Technical Data Sheet

NMC Lithium Battery 25 V 15 Ah



Reference | SP25013S3

Technical Specifications

Product reference: SP25013S3
Technology: Nickel Manganese Cobalt
Nominal voltage: 25.2 V
Minimum capacity: 15 Ah
Energy: 375 Wh
Charging voltage: 29.4 V
Standard charge current: 5 A
Fast charge current: 7 A
Continuous discharge: 25 A
Pulse discharge: 30 A (1 s)
Self-discharge: <3% / month
Operating temperature: -20°C to 60°C
Charging temperature: 0°C to 45°C
Cycle life: 800 at 0.5C, 100% DOD

Battery Management System (BMS)

- ✓ Short-circuit protection
- ✓ Overcharge protection: 40 A ± 10 A
- ✓ Deep-discharge protection: voltage <18 V
- ✓ Overtemperature protection: >65°C
- ✓ Battery disconnection with automatic reconnection
- ✓ Cell balancing

Connection

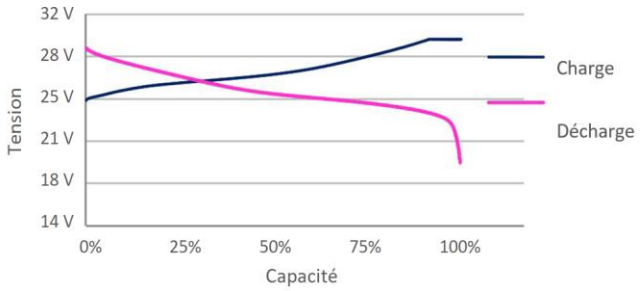
2 wires, 200 mm long

Weight: 2.1 kg
Dimensions: 174 (L) × 149 (W) × 54 (H) mm

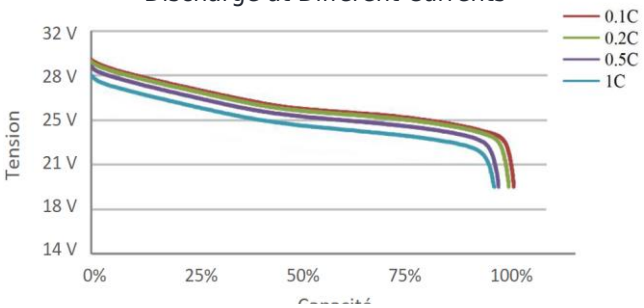
IP50 (no protection against water)

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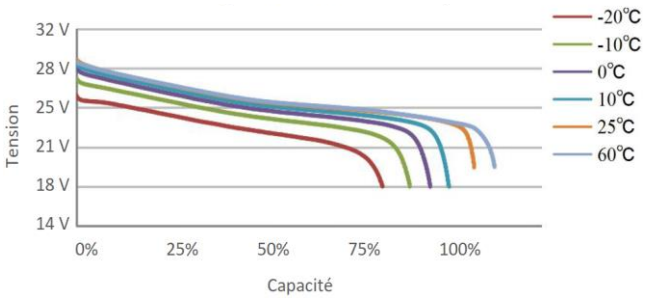
Charge and Discharge at 0.5C



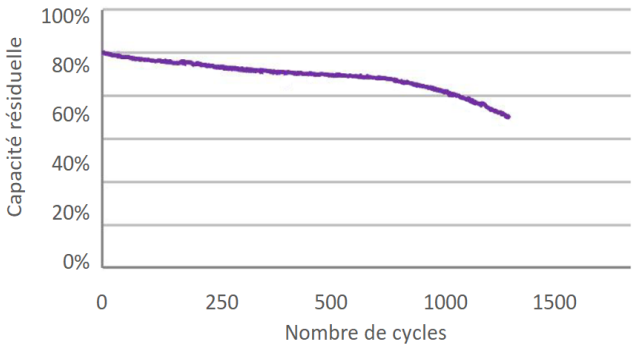
Discharge at Different Currents



Discharge at Different Temperatures

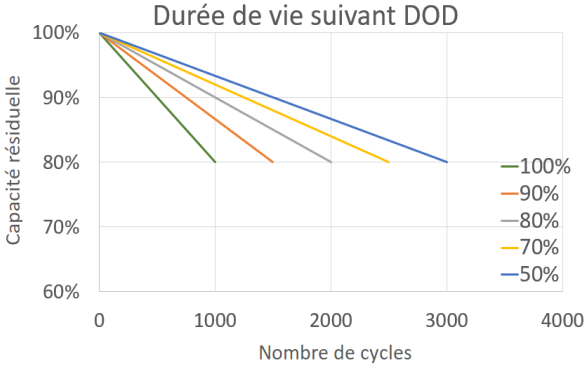


Cycle Life at 100% DOD



Cycle Life by DOD

Durée de vie suivant DOD



Self-Discharge by Storage Temperature

Autodécharge suivant température de stockage

