

LiFePO₄ RV&Marine Battery

LFP-25.6-100 Lithium Battery



High Cycle Life

6000 cycles @80%DOD,25C for effectively lower total of ownership cost.



Longer Service Life

Low maintenance batteries with stable chemistry.



Built In Circuit Protection

Battery Management System (BMS) is incorporated against abuse.



Better Storage

Up to 6 months thanks to its extremely low self discharge (LSD) rate and no risk of sulphation.



Quickly Recharge

Save time and increase productivity with less down time thanks to superior charge/discharge efficiency.

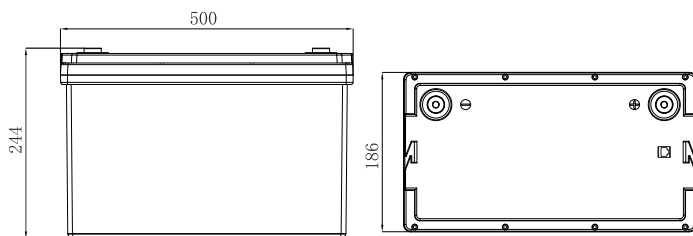


Extreme Heat Tolerance

Suitable for use in a wider range of applications where ambient temperature is unusually high: up to +60°C



Product Dimension Diagram



Unit: mm

Application

- Electric vehicles, electric mobility.
- Solar/wind energy storage system.
- UPS, backup power.
- Telecommunication
- Medical equipment
- Lighting

FC IEC CE UN38.3 MSDS

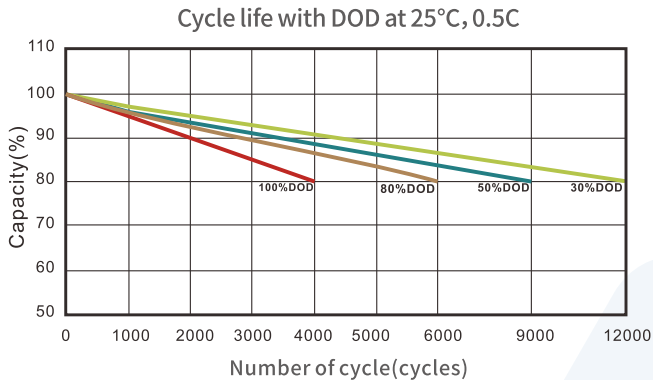
Electrical Characteristics	
Nominal Voltage	25.6V
Nominal Capacity	100Ah (C ₅ ,25°C)
Energy	2560Wh
Internal Resistance	≤10mΩ@50%SOC
Cycle Life	>6000 cycles @0.2C
Months Self Discharge	<3%
Efficiency of Charge	100%@0.5C
Efficiency of Discharge	96-99%@0.5C
Standard Charge	
Charge Mode	0.2C to 29.2V, then 29.2V, charge to current till 0.02C(CC/CV)
Continuous Current	100A
Recom. Charge Current	50A
Max. Charge Current	100A
Charge Cut-off Voltage	29.2V±0.2V
Standard Discharge	
Continuous Current	100A
Recom. Discharge Current	50A
Max. Discharge Current	100A
Discharge Cut-off Voltage	20V
Environmental	
Charge Temperature	0 °C to 45 °C (32°F to 113°F) @60±25% Relative Humidity
Discharge Temperature	-20 °C to 60 °C (-4°F to 140°F) @60±25% Relative Humidity
Storage Temperature	0 °C to 40 °C (32°F to 104°F) @60±25% Relative Humidity
Water Dust Resistance	IP65
Mechanical	
Cell & Method	3.2V100AH-8S1P
Case	ABS
Dimensions (in./mm.)	500x186x244(Package:550x220x305)
Weight (lbs./kg.)	N.W.: 21.5Kg/G.W.: 22Kg
Terminal	100A Connector
Communication	bluetooth (optional)
BMS	8S100A
Parallel	Up to 2 units

