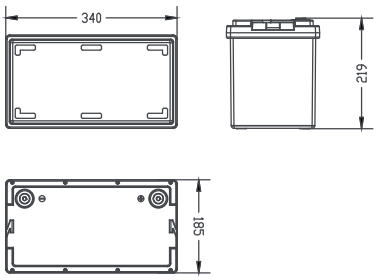
Lithium Battery Series

LFP1.28KWH12.8V-P65L2EV50

Product Appearance

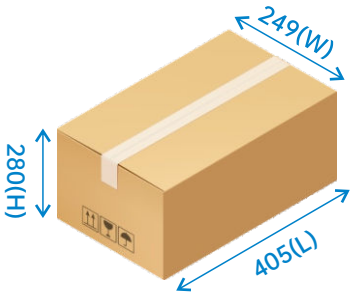


Product Size



Net Weight: 12.2±0.5kg

Packaging Size



Gross Weight: 14.3±0.5kg

Features

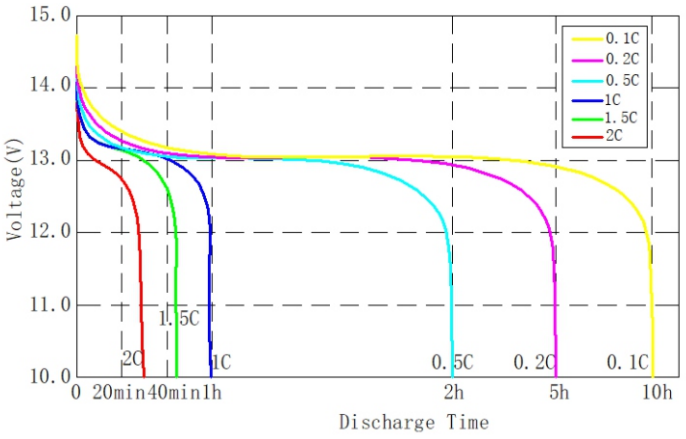
- A grade brand new prismatic $LiFePO_4$ cells
- Cell balance function
- >5000 cycles @80% DOD(25℃, 0.5C)
- IP65 superior safety
- Over charge, over discharge, over temperature, low temperature,over current and short circuit protection
- Certificate: UN38.3, MSDS, IEC62619、CE-RED、ROHS、E-mark
- Easy installation and maintenance free
- Supports series and parallel connection
- Charging Heating Technique
- Supports Bluetooth communication

Technical Specifications

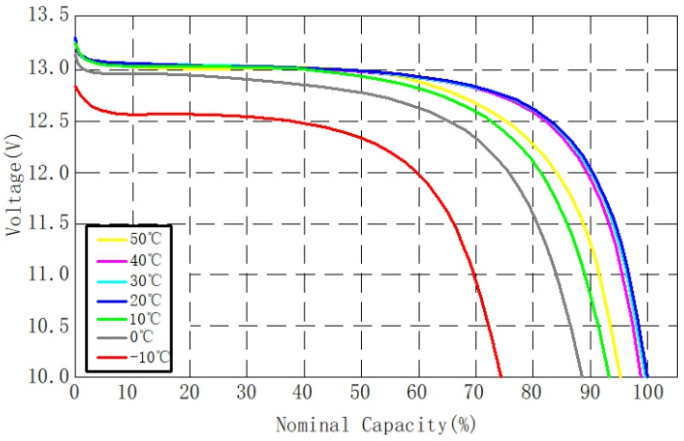
Model	LFP1.28KWH12.8V-P65L2EV50
Battery Type	$LiFePO_4$
Nominal Voltage (V)	12.8
Nominal Capacity (AH)	100
Energy (WH)	1280
Pack Mode	4S1P
Charge Cut-off Voltage (V)	14.4
Discharge Cut-off Voltage (V)	10.4
Max.Charge Current (A)	100
Max.Discharge Current (A)	150
Peak Discharge Current (A)	250A@2S
Recommend Discharge Current (A)	50
Recommend Discharge Deapth (%)	80
Cycle Life	>5000 cycles (25℃, 0.5C) 80% DOD
Communication	Bluetooth
Charge&Discharge Temperature(℃)	Charge: 0℃~+50℃/Discharge: -20℃~+60℃ (Automatic heating when charging below 0℃)
Optimal Storage Temperature(℃)	5℃ ~ +35℃
Recommend Storage Humidity	60%±20% RH
Terminal	M8
Dimensions (L*W*H) (mm)	340*185*219
Weight (Kg)	12.2±0.5
Certificate	UN38.3, MSDS, IEC62619、CE-RED、ROHS
IP Class	IP65

Performance characteristics

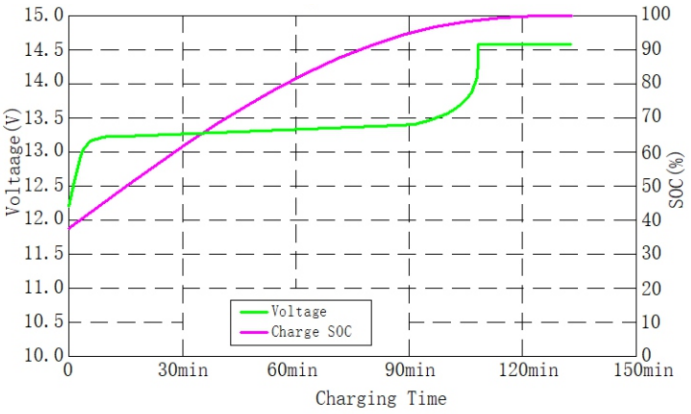
Different Rate Discharge Curve@25°C



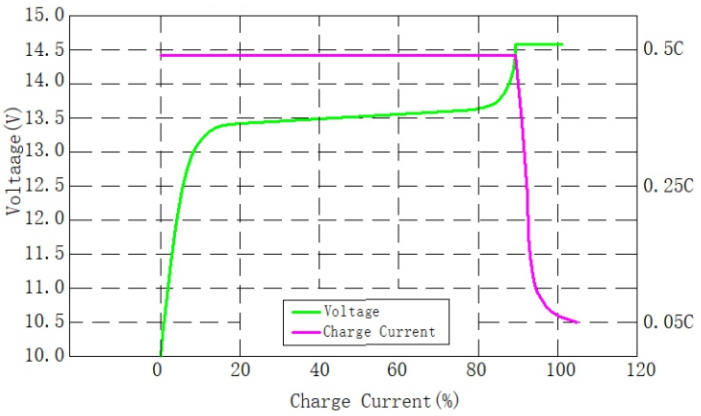
Different Temperature Discharge Curve@0. 5C



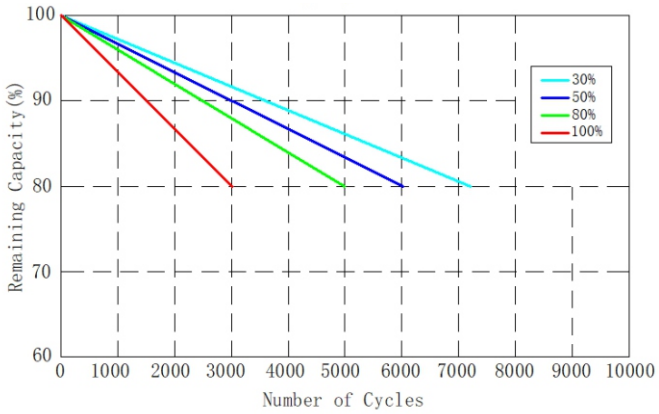
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

