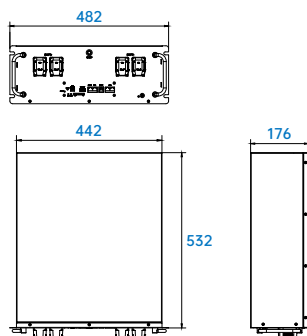


► Product Appearance

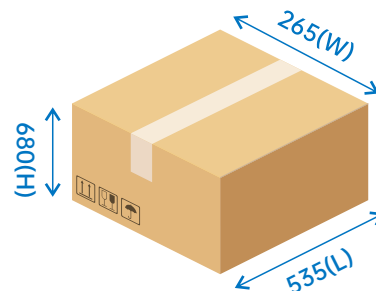


► Product Size



Net Weight: 45.9±0.5kg

► Packaging Size



Gross Weight: 49.4±0.5kg

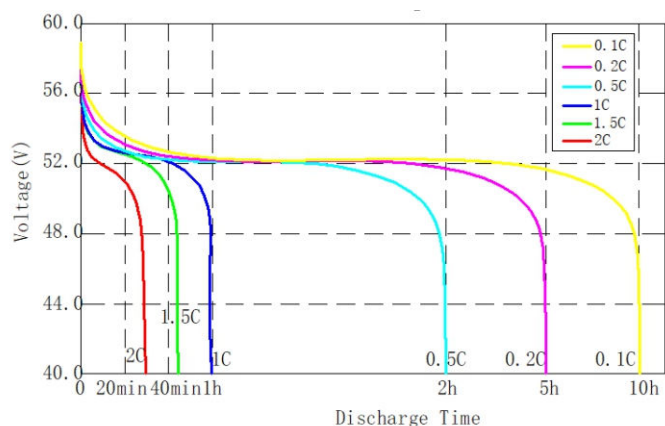
► Features

- A grade brand new solid-state cells
- >5000 cycles @80% DOD(25°C, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- Compatible with most inverters on the market
- Cell balance function
- Rack-mounted style
- Certificate: UN38.3, MSDS, IEC62619 ROHS
- Max 8 battery packs can be connected in parallel

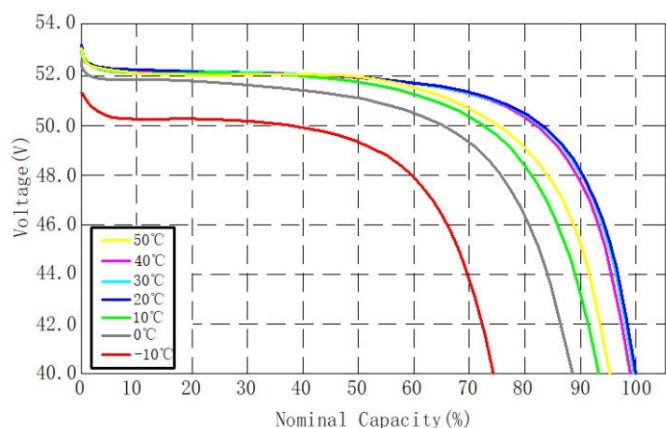
► Electrical Characteristics

Model	LFP5.42KWH51.2V-P20R1QT50
Electrical Parameter	
Battery type	LiFePO ₄
Nominal voltage	51.2V
Nominal capacity	106AH
Energy	5427Wh
Pack mode	16S2P
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	> 5000 cycles (25°C, 0.5C) 80% DOD
Communication	RS485 RS232 CAN
Display	LED
Environmental Parameter	
Charge & discharge temperature	Charge: 0°C~+55°C Discharge: -20°C~+60°C
Optimal storage temperature	5°C ~ +35°C
Relative humidity	40%-80%
Ingress protection	IP20
Mechanical Parameter	
Terminal	M6
Dimensions (WxHxD) (mm)	532x442x176
Weight (Kg)	45.9±0.5
Certificate	UN38.3 MSDS IEC62619 ROHS

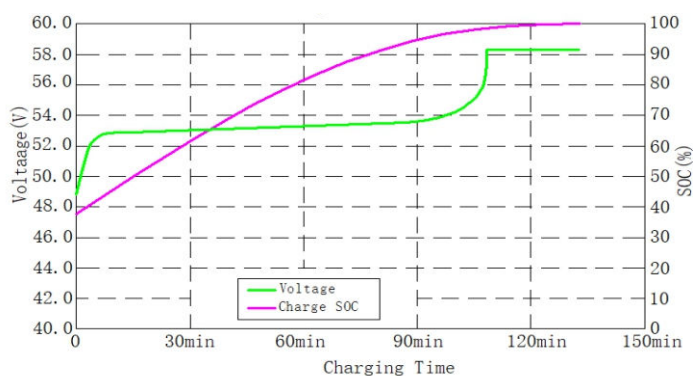
Different Rate Discharge Curve@25°C



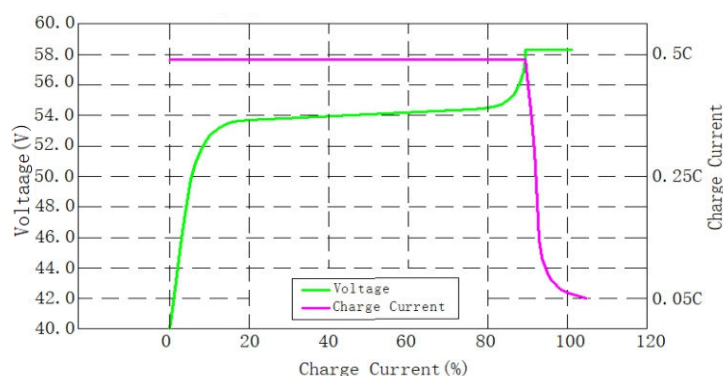
Different Temperature Discharge Curve@0.5C



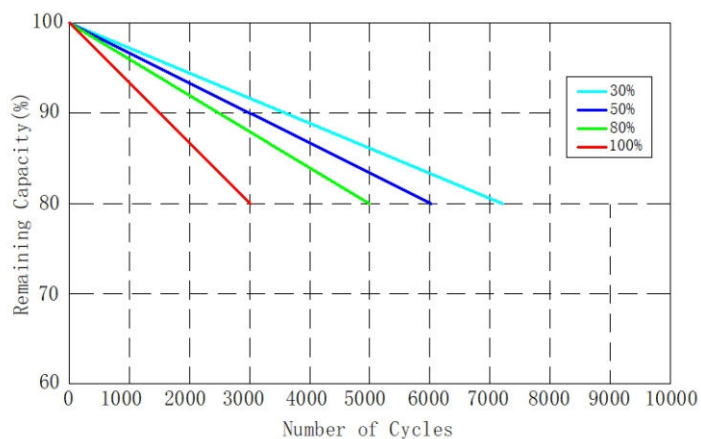
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

