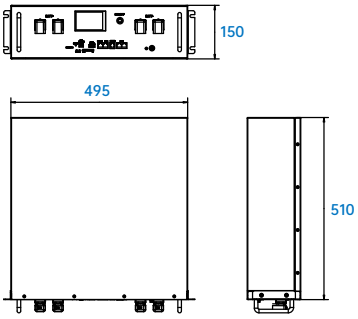
Rack-mounted

LFP5.12KWH51.2V-P20R4

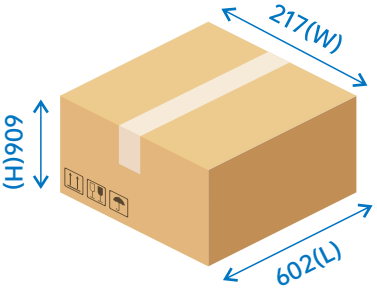
Product Appearance



Product Size



Packaging Size



Net Weight: 47.8±0.5kg

Gross Weight: 54.1±0.5kg

Features

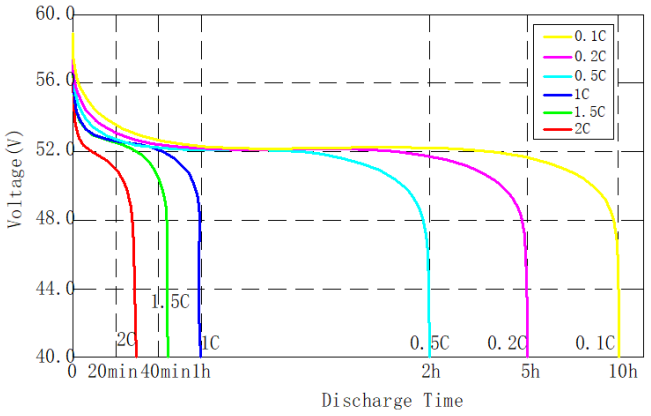
- A grade brand new prismatic $LiFePO_4$ cells
- > 6000 cycles @90% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Metal Case, excellent heat dissipation, more safety
- Rack-mounted style
- Certificate: UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

Technical Specifications

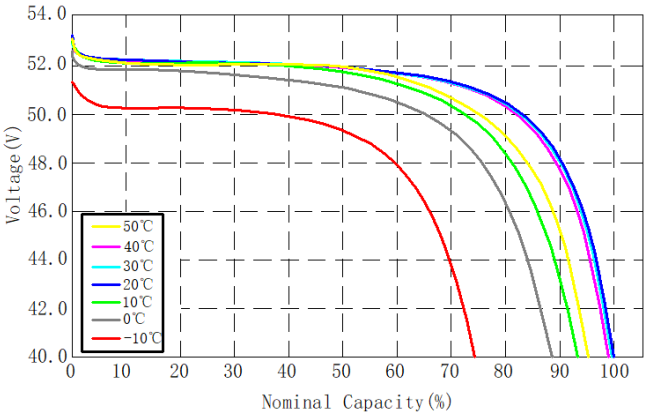
Model	LFP5.12KWH51.2V-P20R4
Electrical Parameter	
Battery type	$LiFePO_4$
Nominal voltage	51.2V
Nominal capacity	100Ah
Energy	5120Wh
Pack mode	16S1P
Continuous discharge current	50A
Charge cut-off voltage	57.6V
Discharge cut-off voltage	41.6V
Max. charge current	50A
Max. discharge current	100A
Peak discharge current	120A
Recommend discharge current	50A
Recommend discharge depth	80%
Cycle life	> 6000 cycles (25℃, 0.5C) 90% DOD
Communication	RS485/RS232/CAN
Display	LED+LCD
Environmental Parameter	
Charge & discharge temperature	Charge: 0℃~+55℃ Discharge: -20℃~+60℃
Optimal storage temperature	5℃ ~ +35℃
Relative humidity	40%-80%
Ingress protection	IP20
Mechanical Parameter	
Terminal	M6
Dimensions (WxHxD) (mm)	495x510x150
Weight (Kg)	47.8±0.5
Certificate	UN38.3, MSDS, IEC62619

Performance characteristics

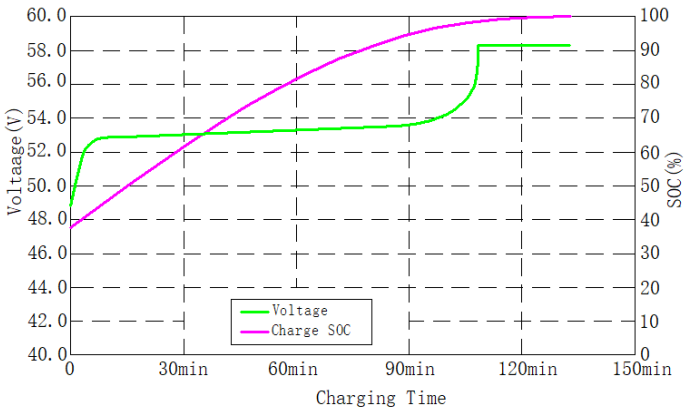
Different Rate Discharge Curve@25°C



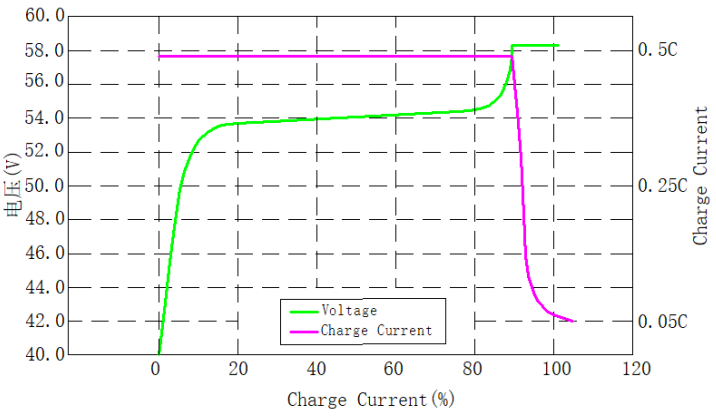
Different Temperature Discharge Curve@0. 5C



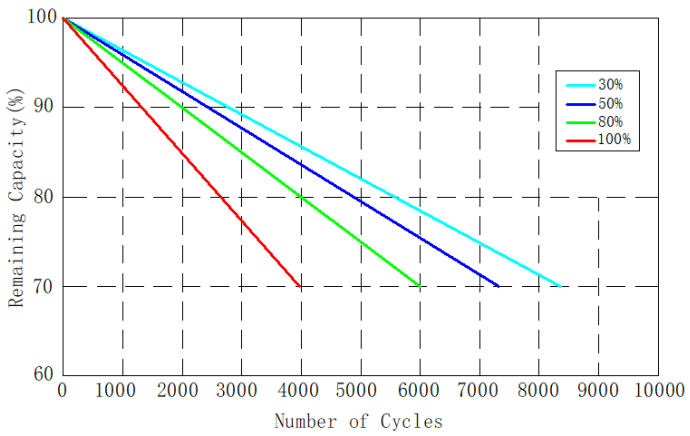
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

