



SPECIFICATIONS

Heavy Duty Lithium-ion Cell

NMC20650-26HD

Features

- Ultra High Specific Power
- High Specific Energy
- Ultra Long Cycle Life **
- High Reliability
- High Safety
- Aviation & Space Class
- Military & Medical Class

Applications

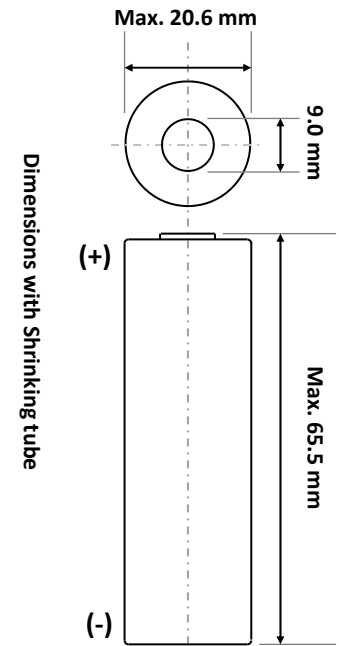
- Space Flight Li-ion Battery
- Aviation Main & APU Battery
- Military Robotic Fighter
- Military Four legged Robot
- Heavy Duty Tactical Robot
- Robotic Fire Fighter
- Portable Motorized Medical Equipment
- Wide Dynamic Range Energy Storage System

Specifications*

Nominal Capacity	Discharge at 25 °C	2.5 Ah (Minimum)
	at 25 °C, 2.6 A	2.6 Ah (Typical)
	at 25 °C, 25 A	3.1 Ah (typical)
Lifetime Capacity	at 25 °C, 30 A	2.9 Ah (Typical)
	Watch chart below	3,520 Ah (Typical) **
Nominal Voltage	Discharge average	3.7 V
Charging	CC/CV, 4.2 V,	1.3 A (Standard)
	52 mA cut-off	4.0 A (Rapid)
Discharging	2.5 V cut-off	30 A (Max. Cont.)
Battery Body Temperature	Charge	0 ~ 45 °C
	Discharge	-20 ~ 60 °C
	Storage	-20 ~ 45 °C
Weight	Average	55.7 g ± 5%

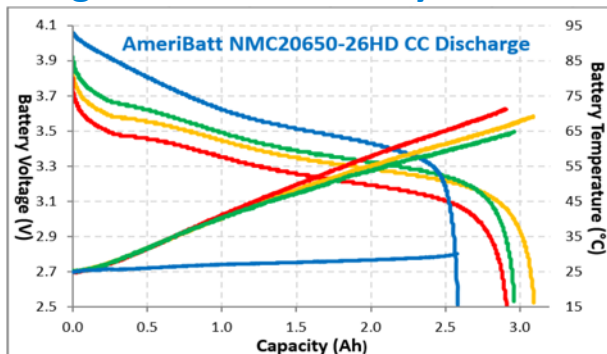
* All test data are averaging with 5 samples obtained from 3 month inventory.
 ** 2,110 Ah capacity is typically delivered as a power cell; another 1,410 Ah can still be exploited as an energy cell.

Dimensions



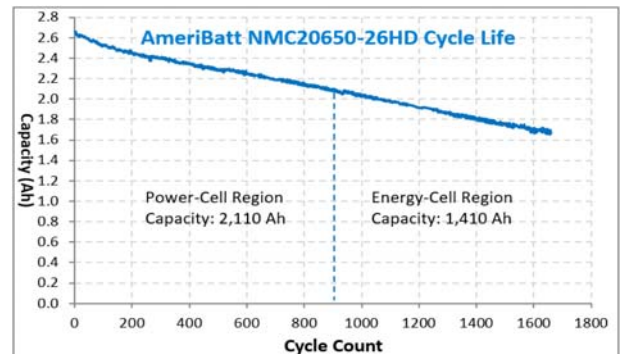
For reference only

Discharge Characteristics by Current



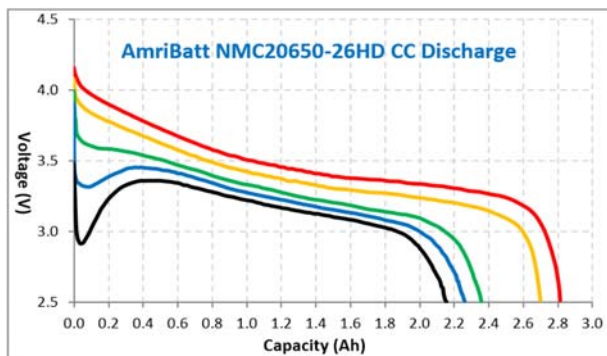
Charge: CC/CV, 1.3 A/ 4.20 V 52 mA cut-off, Ta = 25 °C
 Discharge: CC 1C/ 20A/ 25A/ 30A, 2.50 V cut-off, Ta = 25 °C

Cycle Life Characteristics



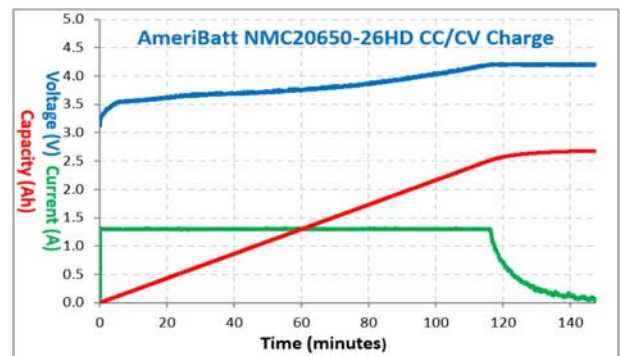
Charge: CC/CV, 1.3 A/ 4.20 V 52 mA cut-off, Ta = 25 °C
 Discharge: CC 25A/ 2.5 V cut-off, Ta = 25 °C

Discharge Characteristics by Temperature



Charge: CC/CV, 1.3 A/ 4.20 V 52 mA cut-off, Ta = 25 °C
 Discharge: CC 10 A, 2.50 V cut-off, Ta = 60, 25, 0, -10, -20 °C

Charge Characteristics



Charge: CC/CV, 1.3 A/ 4.20 V 52 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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