



SPECIFICATIONS

Ultra Long Life Lithium-ion Cell

NMC18650-25PL4

Features

- Ultra high lifetime capacity**
- High Specific Power
- High Specific Energy
- High Reliability
- High Safety
- Automotive Class

Applications

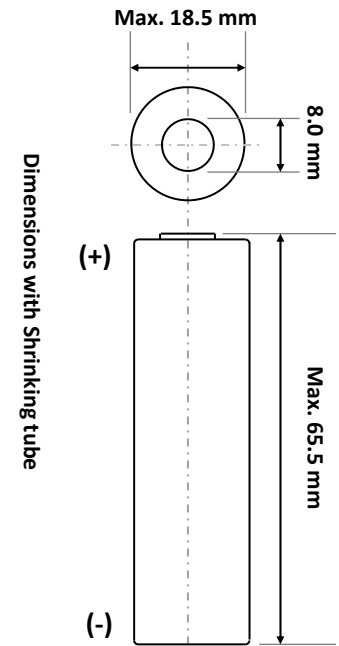
- Durable EV, HEV, PHEV
- Durable e-Moped, eBike
- Reliable e-Wheelchair
- Sturdy electrical golf cart
- Portable Motorized Medical Equipment
- Long Life High Power Energy Storage System

Specifications*

Nominal Capacity	Discharge at 25 °C at 25 °C, 2.5 A at 25 °C, 10 A	2.4 Ah (Minimum) 2.5 Ah (Typical) 2.7 Ah (Typical)
Lifetime Capacity	Watch chart below	4,360 Ah (Typical)**
Nominal Voltage	Discharge average	3.7 V
Charging	CC-CV, 4.2 V, 50 mA cut-off	0.5C (Standard) 1.0C (Rapid)
Discharging	2.5 V cut-off	10 A (Max. Cont.)
Battery Body Temperature	Charge Discharge Storage	0 ~ 45 °C -20 ~ 60 °C -20 ~ 45 °C
Weight	Average	45.0 g ± 5%

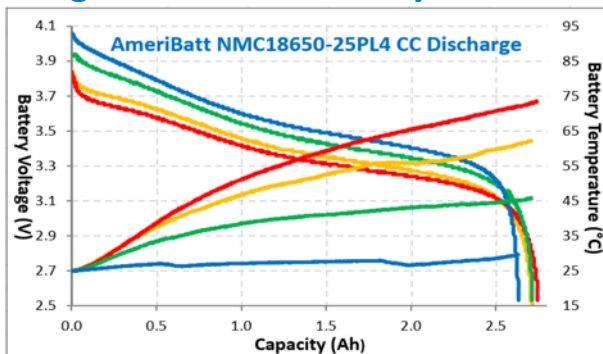
* All test data are averaging with 5 samples obtained from 3 month inventory.
**2,520 Ah capacity is typically delivered as a power cell; another 1,840 Ah can still be exploited as an energy cell.

Dimensions



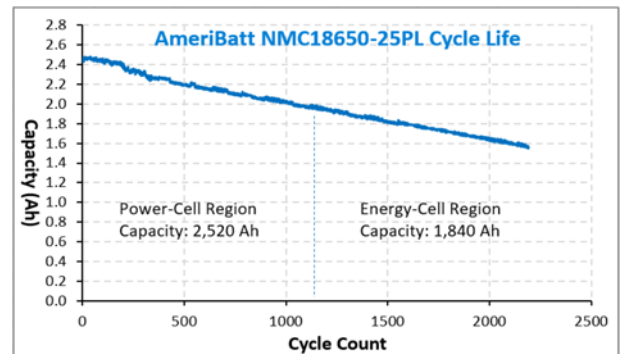
For reference only

Discharge Characteristics by Current



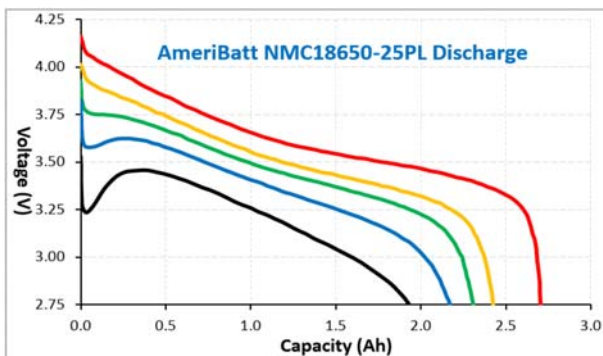
Charge: CC/CV, 0.5C/ 4.20 V 50 mA cut-off, Ta = 25 °C
Discharge: CC 1C/ 5A/ 8A/ 10A, 2.50 V cut-off, Ta = 25 °C

Cycle Life Characteristics



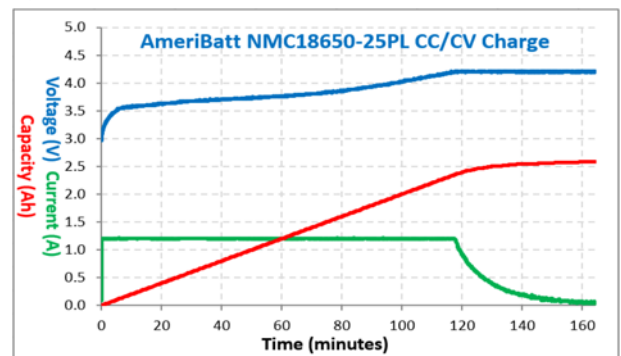
Charge: CC/CV, 0.5C/ 4.20 V 50 mA cut-off, Ta = 25 °C
Discharge: CC 1C, 2.75 V cut-off, Ta = 25 °C

Discharge Characteristics by Temperature



Charge: CC/CV, 0.5C/ 4.20 V 50 mA cut-off, Ta = 25 °C
Discharge: CC 1C, 2.75 V cut-off, Ta = +55, +10, 0, -10, -20 °C

Charge Characteristics



Charge: CC/CV, 0.5C/ 4.20 V 50 mA cut-off, Ta = 25 °C

The data in this document is for descriptive purposes only and are not intended to make or imply any guarantee or warranty.

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