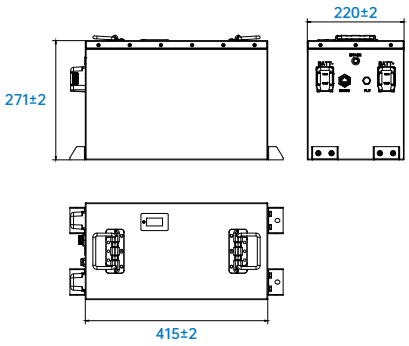
Metal-Case Batteries

LFP4KWH12.8V-P65L1DS

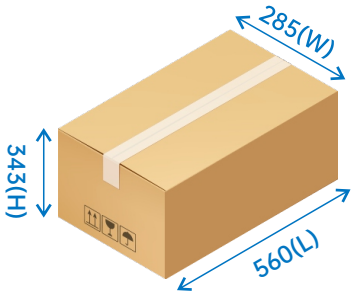
Product Appearance

Product Size



Net Weight: 33.5±0.1kg

Packaging Size



Gross Weight: 36.2±0.5kg

Features

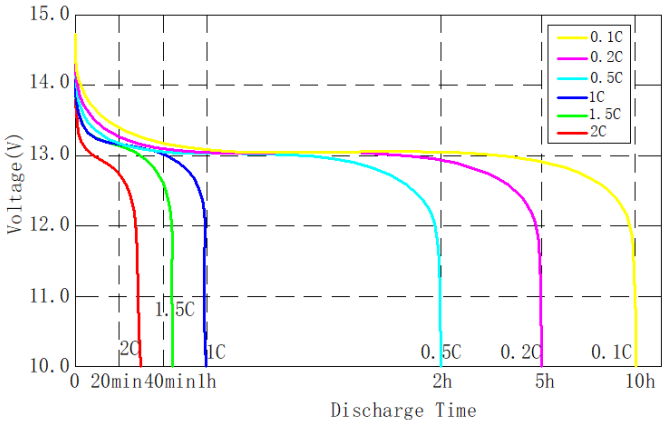
- A grade brand new prismatic $LiFePO_4$ cells
- > 8000 cycles @80% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Cell balance function
- Metal Case, excellent heat dissipation, more safety
- Certificate: UN38.3 MSDS IEC62619
- Max 4 battery packs can be connected in series/parallel

Electrical Characteristics

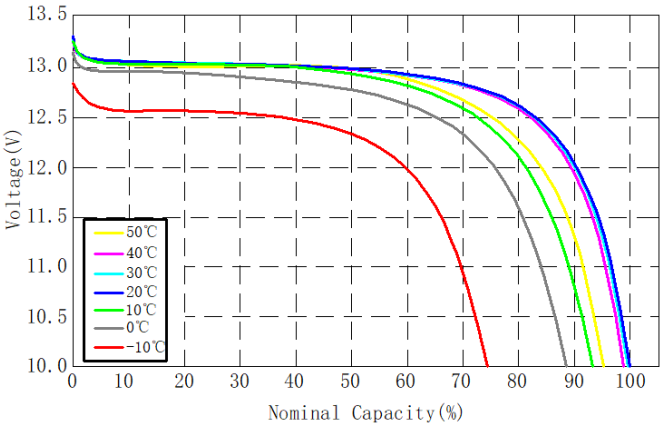
Model	LFP4KWH12.8V-P65L1DS
Electrical Parameter	
Battery Type	$LiFePO_4$
Nominal Voltage	12.8V
Nominal Capacity	314Ah
Energy	4019Wh
Pack Mode	4S1P
Continuous Discharge Current	100A
Charge Cut-off Voltage	14.4V
Discharge Cut-off Voltage	10.4V
Max.Charge Current	100A
Max.Discharge Current	200A
Recommend Discharge Current	100A
Recommend Discharge Depth	80%
Cycle Life	> 8000 cycles (25℃, 0.5C) 80% DOD
Function	Bluetooth
Communication	RS485
Display	LCD
Mounting	---
Environmental Parameter	
Charge&Discharge Temperature	Charge: 0℃~+55℃ / Discharge: -20℃~+60℃
Optimal Storage Temperature	5℃ ~ +35℃
Relative Humidity	40%~80%
Ingress Protection	IP65
Mechanical Parameter	
Terminal	M8
Dimensions (L*W*H) (mm)	415*220*271
Weight (Kg)	33.4±0.1
Certificate	UN38.3 MSDS IEC62619

