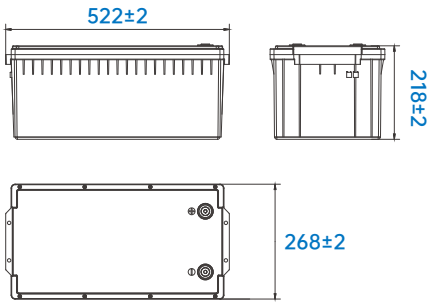
ABS-Case Batteries

LFP2.56KWH25.6V-P65L4

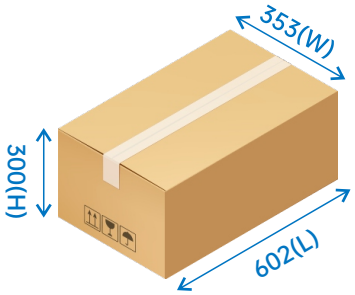
▸ Product Appearance

▸ Product Size



Net Weight: 22.5±0.5kg

▸ Packaging Size



Gross Weight: 25.3±0.5kg

▸ Features

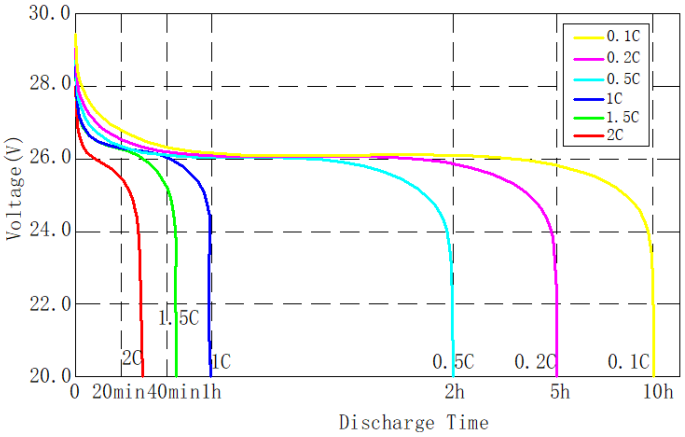
- A grade brand new prismatic $LiFePO_4$ cells
- > 6000 cycles @80% DOD(25℃, 0.5C)
- Over charge, over discharge, over temperature, low temperature, over current and short circuit protection
- Easy installation and maintenance free
- Cell balance function
- ABS Case, corrosion and high temperature resistance
- Certificate: UN38.3, MSDS IEC62619
- Max 2 battery packs in series/Max 4 battery packs in parallel

▸ Electrical Characteristics

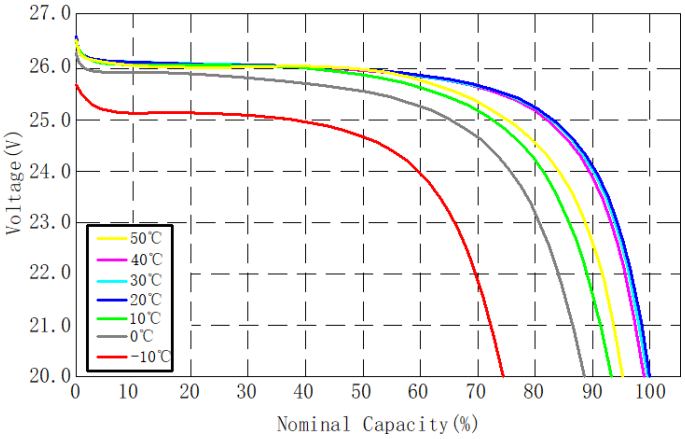
Model	LFP2.56KWH25.6V-P65L4
Electrical Parameter	
Battery Type	$LiFePO_4$
Nominal Voltage (V)	25.6
Nominal Capacity (Ah)	100
Energy (Wh)	2560
Pack Mode	8S1P
Continuous Discharge Current (A)	100
Charge Cut-off Voltage (V)	28.8
Discharge Cut-off Voltage (V)	20.8
Max.Charge Current (A)	100
Max.Discharge Current (A)	100
Recommend Discharge Current (A)	50
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℃
Relative Humidity	40%~80%
Ingress Protection	IP65
Mechanical Parameter	
Terminal	M8
Dimensions (L*W*H) (mm)	522*268*218
Weight (Kg)	22.5±0.5
Certificate	UN38.3 MSDS IEC62619

