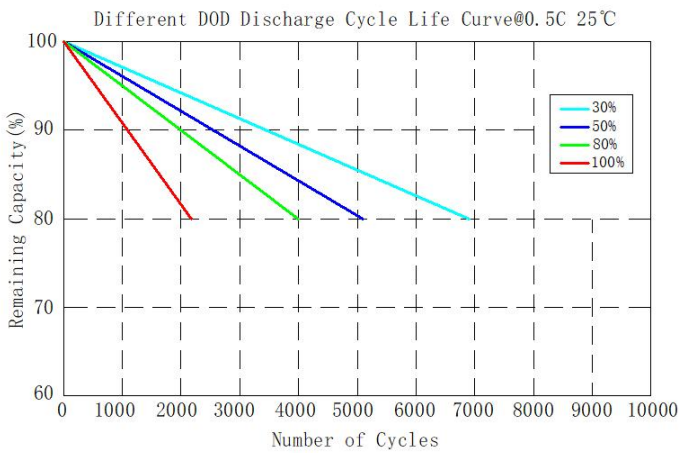
State of Charge Curve@0.5C 25°C



Charging Characteristics@0.5C 25°C



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



Different Temperature Self Discharge Curve

