Technical Data Sheet

25 V 35 Ah NMC Lithium Battery



Reference | B25035N

Technical Specifications

Product reference: B25035N
Technology: Nickel Manganese Cobalt
Nominal voltage: 25.2 V
Minimum capacity: 35 Ah
Energy: 1008 Wh
Charging voltage: 29.4 V
Standard charge current: 8.5 A
Fast charge current: 17 A
Continuous discharge: 50 A
Pulse discharge: 75 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: 160 A ± 40 A
- ✓ Deep-discharge protection (< 18 V)
- ✓ Overtemperature protection (> 65°C)
- ✓ Battery cut-off and automatic reconnection
- ✓ Cell balancing

Connection

M6 screw terminals

Weight: 5.5 kg

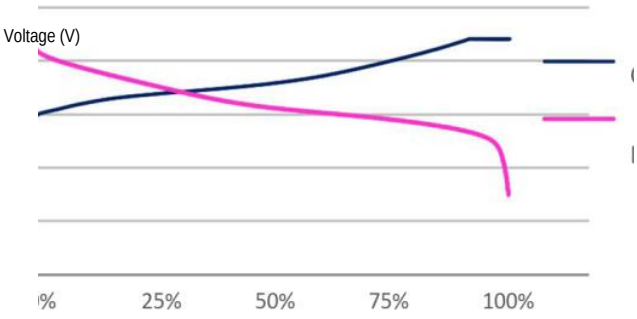
Dimensions: 191 (L) × 134 (W) × 170 (H) mm

IP50 (no protection against water ingress)

CE RoHS Compliant UN38.3 PASSED Transport Safety Certified

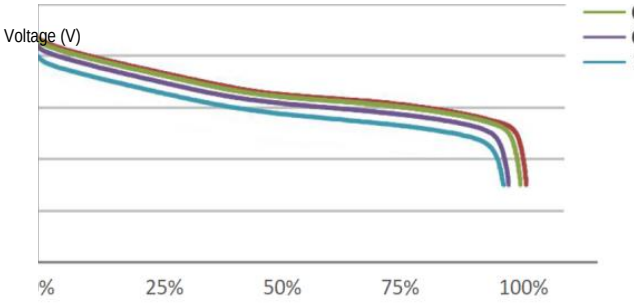
Technical Data Sheet

Charge / discharge at 0.5C



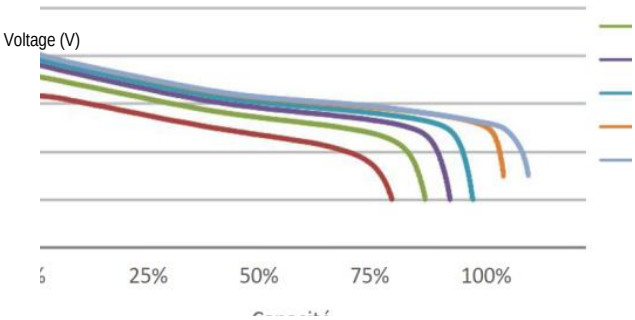
Capacity (%)

Discharge at different rates



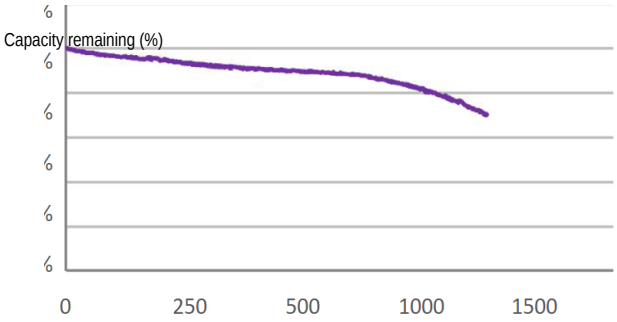
Capacity (%)

Discharge at different temperatures



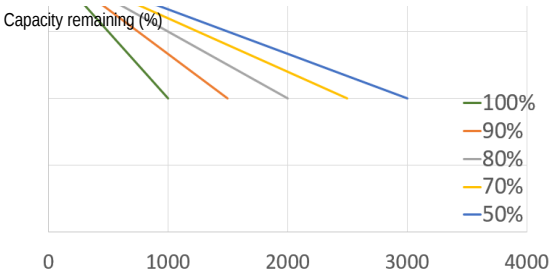
Capacity (%)

Cycle life at 100% DOD



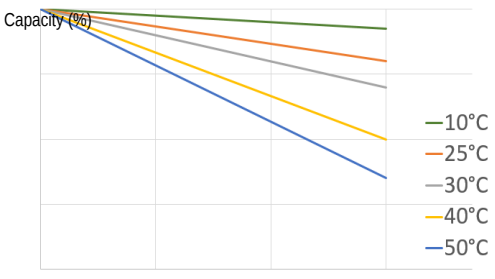
Number of cycles

Cycle life at different DOD



Number of cycles

Self-discharge by storage temperature



Storage time (months)

Chart terminology: Charge / Discharge · DOD = Depth of Discharge

Charts, scales and plotted data are reproduced from the original French datasheet.