12.8V 100Ah LITHIUM BATTERY

Features

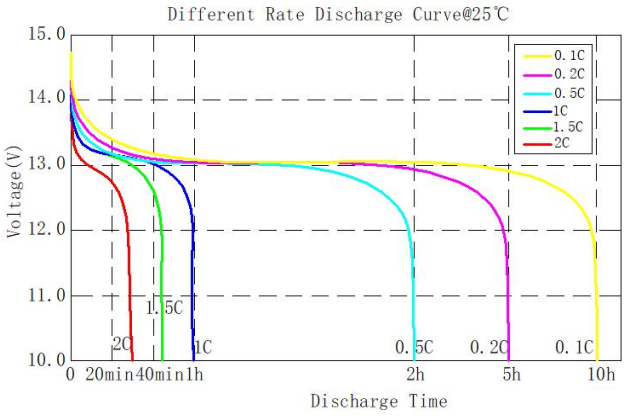
- A grade brand new prismatic LiFePO4 cells
- > 6000 cycles @80% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- Max 4 battery packs can be connected in series/parallel
- Cell balance function
- Metal Case, excellent heat dissipation, more safety
- Certificate: UN38.3, MSDS IEC62619

Electrical Characteristics

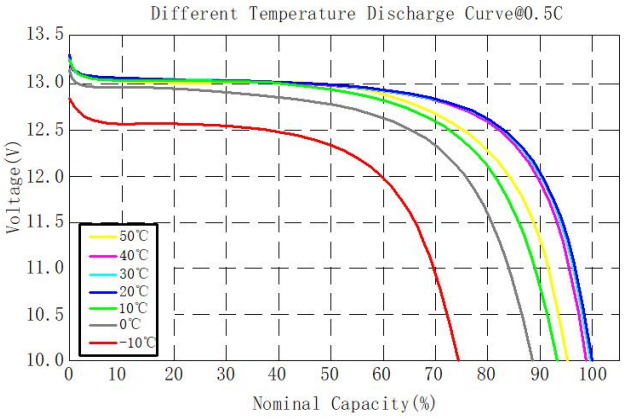
Model		LiM12100
Electrical Parameter	Battery Type	LiFePO4
	Nominal Voltage (V)	12.8
	Nominal Capacity (AH)	100
	Energy (WH)	1280
	Pack Mode	4S1P
	Charge Cut-off Voltage (V)	14.4
	Discharge Cut-off Voltage (V)	10.4
	Max.Charge Current (A)	100
	Max.Discharge Current (A)	100
	Recommend Discharge Current (A)	50
	Recommend Discharge Depth (%)	80
	Cycle Life	> 6000 cycles (25°C, 0.5C) 80% DOD
	Function	---
	Communication	--
	Display	--
	Mounting	---
Environmental Parameter	Charge&Discharge Temperature (℃)	Charge: 0°C~+50°C / Discharge: -20°C~+50°C
	Optimal Storage Temperature (℃)	5°C ~ +35°C
	Relative Humidity	40%~80%
	Ingress Protection	IP65
Mechanical Parameter	Terminal	M6
	Dimensions (L*W*H) (mm)	280*200*170
	Weight (Kg)	13.6±0.5
Certificate		UN38.3 MSDS IEC62619

Performance characteristics

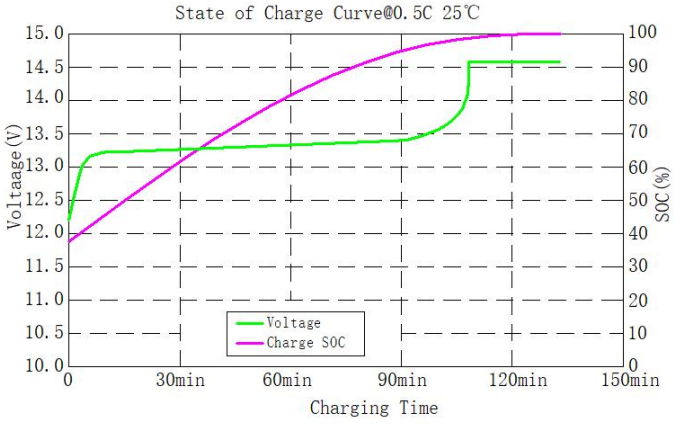
Different Rate Discharge Curve@25℃



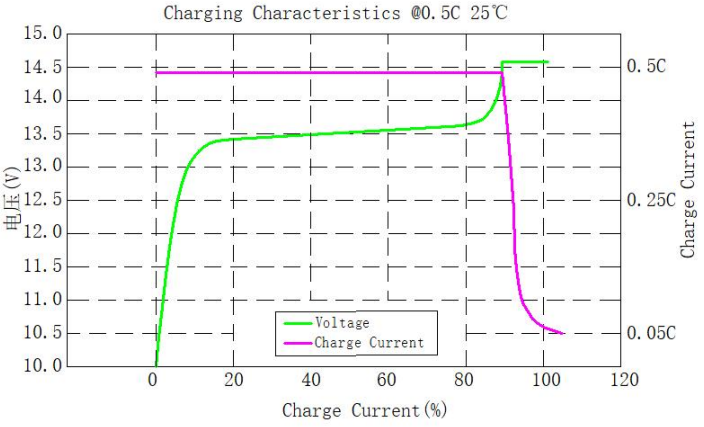
Different Temperature Discharge Curve0.5C



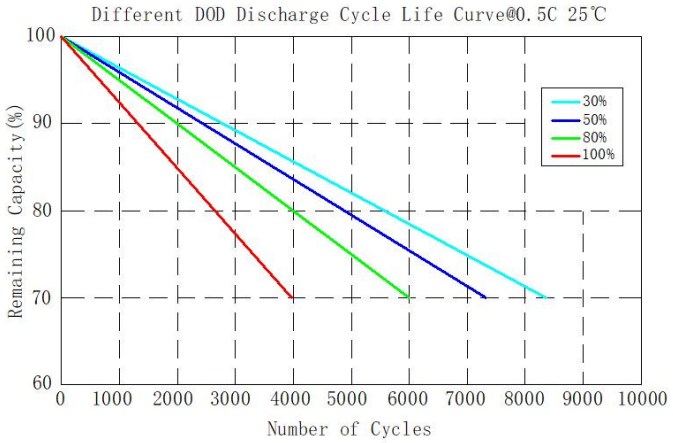
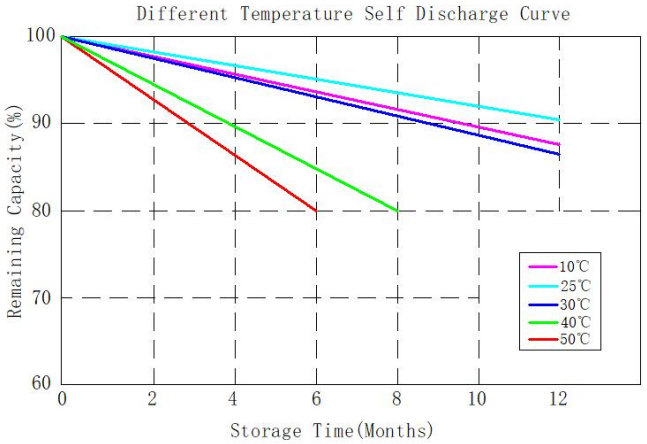
State of Charge Curve@0.5C 25℃



Charging Characteristics@0.5C 25℃



Different DOD Discharge Cycle Life Curve@0.5C 25℃



Different Temperature Self Discharge Curve