Performance characteristics

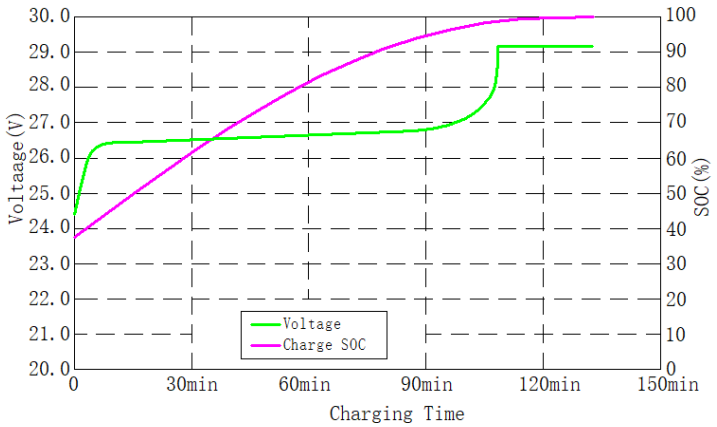
Different Rate Discharge Curve@25°C



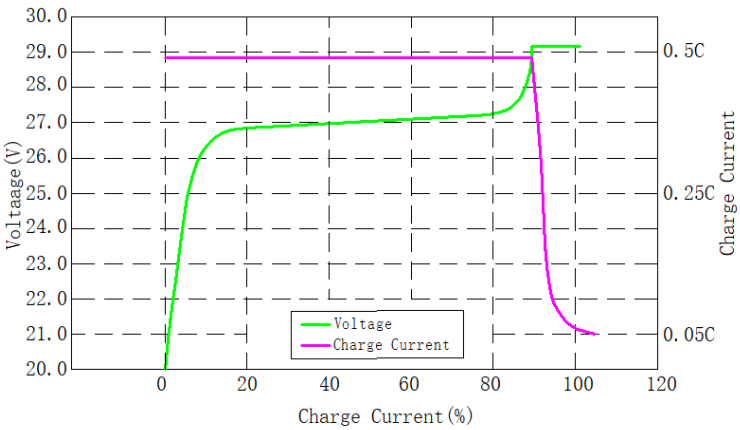
Different Temperature Discharge Curve@0. 5C



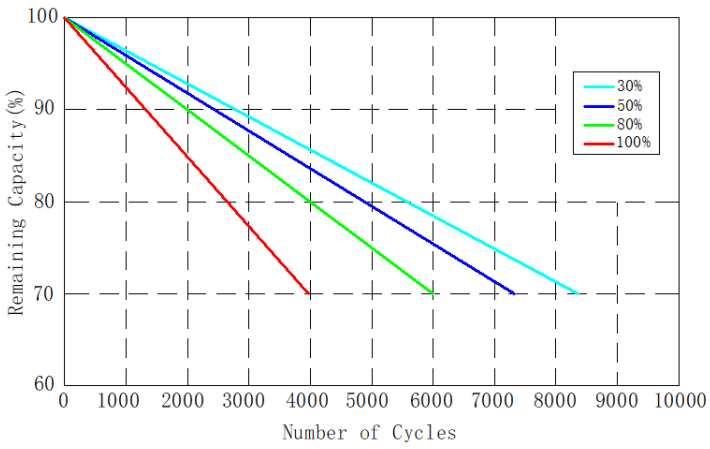
State of Charge Curve@0.5C 25°C



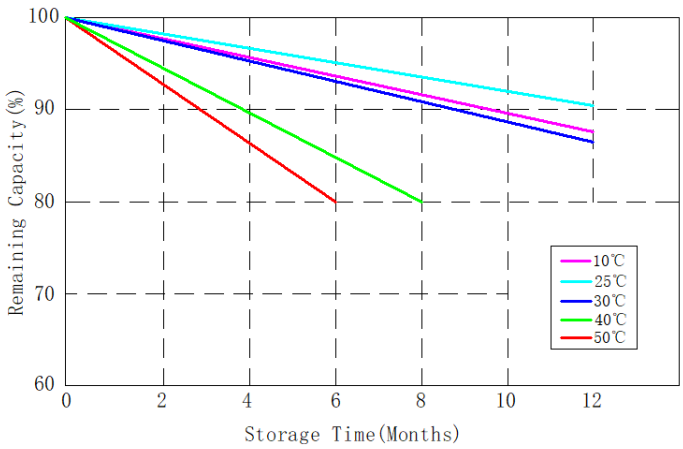
Charging Characteristics @0.5C 25°C



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



Different Temperature Self Discharge Curve



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