Technical Data Sheet

24 V 7.2 Ah LiFePO4 Lithium Battery



Reference | B24007

Technical Specifications

Product reference:	B24007
Technology:	Lithium Iron Phosphate
Nominal voltage:	25.6 V
Minimum capacity:	7.2 Ah
Energy:	184 Wh
Charging voltage:	29.2 V
Standard charge current:	3 A
Fast charge current:	7 A
Continuous discharge current:	20 A
Pulse discharge current:	25 A (3 s)
Self-discharge:	< 3% per month
Operating temperature:	-20 to +60 deg C
Charging temperature:	0 to +45 deg C
Cycle life:	2,000 at 1C / 100% DOD

BMS Battery Management

- Short-circuit protection
- Overcharge protection: 55 A +/- 15 A
- Deep-discharge protection below 18 V
- High-temperature protection above 65 deg C
- Battery disconnects if protection is triggered and reconnects automatically
- Cell balancing

Connection

6.3 mm spade terminals

Weight: 1.8 kg

Dimensions: 150 (L) x 95 (W) x 98 (H) mm

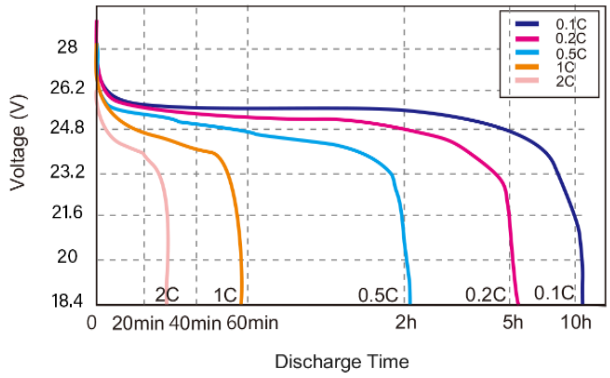
IP51: protection against vertically falling water drops

CE RoHS Compliant UN38.3 PASSED Transport Safety Certified

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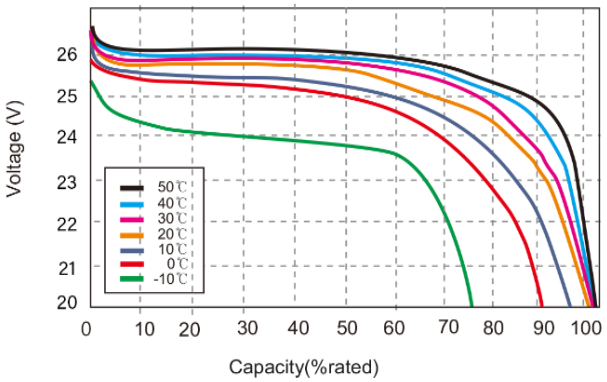
Different Rate Discharge Curve

Different Rate Discharge Curve @25℃



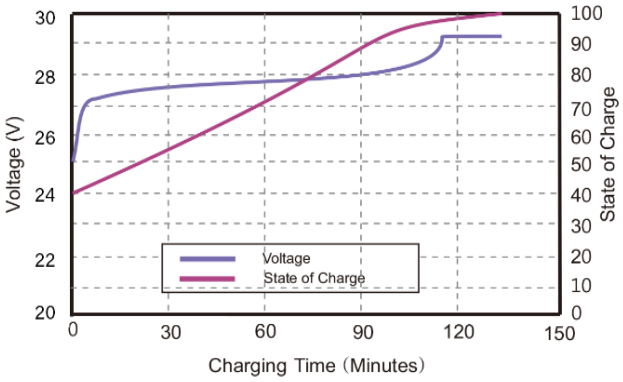
Different Temperature Discharge Curve

Different Temperature Discharge Curve @0.5C



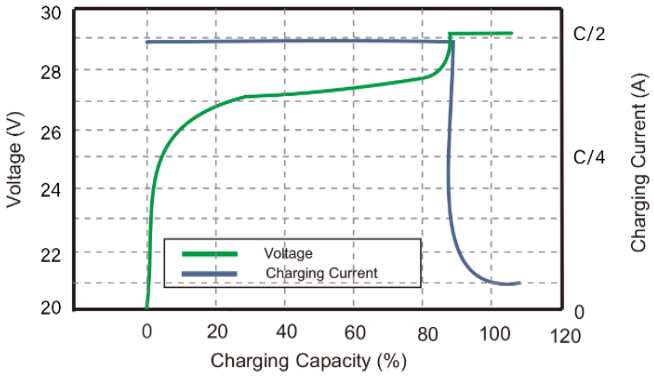
State of Charge Curve

State of Charge Curve @0.5C 25℃



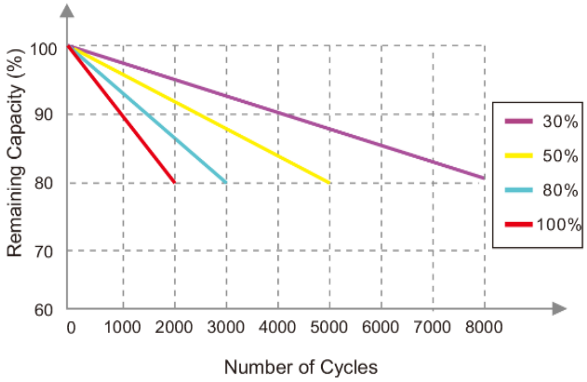
Charging Characteristics

Charging Characteristics @0.5C 25℃



Cycle Life Curve

Different DOD Discharge Cycle Life Curve @1C



Self Discharge Characteristics Curve

Different Temperature Self Discharge Curve

