Technical Data Sheet

24 V 20 Ah LiFePO4 Lithium Battery



Reference | B24020

Technical Specifications

Product reference: B24020
Chemistry: Lithium Iron Phosphate
Nominal voltage: 25.6 V
Minimum capacity: 20 Ah
Energy: 573 Wh
Charging voltage: 29.2 V
Standard charge current: 10 A
Fast charge current: 20 A
Continuous discharge current: 30 A
Pulse discharge current: 40 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 at 1C / 100% DoD

Battery Management System (BMS)

- Short-circuit protection
- Overcharge protection: 90 A ± 10 A
- Deep discharge protection
  Voltage < 18 V
- High-temperature protection
  Temperature > 65°C
- Battery cut-off for protection,
  with automatic reconnection
- Cell balancing

Connection

M6 screw terminals

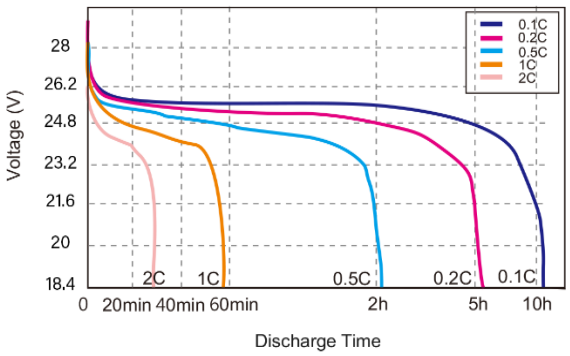
Weight: 5.4 kg
Dimensions: 191 (L) x 134 (W) x 170 (H) mm

IP50 (no protection against water)

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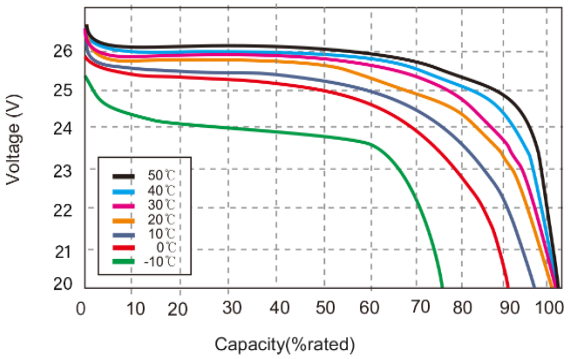
Different Rate Discharge Curve

Different Rate Discharge Curve @25℃



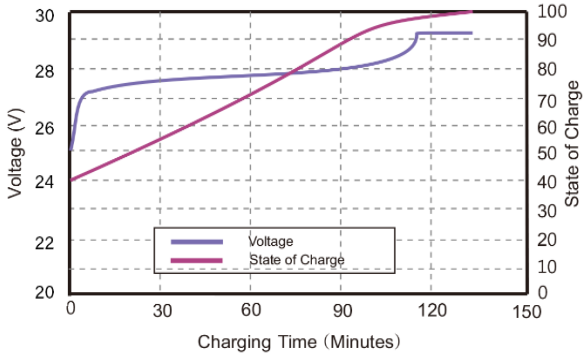
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



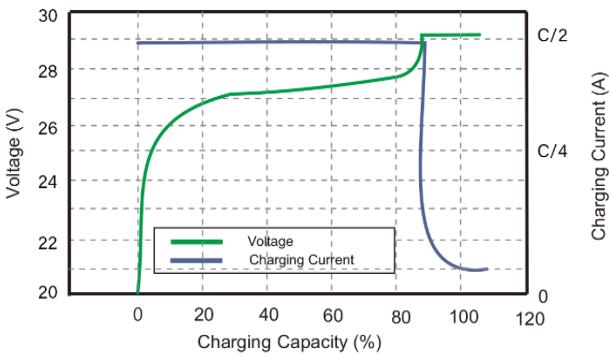
State of Charge Curve

State of Charge Curve @0.5C 25℃



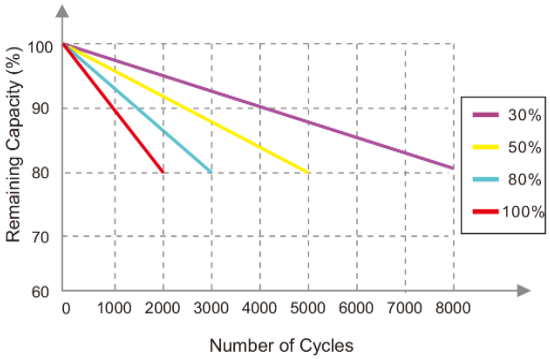
Charging Characteristics

Charging Characteristics @0.5C 25℃



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

