

# LITHIUM BATTERY

## LifePO4

### Features

- 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.

### Battery Specifications:

Operating Voltage(V)	10.8~14.6
Nominal voltage(V)	12.8
Nominal Capacity(Ah)	100
Mix. capacity(Ah)	≥98
Nominal Energy(Wh)	1280
Maximum power output(W)	1280
Maximum charge voltage(V)	14.6±0.2
Float charge voltage(V)	13.5~13.8
Cut-off voltage(V)	10.8
Standard charge current(A)	20
Recommended charge current(A)	≤50
Allowed Max. charge current(A)	100
Standard discharge current(A)	20
Recommended discharge current(A)	≤100
Allowed Max. discharge current(A)	100
Peak discharge current@10S(A)	200
Internal Resistance(mΩ)	≤10
Charging temperature(°C)	0~55
Discharge temperature(°C)	-20~60
Cycles(25°C,0.5C,80%DOD)	>4000
Combination structure of battery	4S
Protection class	IP65
System weight(kg)	Approx.12
Product size(L*W*H,mm)	328*172*217
Packing size(L*W*H,mm)	400*245*300

12.8V-100Ah

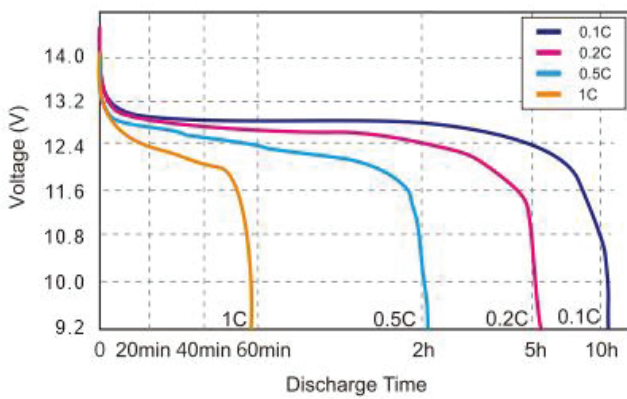


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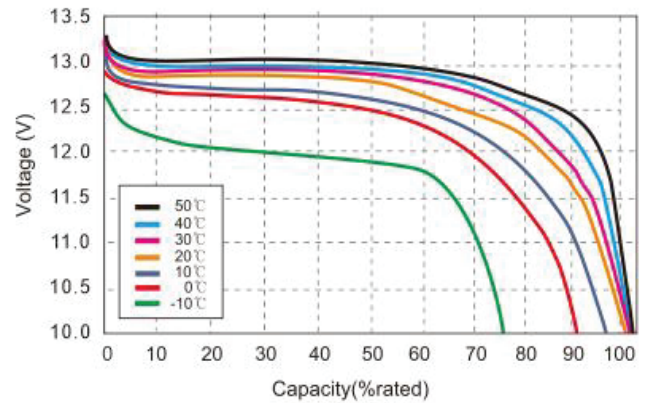
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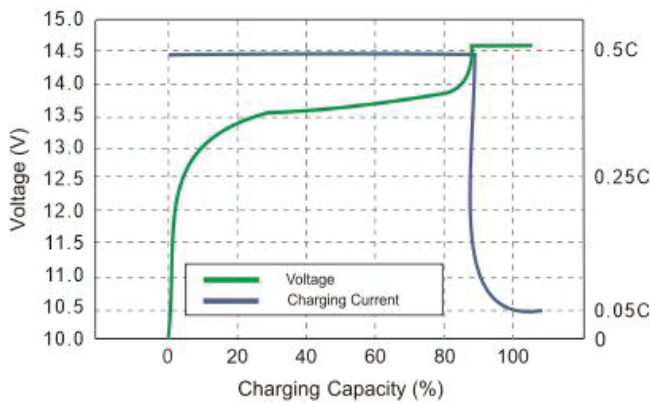
Different Rate Discharge Curve @25°C



Different Temperature Discharge Curve @0.5C



Charging Characteristics @0.5C 25°C



Different DOD Discharge Cycle Life Curve

