



SPECIFICATIONS

Hobby High Drain Lithium-ion Cell

NMC18650-24HB

Features

- NMC-High-Drain™ Tech
- Ultra High Specific Power
- High Specific Energy
- Ultra Long Cycle Life**
- High Reliability
- High Safety
- Hobby Class

Applications

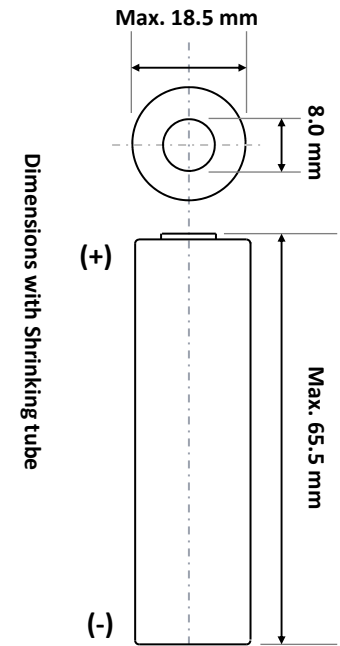
- Vape MODs (up to 220W)
- High Drain Power Tools
- High Drain Garden Tools
- Cordless Vacuum Cleaners
- Home Robots
- RC Model Trucks & Trains
- RC Model Boats

Specifications*

Nominal Capacity	Discharge at 25 °C at 25 °C, 15 A at 25 °C, 25 A at 25 °C, 30 A	2.2 Ah (Minimum) 2.4 Ah (typical) 2.5 Ah (Typical) 2.4 Ah (Typical)
Lifetime Capacity	Watch chart below	2,640 Ah (Typical)**
Nominal Voltage	Discharge average	3.7 V
Charging	CC-CV, 4.2 V, 48 mA cut-off	1.0 A (Standard) 4.0 A (Rapid)
Discharging	2.5 V cut-off	30 A (Max. Cont.)
Battery Body Temperature	Charge Discharge Storage	0 ~ 45 °C -20 ~ 60 °C -20 ~ 45 °C
Weight	Average	42.9 g ± 5%

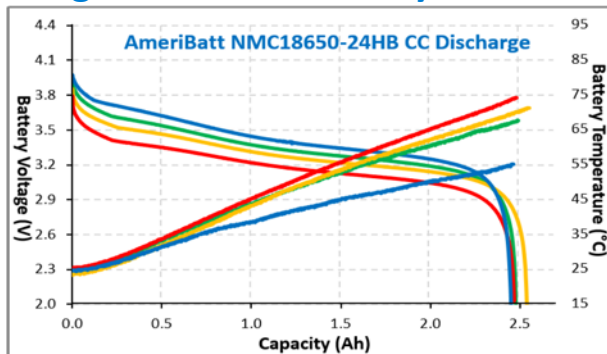
* All test data are averaging with 5 samples obtained from 3 month inventory.
 ** 1,520 Ah capacity is typically delivered as a power cell; another 1,120 Ah can still be exploited as an energy cell.

Dimensions



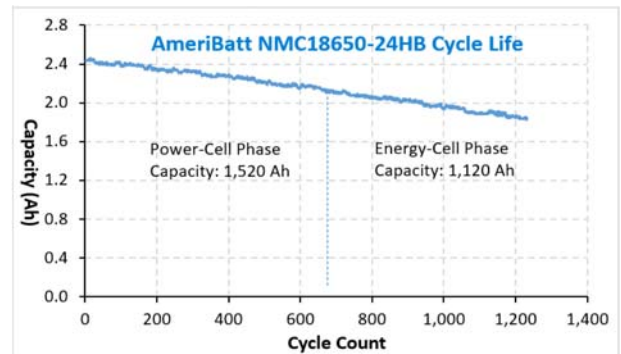
For reference only

Discharge Characteristics by Current



Charge: CC 1 A/ CV 4.20 V 48 mA cut-off, Ta = 25 °C
 Discharge: CC 15A/ 20A/ 25A/ 30A, 2.0 V cut-off, Ta = 25 °C

Cycle Life Characteristics



Charge: CC 1 A/ CV 4.20 V 48 mA cut-off, Ta = 25 °C
 Discharge: CC 20A, 2.5 V cut-off, Ta = 25 °C

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