Technical Data Sheet

24 V 15 Ah LiFePO4 Lithium Battery



Reference | B24015L

BMS Battery Management

- ✓ Short-circuit protection
- ✓ Overcharge protection: 80 A ± 10 A
- ✓ Deep-discharge protection: voltage < 18 V
- ✓ Overtemperature protection: > 65°C
- ✓ Protection shuts down the battery and
- ✓ automatically reconnects it
- ✓ Cell balancing

Technical Specifications

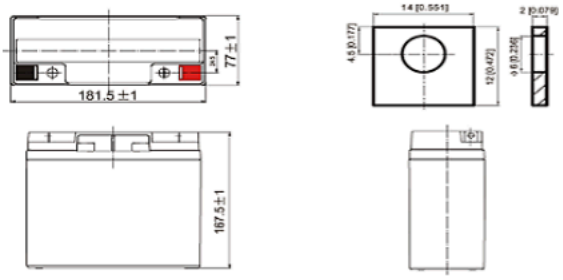
Product Reference: B24015L
Technology: Lithium Iron Phosphate
Nominal Voltage: 25.6 V
Minimum Capacity: 15 Ah
Energy: 256 Wh
Charging Voltage: 29.2 V
Standard Charging Current: 8 A
Fast Charging Current: 15 A
Continuous Discharge Current: 20 A
Pulse Discharge Current: 40 A (3 s)
Self-Discharge: < 3% / month
Operating Temperature: -20°C to 60°C
Charging Temperature: 0°C to 45°C
Cycle Life: 2,000 at 1C, 100% DOD

Connection

Terminal: M6 screw

Weight: 3.6 kg
Dimensions: 182 (L) × 77 (W) × 168 (H) mm

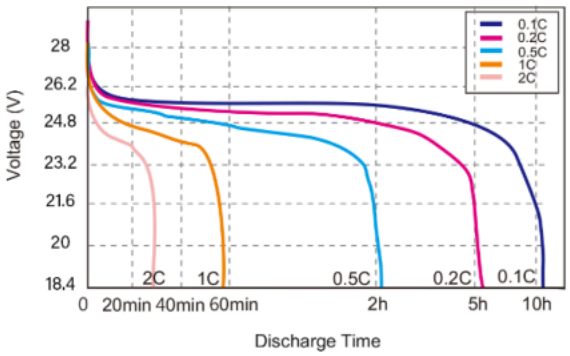
IP40 (no protection against falling water droplets)



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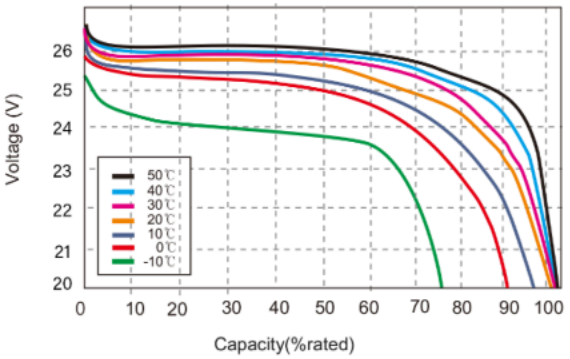
Different Rate Discharge Curve

Different Rate Discharge Curve @25℃



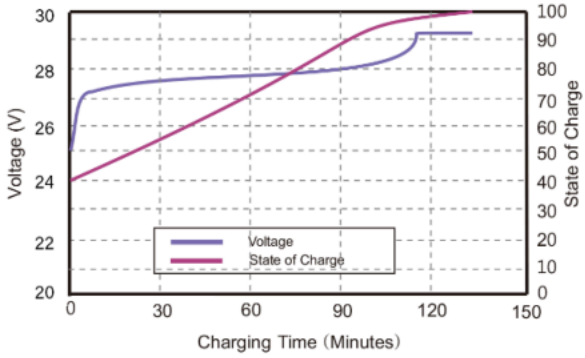
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



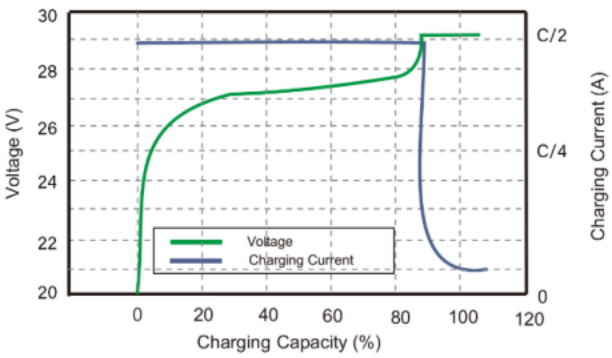
State of Charge Curve

State of Charge Curve @0.5C 25℃



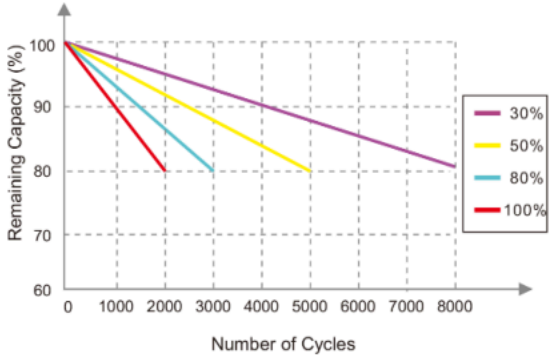
Charging Characteristics

Charging Characteristics @0.5C 25℃



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

