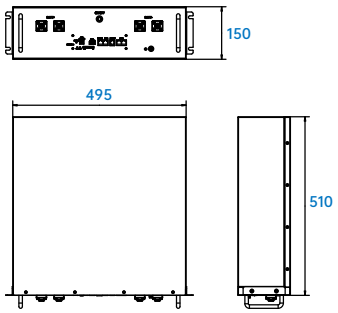
Rack-mounted

LFP4.8KWH48V-P20R3

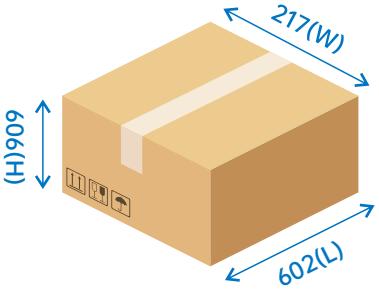
Product Appearance



Product Size



Packaging Size



Net Weight: 45.6±0.5kg

Gross Weight: 51.9±0.5kg

Features

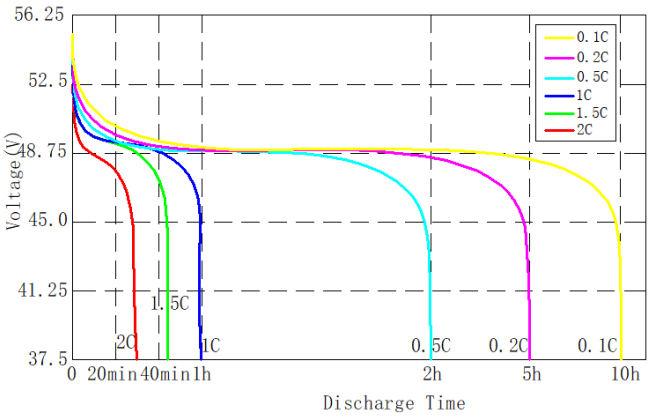
- A grade brand new prismatic $LiFePO_4$ cells
- > 6000 cycles @80% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LED less power consumption, high brightness, long visual distance
- Metal Case, excellent heat dissipation, more safety
- Rack-mounted style
- Certificate: UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

Electrical Characteristics

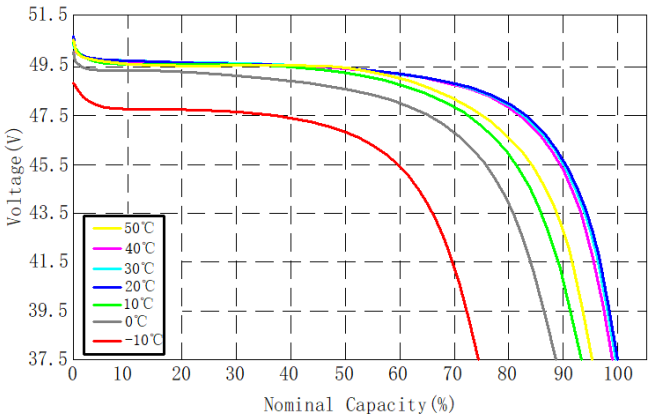
Model	LFP4.8KWH48V-P20R3
Electrical Parameter	
Battery type	$LiFePO_4$
Nominal voltage	48V
Nominal capacity	100Ah
Energy	4800Wh
Pack mode	15S1P
Continuous discharge current	50A
Charge cut-off voltage	54V
Discharge cut-off voltage	39V
Max. charge current	50A
Max. discharge current	100A
Peak discharge current	120A
Recommend discharge current	50A
Recommend discharge depth	80%
Cycle life	> 6000 cycles (25℃, 0.5C) 80% DOD
Communication	RS485/RS232/CAN
Display	LED
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)	45.6±0.5
Certificate	UN38.3, MSDS, IEC62619

Performance characteristics

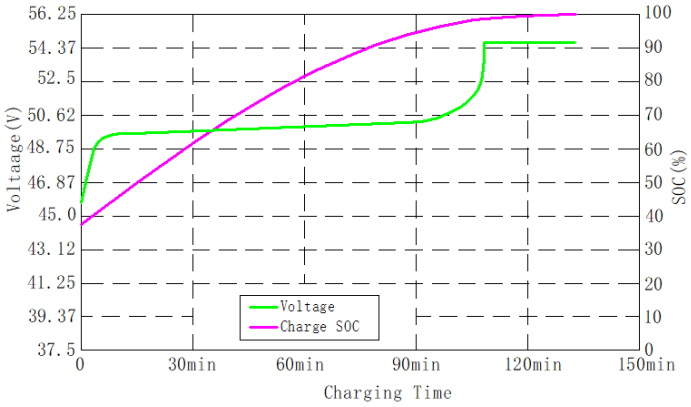
Different Rate Discharge Curve@25°C



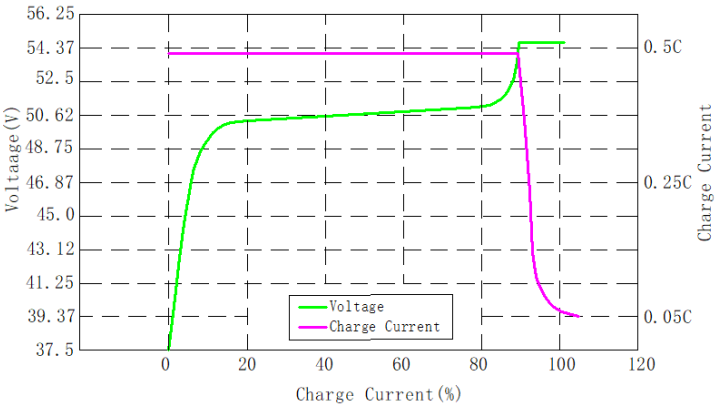
Different Temperature Discharge Curve@0. 5C



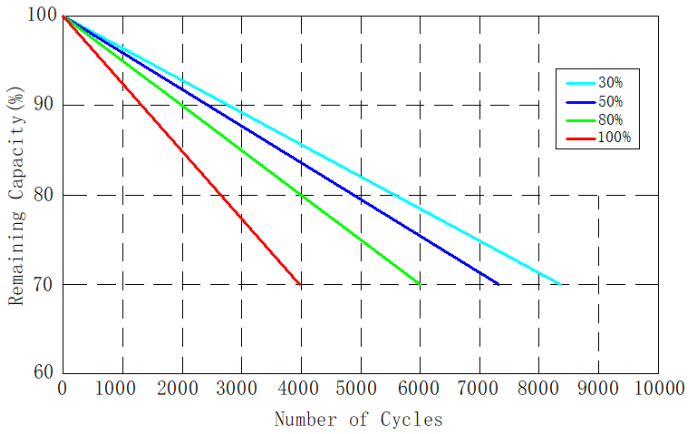
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

