Technical Data Sheet

25 V 80 Ah NMC Lithium Battery



Reference | B25080N

Technical Specifications

Product reference: B25080N
Technology: Nickel Manganese Cobalt
Nominal voltage: 25.2 V
Minimum capacity: 80 Ah
Energy: 2,016 Wh
Charging voltage: 29.4 V
Standard charging current: 20 A
Fast charging current: 40 A
Continuous discharge current: 80 A
Pulse discharge current: 120 A (3 s)
Self-discharge: <3% per month
Operating temperature: -20°C to +60°C
Charging temperature: 0°C to +45°C
Cycle life: 1,000 at 1C, 100% DOD

Battery Management System (BMS)

- Short-circuit protection
- Overcharge protection: 250 A ±10 A
- Deep-discharge protection: voltage <8 V
- High-temperature protection: >65°C
- Battery cut-off protection; automatic restart
- Cell balancing

Connection

M6 screw terminals

Weight: 12.5 kg

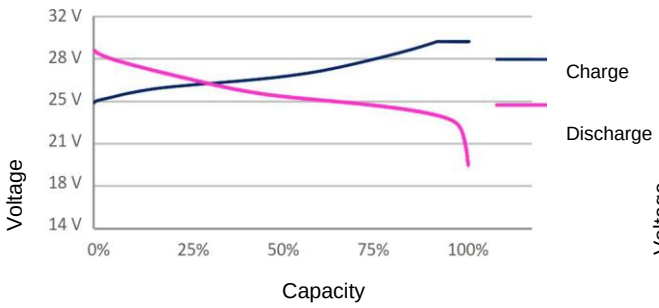
Dimensions: 259 (L) x 168 (W) x 214 (H) mm

IP64 (protection against splashing water)

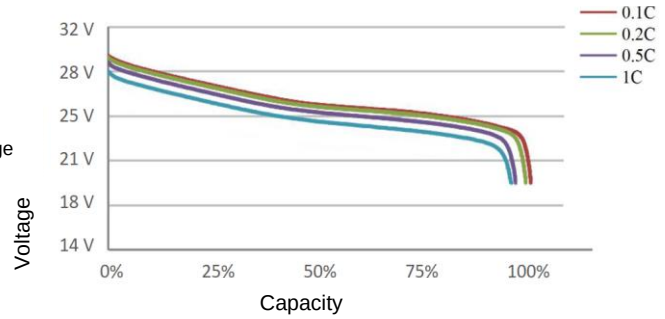
CE RoHS Compliant UN38.3 PASSED Transport Safety Certified

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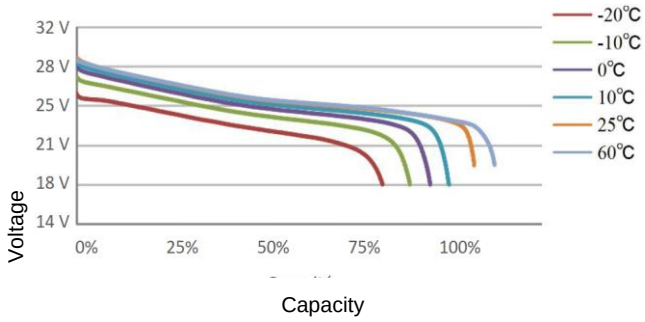
Charge and discharge at 0.5C



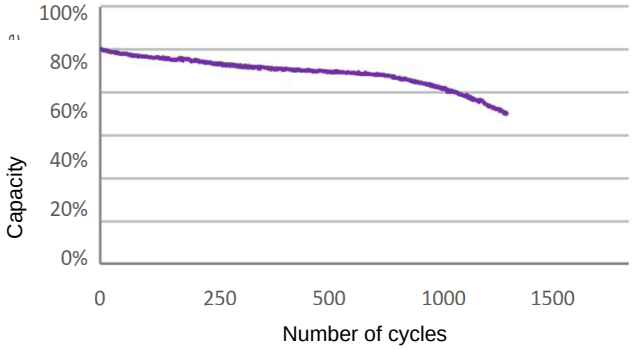
Discharge at different currents



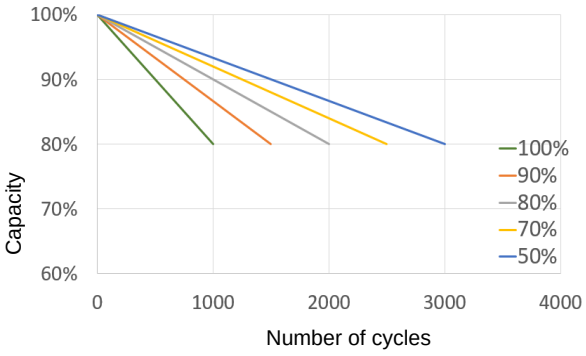
Discharge at different temperatures



Cycle life at 100% DOD



Cycle life by DOD



Self-discharge by storage temperature

