

Lithium Iron Phosphate (LiFePO4) Battery

12V6Ah

This series is a complete solution for the Replacement of lead-acid batteries. It can be used in RV, electric mobility, Boat, home storage, backup power, UPS and Solar/wind energy storage system and other fields.

Features:

- Long cycle life
- High energy density
- Higher Power
- Fast charging
- Wider Temperature Range
- Low self-discharge rate
- Automatic protection with internal battery management system
- Support series or parallel connection, Increased Flexibility
- Maintenance free

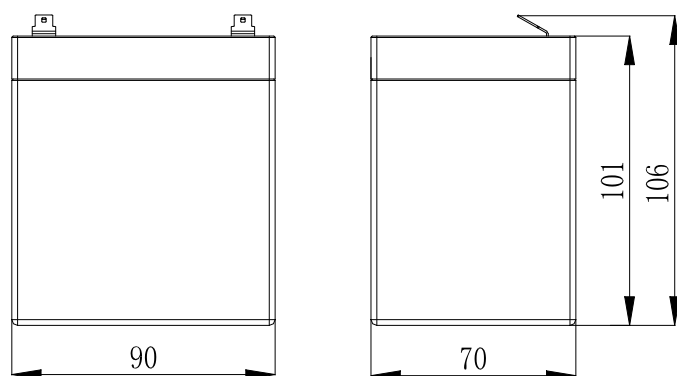
Product renderings:



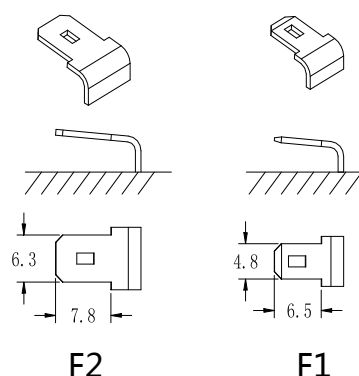
Battery Specifications:

Operating Voltage(V)	10.8~14.6
Nominal voltage(V)	12.8
Nominal Capacity(Ah)	6
Mix. capacity(Ah)	≥5.8
Nominal Energy(Wh)	76.8
Maximum power output(W)	128
Maximum charge voltage(V)	14.6±0.2
Float charge voltage(V)	13.5~13.8
Cut-off voltage(V)	9.6~10.8
Standard charge current(A)	1.2
Recommended charge current(A)	≤3
Allowed Max. charge current(A)	6
Standard discharge current(A)	1.2
Recommended discharge current(A)	≤6
Allowed Max. discharge current(A)	10
Peak discharge current@10S(A)	20
Internal Resistance(mΩ)	≤50
Charging temperature(°C)	0~55
Discharge temperature(°C)	-20~60
Cycles(25°C,0.5C,80%DOD)	>6000
Combination structure of battery	4S1P
Protection class	IP65
System weight(kg)	Approx. 0.7
Product size(L*W*H,mm)	90*70*101
Packing size(L*W*H,mm)	120*100*132

Product dimension (Unit : mm)



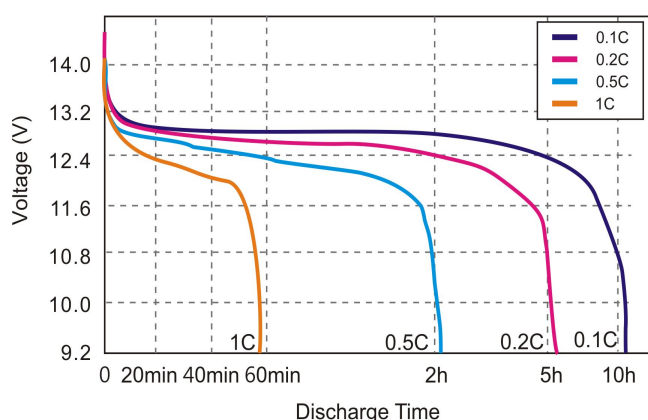
Terminal (Unit : mm):



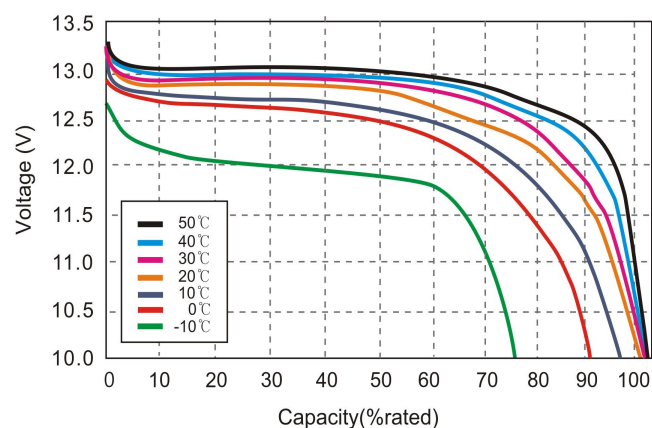
Optional F1 or F2

Battery Curve:

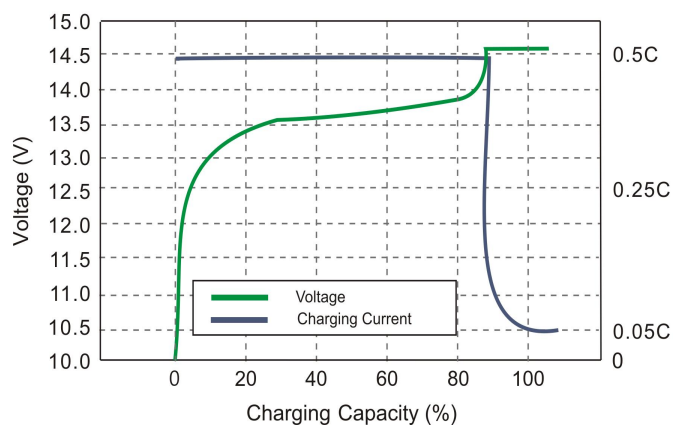
Different Rate Discharge Curve @25°C



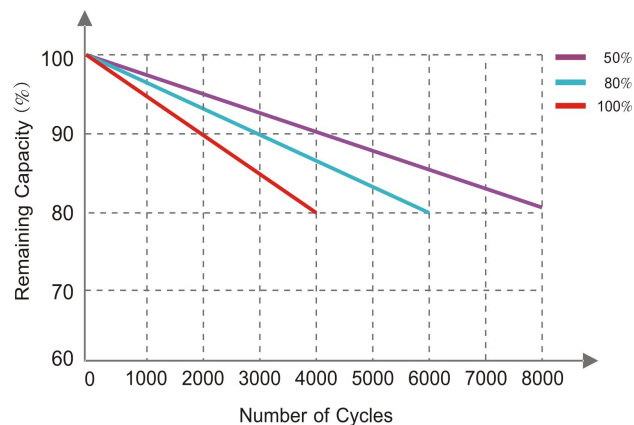
Different Temperature Discharge Curve @0.5C



Charging Characteristics @0.5C 25°C



Different DOD Discharge Cycle Life Curve



With process improvements and product upgrades, the product parameters are subject to change without prior notice

Version : 202309