Performance characteristics

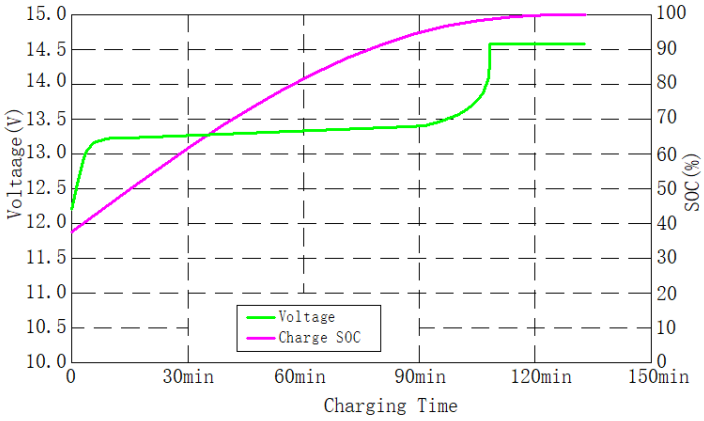
Different Rate Discharge Curve@25°C



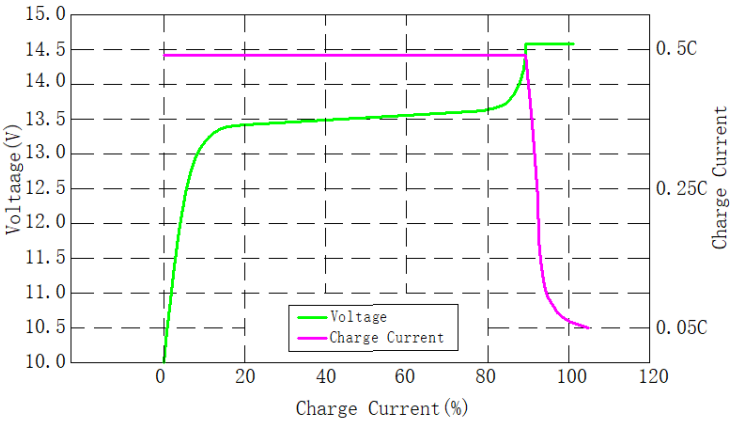
Different Temperature Discharge Curve@0. 5C



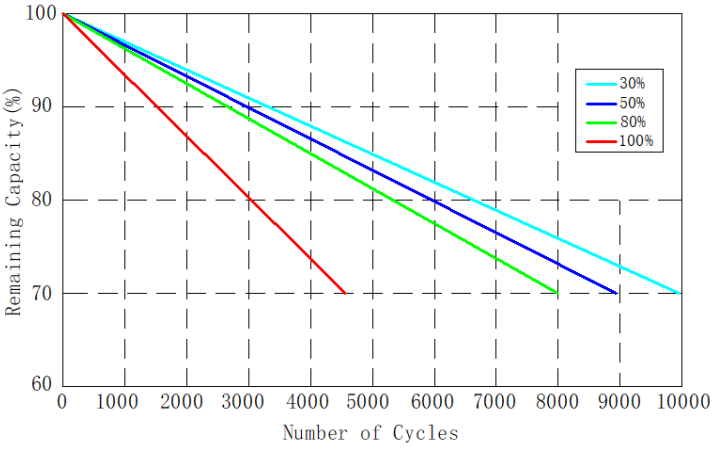
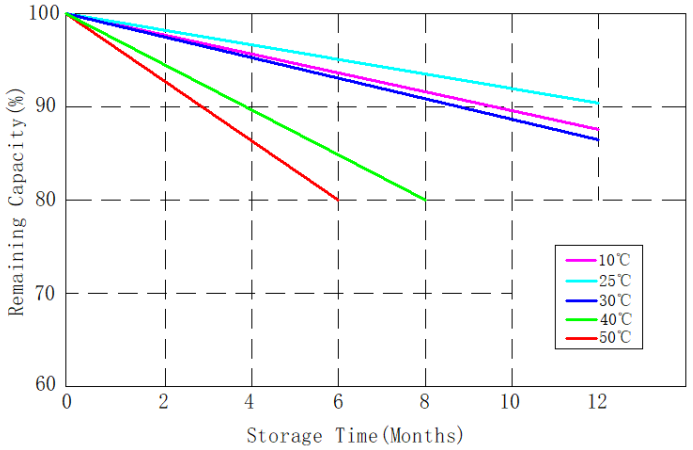
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve