

51.2V 100Ah LITHIUM BATTERY



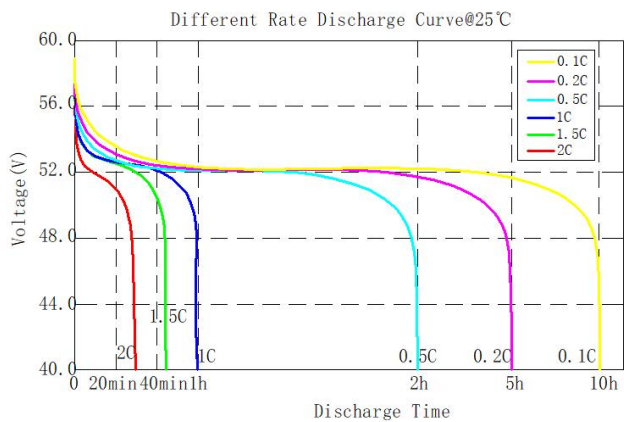
► Features

- A grade brand new prismatic LiFePO4 cells
- > 6000 cycles @80% DOD(25°C, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Metal Case, excellent heat dissipation, more safety
- Rack-mounted style
- Certificate: UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

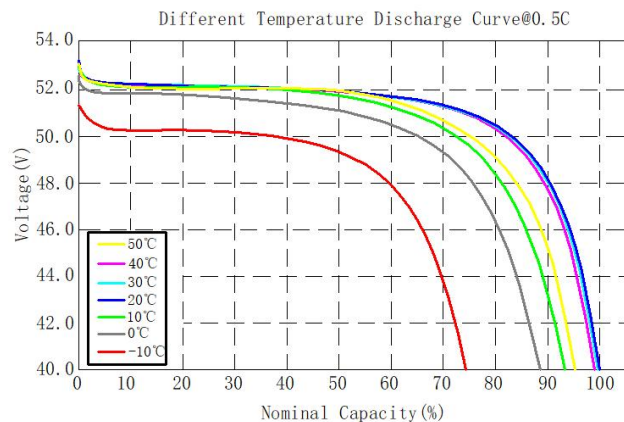
► Electrical Characteristics

Model		LFP5.12KWH51.2V-P20R4
Battery Type		LiFePO4
Nominal Voltage (V)		51.2
Nominal Capacity (AH)		100
Energy (WH)		5120
Pack Mode		16S1P
Continuous Discharge Current (A)		50
Charge Cut-off Voltage (V)		57.6
Discharge Cut-off Voltage (V)		41.6
Max.Charge Current (A)		50
Max.Discharge Current (A)		100
Peak Discharge Current (A)		120@10S
Recommend Discharge Current (A)		50
Recommend Discharge Depth (%)		80
Cycle Life		> 6000 cycles (25°C, 0.5C) 90% DOD
Communication		RS485 RS232 CAN
Function		LCD
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)		495*510*150
Weight (Kg)		47.8±0.5KG
Certificate		UN38.3, MSDS, IEC62619
IP Class		IP20

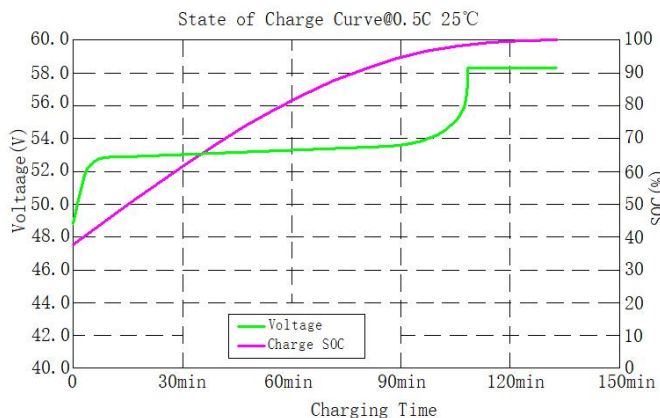
Different Rate Discharge Curve@25℃



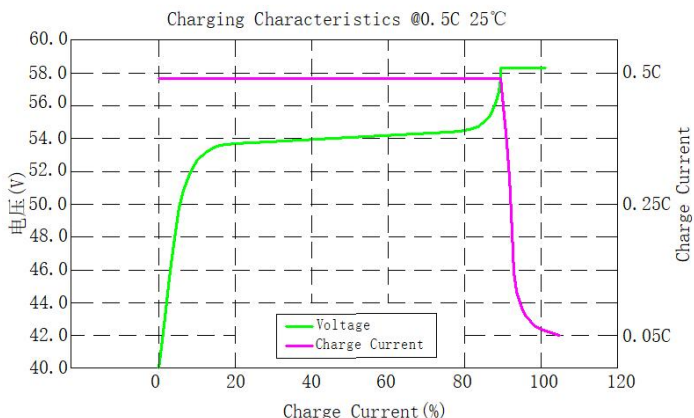
Different Temperature Discharge Curve0.5C



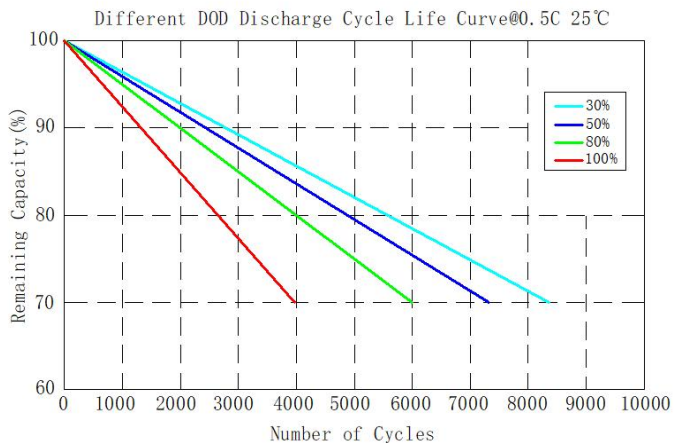
State of Charge Curve@0.5C 25℃



Charging Characteristics@0.5C 25℃



Different DOD Discharge Cycle Life Curve@0.5C 25℃



Different Temperature Self Discharge Curve

