Technical Data Sheet

48 V 60 Ah LiFePO4 Lithium Battery



Reference | B48060L

Technical Specifications

Product Reference: B48060L
Technology: Lithium Iron Phosphate
Nominal Voltage: 51.2 V
Minimum Capacity: 57 Ah
Energy: 2,918 Wh
Charging Voltage: 57.6 V
Standard Charging Current: 20 A
Fast Charging Current: 30 A
Continuous Discharge Current: 60 A
Pulse Discharge Current: 90 A (3 s)
Self-discharge: <3% per month
Operating Temperature: -20°C to +60°C
Charging Temperature: 0°C to +45°C
Cycle Life: 2,000 cycles at 1C (100% DOD)

Battery Management System (BMS)

· Short-circuit protection
· Overcharge protection: 100 A ±20 A
· Deep-discharge protection: voltage <18 V
· Overtemperature protection: >65°C
· Battery disconnects for protection; automatic reconnection
· Cell balancing

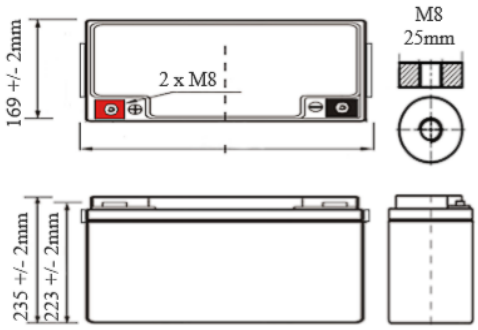
Connection

M8 terminal bolts

Weight: 27 kg
Dimensions: 480 × 170 × 235 mm

IP51: protection against vertically falling water drops

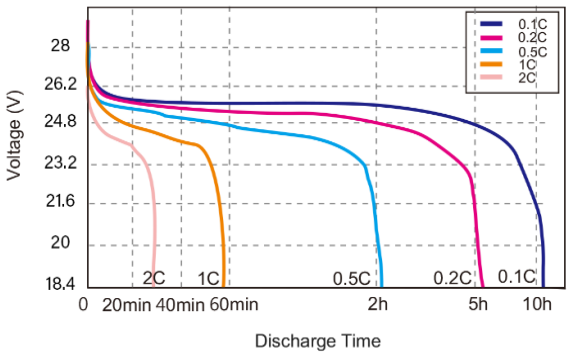
RoHS Compliant
UN38.3 PASSED
Transport Safety Certified



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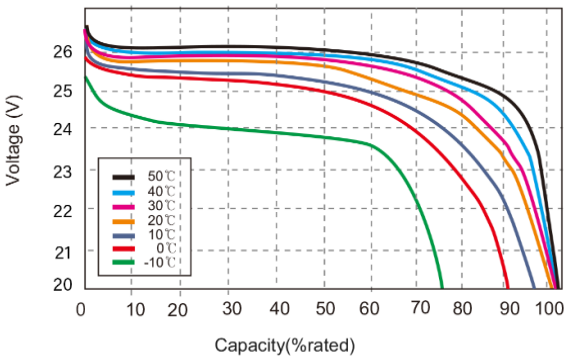
Different Rate Discharge Curve

Different Rate Discharge Curve @25℃



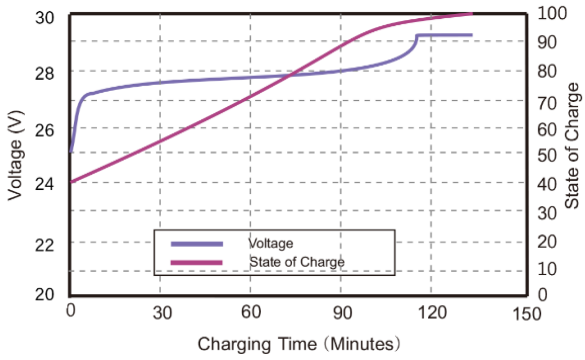
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



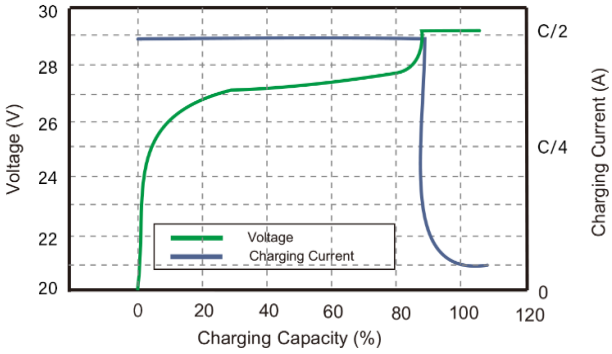
State of Charge Curve

State of Charge Curve @0.5C 25℃



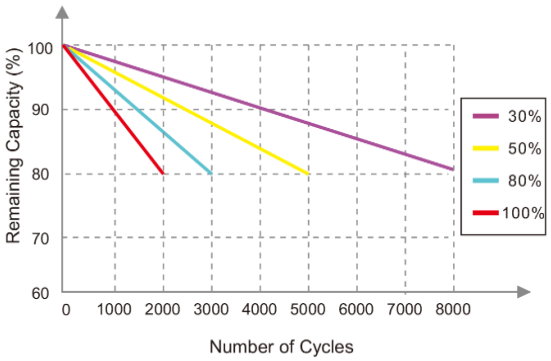
Charging Characteristics

Charging Characteristics @0.5C 25℃



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

