Technical Data Sheet

24 V 121 Ah LiFePO4 Lithium Battery



Reference | B24121L

Technical Specifications

Product reference: B24121L
Technology: Lithium Iron Phosphate
Nominal voltage: 25.6 V
Minimum capacity: 121 Ah
Energy: 3,113 Wh
Charging voltage: 29.2 V
Standard charging current: 60 A
Fast charging current: 100 A
Continuous discharge current: 100 A
Pulse discharge current: 150 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 System (BMS)

- Short-circuit protection
- Overcharge protection (350 A ± 50 A)
- Deep-discharge protection
- Battery cut-off below 18 V
- Overtemperature protection
- Battery cut-off above 65°C
- Automatic reconnection after protection cut-off
- Cell balancing

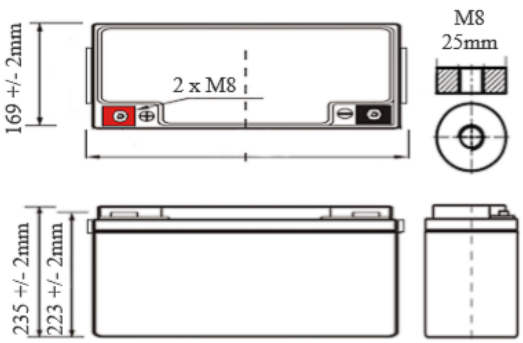
Connection

M8 screw terminals

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

IP51 (protection against vertically falling water drops)

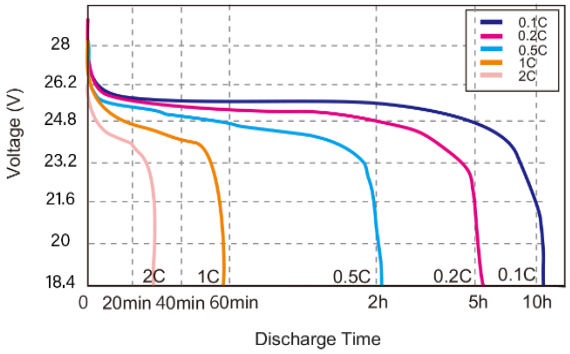
RoHS Compliant
UN38.3 PASSED
Transport Safety Certified



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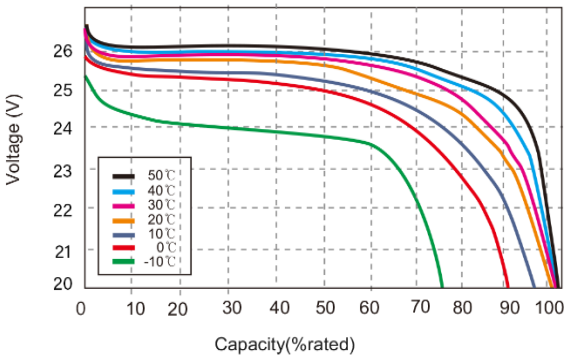
Different Rate Discharge Curve

Different Rate Discharge Curve @25℃



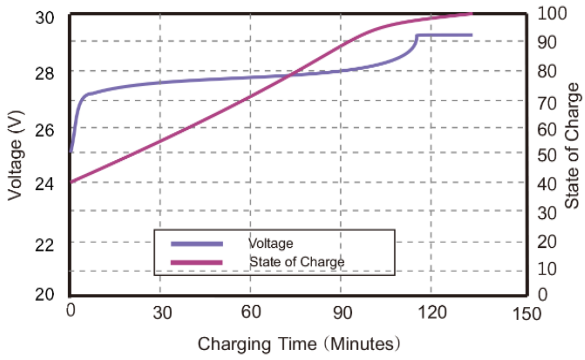
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



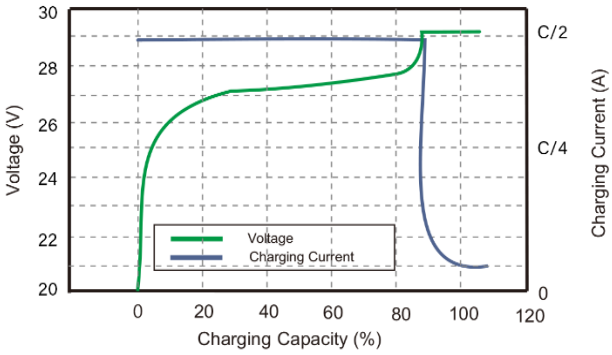
State of Charge Curve

State of Charge Curve @0.5C 25℃



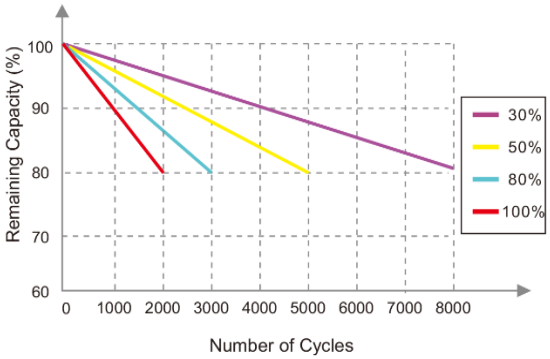
Charging Characteristics

Charging Characteristics @0.5C 25℃



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

