

51.2V 100Ah Lithium Battery



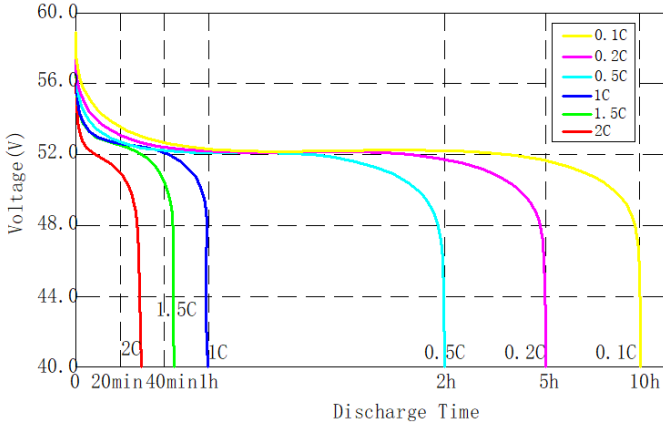
Features

- 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
- LED/LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Max 32 battery packs can be connected in parallel
- Metal Case, excellent heat dissipation, more safety
- Standard size: 3U
- Certificate: UN38.3, MSDS IEC62619 ROHS CE

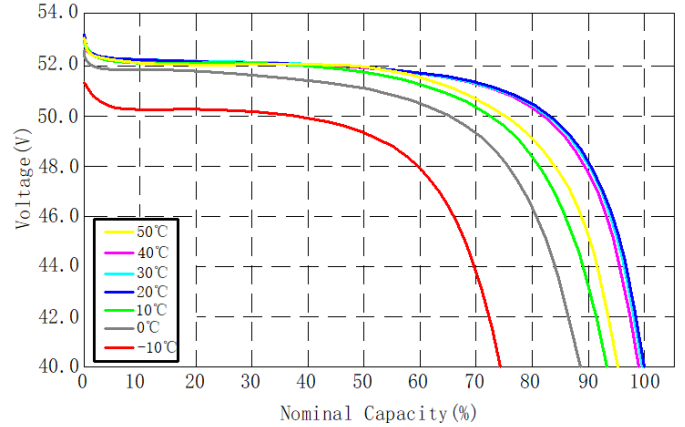
Electrical Characteristics

Model	LR51100A	LR51100E	LR51100B
Electrical Parameter			
Battery Type	LiFePO ₄		
Nominal Voltage (V)	51.2		
Nominal Capacity (AH)	100		
Energy (WH)	5120		
Pack Mode	16S1P		
Charge Cut-off Voltage (V)	57.6		
Discharge Cut-off Voltage (V)	41.6		
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	Optional :Bluetooth/WIFI/Heating		Breaker Optional: Bluetooth/WIFI/Heating/gasoloid
Communication	RS485 CAN		
Display	LCD	LED	
Mounting	Rack-mounted 3U		
Environmental Parameter			
Charge&Discharge Temperature (°C)	Charge: 0°C~+50°C / Discharge: -20°C~+50°C		
Optimal Storage Temperature (°C)	5°C ~ +35°C		
Relative Humidity	40% ~ 80%		
Mechanical Parameter			
Ingress Protection	IP21		
Terminal	M8		
Dimensions (L*W*H) (mm)	476*450*136		
Weight (kg)	--		--
Certificate	UN38.3 MSDS IEC62619 ROHS CE		

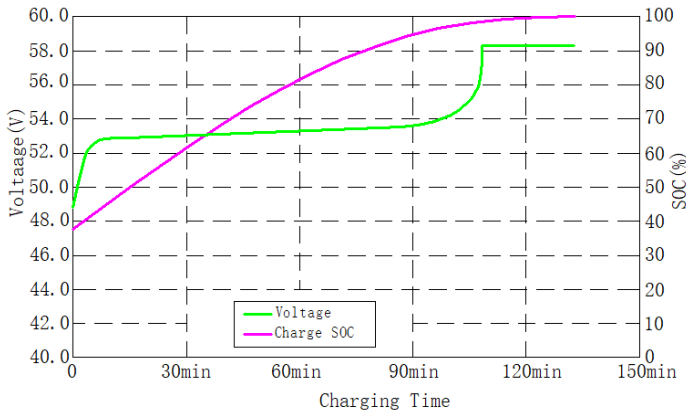
Different Rate Discharge Curve@25°C



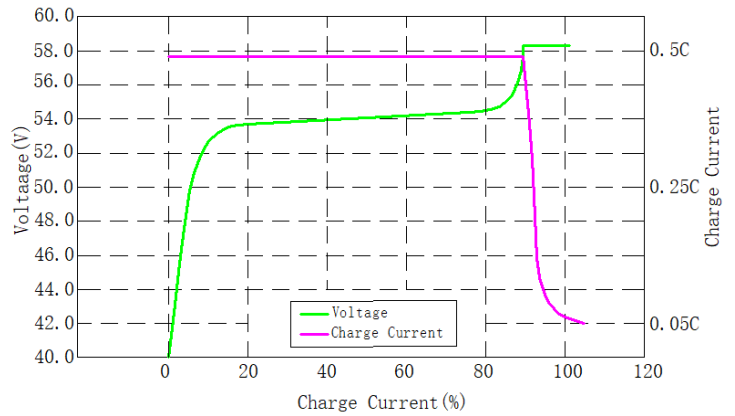
Different Temperature Discharge Curve@0.5C



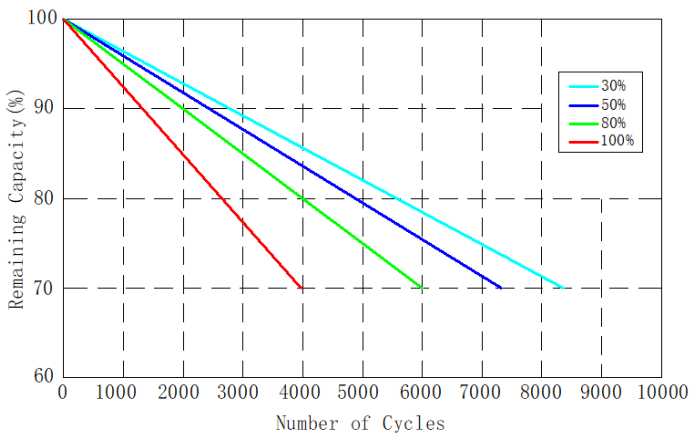
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