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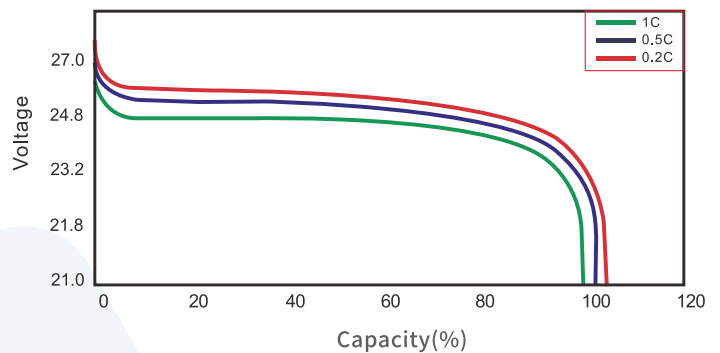
LFP-25.6-200 Lithium Battery

» Model Performance Diagrams

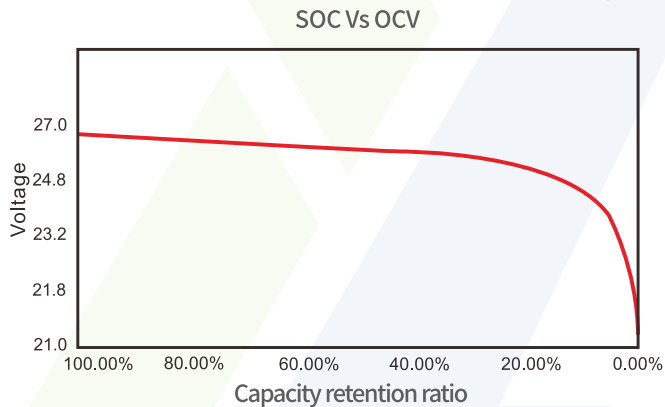
Number of Cycles Vs. DOD



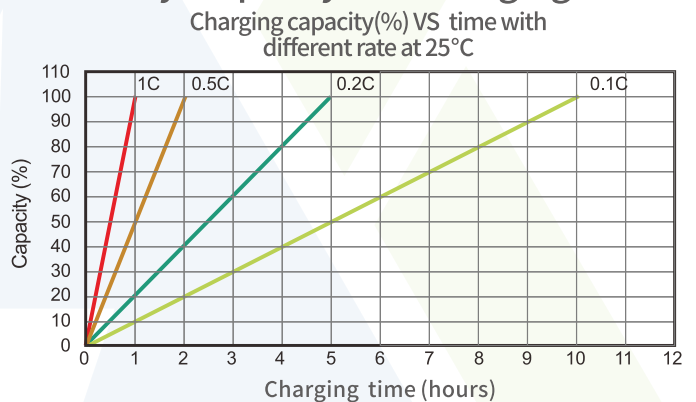
Discharge Performance at R.T.



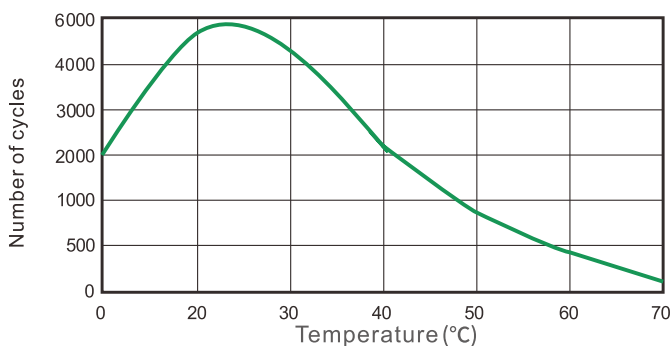
Battery Capacity (C) VS. Open Circuit Voltage (OCV)



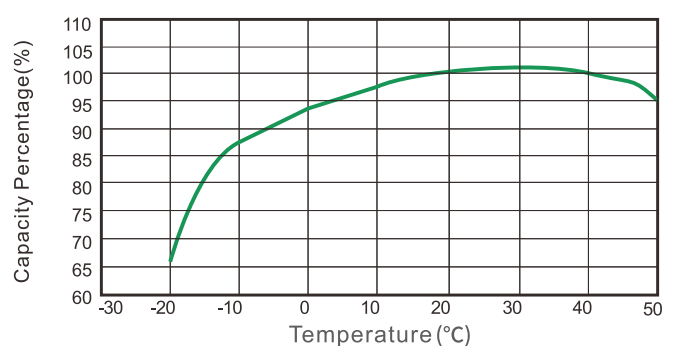
Battery Capacity Vs. Charging Time



Cycle Life in Relation to Temperature



Temperature Effects on Capacity



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