SOLiSE

Technical Data Sheet

25 V 100 Ah NMC Lithium Battery



Reference | B25100N

Technical Specifications

Product reference: B25100N
Technology: Nickel Manganese Cobalt (NMC)
Nominal voltage: 25.2 V
Minimum capacity: 100 Ah
Energy: 2,520 Wh
Charging voltage: 29.4 V
Standard charging current: 25 A
Fast charging current: 50 A
Continuous discharge current: 100 A
Pulse discharge current: 150 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: 200 A ± 20 A
- ✓ Deep-discharge protection: voltage <18 V
- ✓ Overtemperature protection: >65°C
- ✓ Battery disconnects for protection and reconnects automatically
- ✓ Cell balancing

Connection

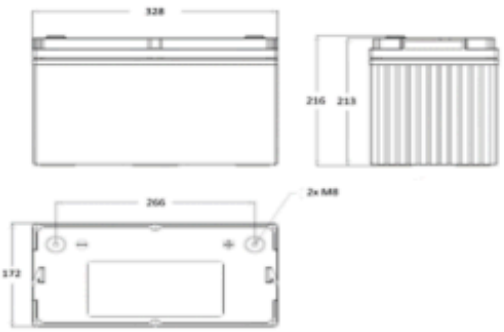
M8 screw terminals

Weight: 15.6 kg

Dimensions: 328 (L) × 173 (W) × 212 (H) mm

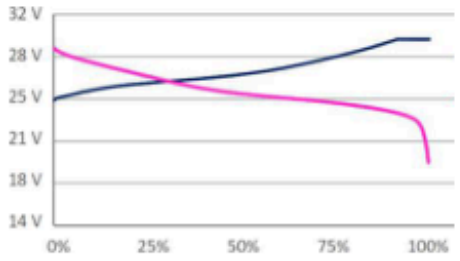
IP51 (protection against vertically falling water drops)

CE RoHS Compliant UN38.3 PASSED Transport Safety Certified



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Charge and discharge at 0.5C

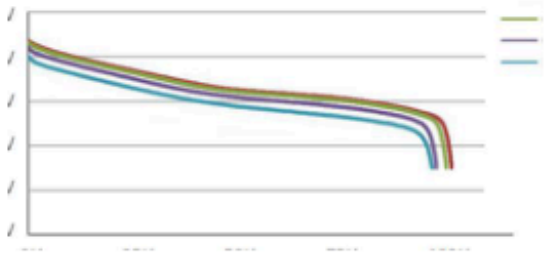


Capacity (%)

Voltage (V)

Blue: charge
Pink: discharge

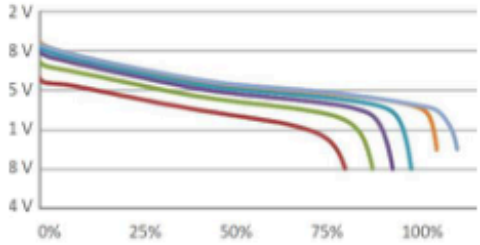
Discharge at different rates



Capacity (%)

Voltage (V)

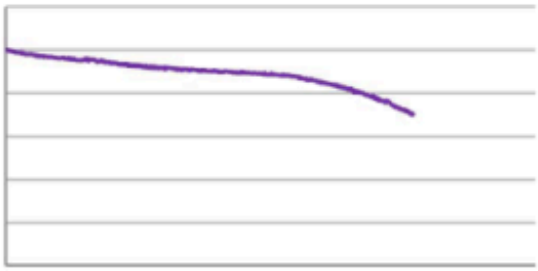
Discharge at different temperatures



Capacity (%)

Voltage (V)

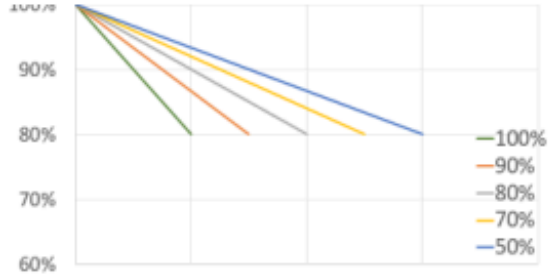
Cycle life at 100% DOD



Number of cycles

Remaining capacity (%)

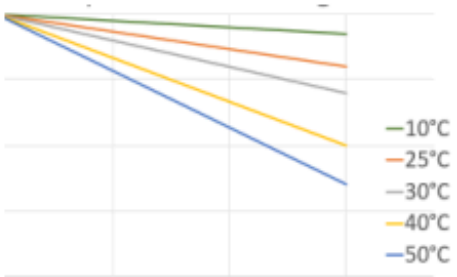
Cycle life by depth of discharge



Number of cycles

Remaining capacity (%)

Self-discharge during storage



Storage time (months)

Capacity (%)