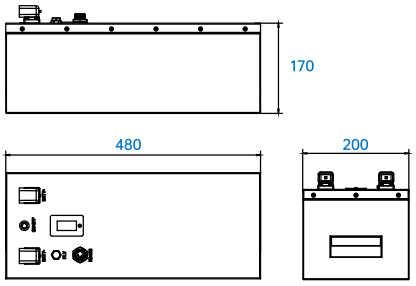
Metal-Case Batteries

LFP2.56KWH12.8V-P65L1

▸ Product Appearance

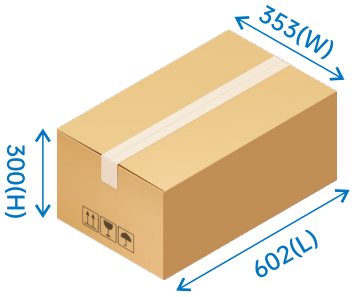


▸ Product Size



Net Weight: 23.8±0.5kg

▸ Packaging Size



Gross Weight: 26.2±1kg

▸ Features

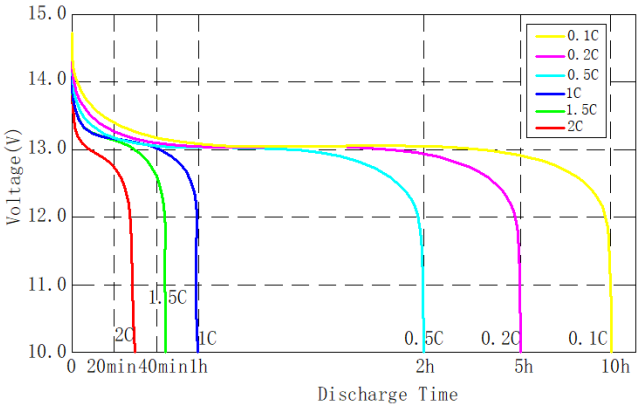
- A grade brand new prismatic $LiFePO_4$ cells
- > 6000 cycles @80% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- LCD display screen to monitor cell SOC, voltage, temperature and alarm status
- Cell balance function
- Metal Case, excellent heat dissipation, more safety
- Certificate: UN38.3 MSDS IEC62619
- Max 4 battery packs can be connected in series/parallel

▸ Electrical Characteristics

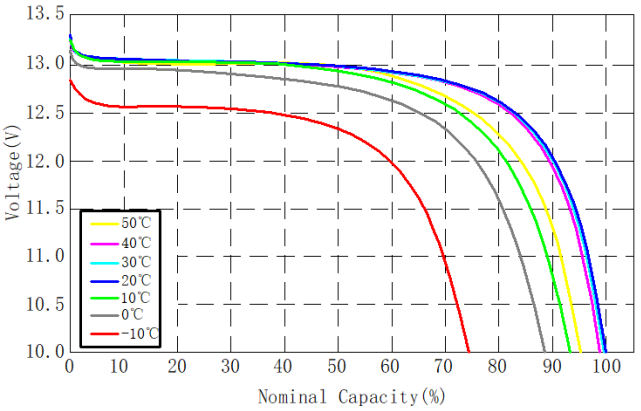
Model	LFP2.56KWH12.8V-P65L1
Electrical Parameter	
Battery type	$LiFePO_4$
Nominal voltage	12.8V
Nominal capacity	200Ah
Energy	2560Wh
Pack mode	4S2P
Continuous discharge current	50A
Charge cut-off voltage	14.4V
Discharge cut-off voltage	10.4V
Max. charge current	100A
Max. discharge current	100A
Peak discharge current	120A
Recommend discharge current	50A
Recommend discharge depth	80%
Cycle life	> 6000 cycles (25℃, 0.5C) 80%DOD
Environmental Parameter	
Charge & discharge temperature	Charge：0℃~+55℃ Discharge：-20℃~+60℃
Optimal storage temperature	5℃ ~ +35℃
Recommend humidity	40%-80%
Ingress protection	IP65
Mechanical Parameter	
Terminal	M6
Dimensions (LxWxH) (mm)	480x200x170
Weight (Kg)	23.8±0.5
Certificate	UN38.3, MSDS, IEC62619

Performance characteristics

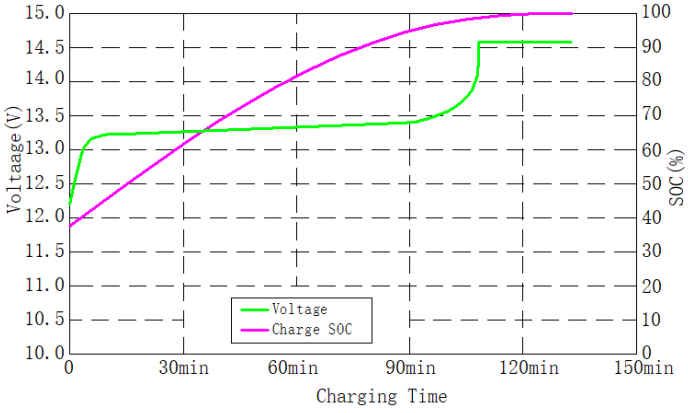
Different Rate Discharge Curve@25°C



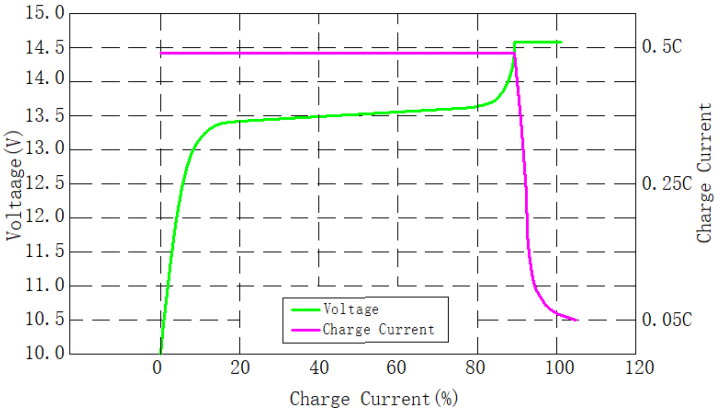
Different Temperature Discharge Curve@0. 5C



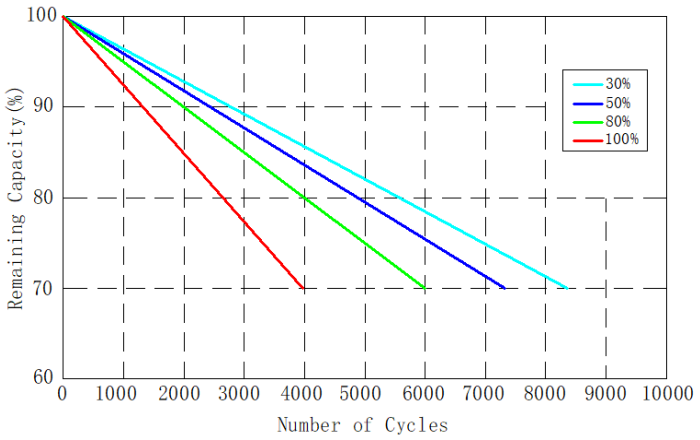
State of Charge Curve@0.5C 25°C



Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve

