Technical Data Sheet

6 V 240 Ah LiFePO4 Lithium Battery



Reference | B12240L

Technical Specifications

Product Reference: B12240L
Technology: Lithium Iron Phosphate
Nominal Voltage: 12.8 V
Minimum Capacity: 240 Ah
Energy: 3,113 Wh
Charging Voltage: 14.6 V
Standard Charge Current: 120 A
Fast Charge Current: 150 A
Continuous Discharge Current: 150 A
Pulse Discharge Current: 200 A (3 s)
Self-Discharge: < 3% / month
Operating Temperature: -20 °C to +60 °C
Charging Temperature: 0 °C to +45 °C
Cycle Life: 2,000 at 1C, 100% DOD

Battery Management by BMS

- Short-circuit protection
- Overcharge protection: 650 A ± 30 A
- Deep-discharge protection: voltage < 8 V
- High-temperature protection: > 65 °C
- Protection disconnects the battery; reconnection is automatic
- Cell balancing

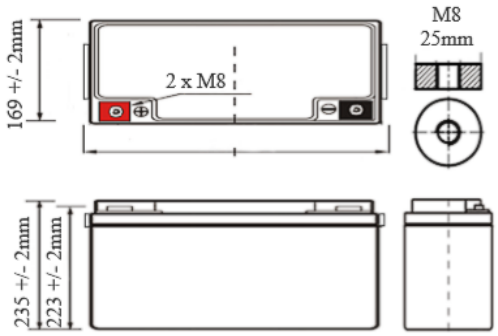
Connection

M8 screw terminals

Weight: 26.5 kg
Dimensions: 480 (L) × 170 (W) × 235 (H) mm

IP51 (protection against vertically falling water drops)

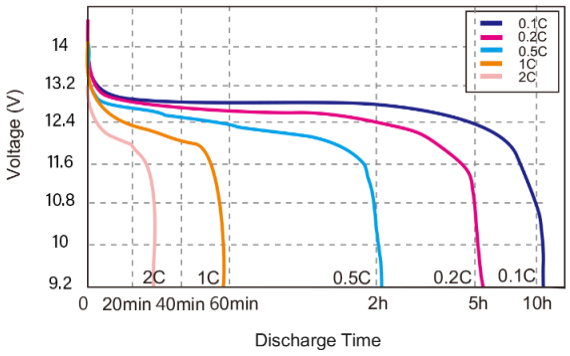
CE RoHS Compliant UN38.3 PASSED Transport Safety Certified



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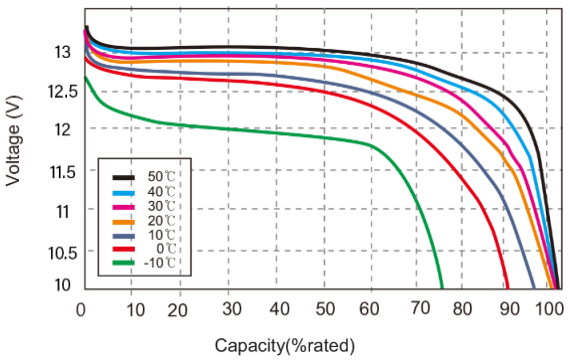
Different Rate Discharge Curve

Different Rate Discharge Curve @25℃



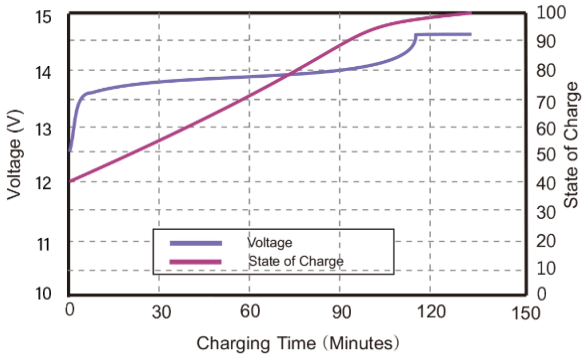
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



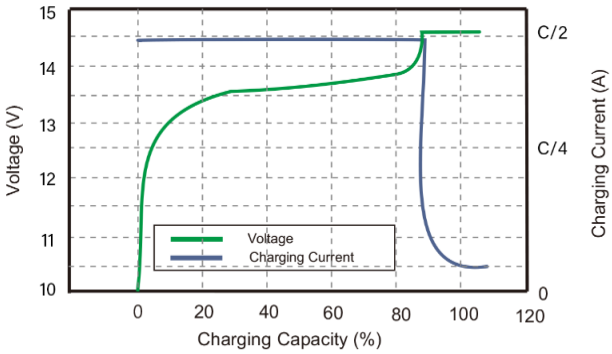
State of Charge Curve

State of Charge Curve @0.5C 25℃



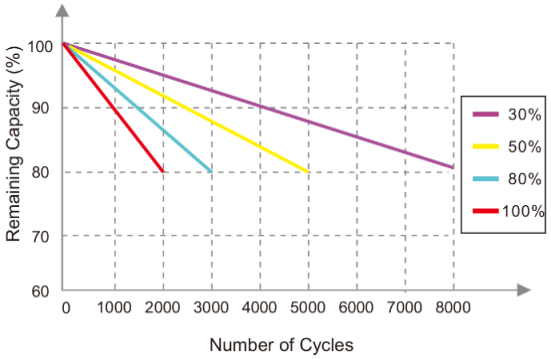
Charging Characteristics

Charging Characteristics @0.5C 25℃



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

