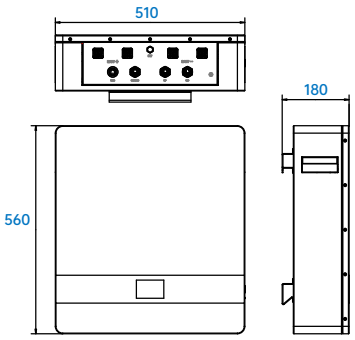
Wall-mounted

LFP5.12KWH51.2V-P65H2EV50

Product Appearance

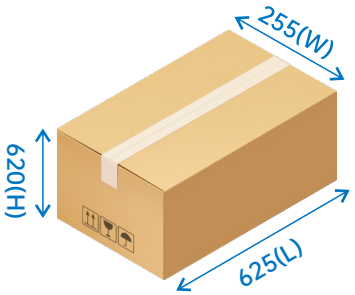


Product Size



Net Weight: 49.8±0.5kg

Packaging Size



Gross Weight: 57.9±0.5kg

Features

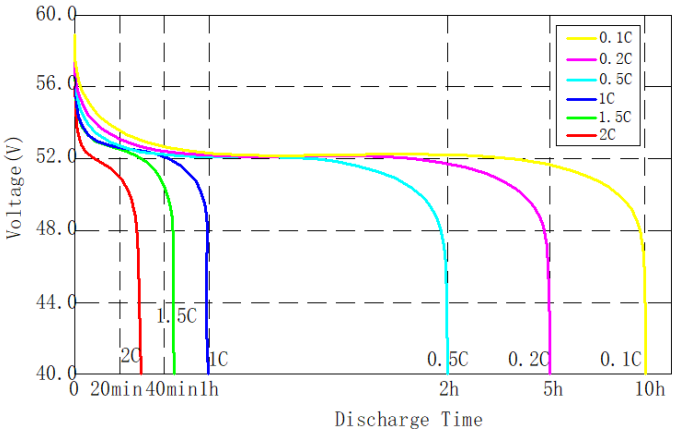
- A grade brand new prismatic $LiFePO_4$ cells
- > 5000 cycles @80% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Cell balance function
- Wall-mounted style
- Certificate:UN38.3, MSDS, IEC62619
- Max 8 battery packs can be connected in parallel

Electrical Characteristics

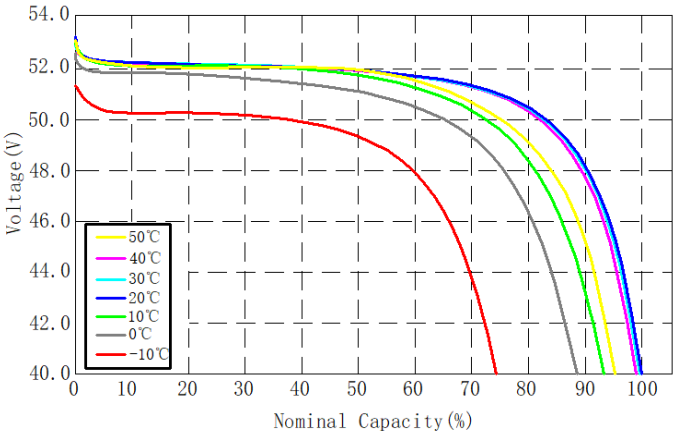
Model	LFP5.12KWH51.2V-P65H2EV50
Electrical Parameter	
Battery type	$LiFePO_4$
Nominal voltage	51.2V
Nominal capacity	100Ah
Energy	5120Wh
Continuous discharge current	50A
Charge cut-off voltage	57.6V
Discharge cut-off voltage	41.6V
Max. charge current	50A
Max. discharge current	100A
Peak discharge current	120A
Recommend discharge current	50A
Cycle life	> 5000 cycles (25℃, 0.5C) 80%DOD
Communication	RS485 CAN RS232
Display	LCD
Open-circuit voltage	50.88~53.6V
Number of series/parallel	Max 8 battery packs in parallel
Environmental Parameter	
Charge & discharge temperature	Charge：0℃~+55℃ Discharge：-20℃~+60℃
Storage temperature range	5℃ ~ +35℃
Relative humidity	40%-80%
Ingress protection	IP65
Mechanical Parameter	
Terminal	Quick-plug
Dimension (L x W x H) (mm)	510x180x560
Weight (kg)	49.8±0.5
Certification	UN38.3, MSDS, IEC62619, ROHS

Performance characteristics

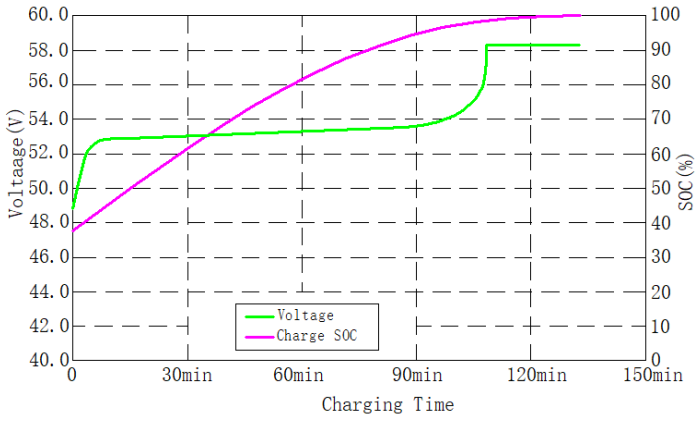
Different Rate Discharge Curve@25°C



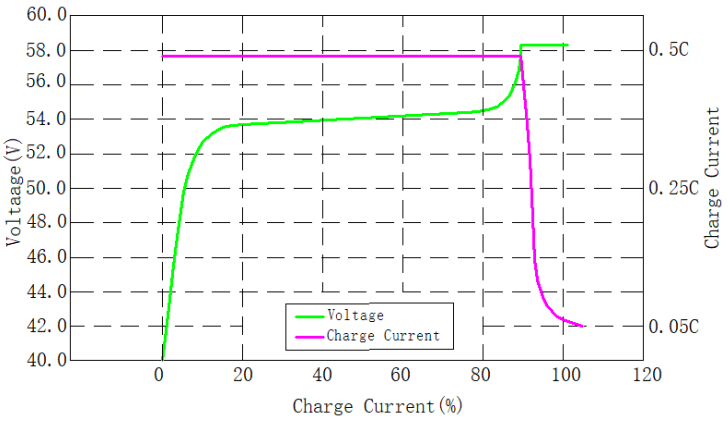
Different Temperature Discharge Curve@0.5C



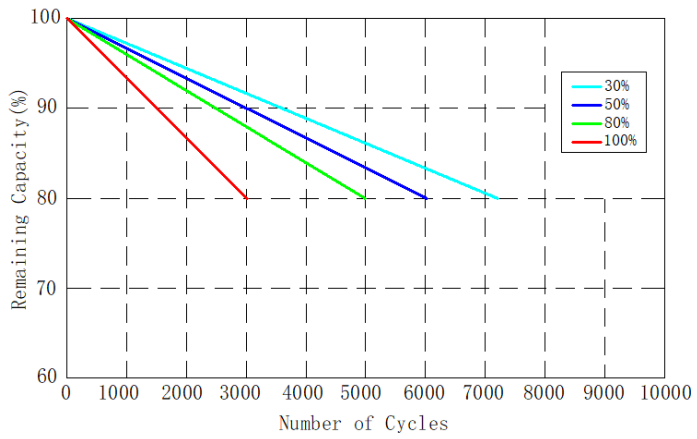
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

