

American Lithium Energy Corporation

Model No.: ALE21700NMC5000

Li-Ion Cylindrical Cell Data Sheet: CD-024 A

▪ **Type** : Rechargeable Li-Ion Batteries
ALE21700NMC5000

▪ **Nominal Dimension** : Max. Diameter: 21.6 mm
Height: 70.7 mm

▪ **Nominal Voltage** : 3.7 Volts

▪ **Capacity** : Typical : 5000 mAh
Minimum: 4900 mAh

▪ **Note:** When discharged at 0.2C to 2.0V after standard charging at 23±5°C

▪ **Maximum Charging Voltage** : 4.20 Volts

▪ **Standard Charging** : CC-CV 2.5 A to 4.20 V
(cut-off: 100mA)

▪ **Discharge cut-off Voltage** : 2.5 Volts

▪ **Weight** : 67±2 g (Max.)

▪ **Impedance (AC 1kHz)** : < 20 mΩ

▪ **Maximum Charge Current** : 5 A

▪ **Maximum Continuous Discharge Current** : 15 A

▪ **Maximum Pulse Discharge Current** : 25 A (1s pulse)

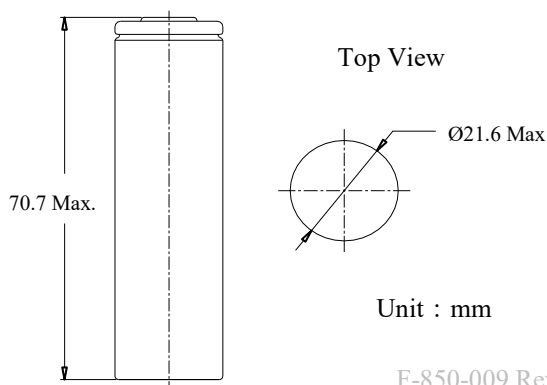
▪ **Ambient Temperature Range** : Charging: 0 to 45 °C
Discharging: -40 to 60 °C
Storage: 0 to 60 °C (less than one month)

Test Conditions

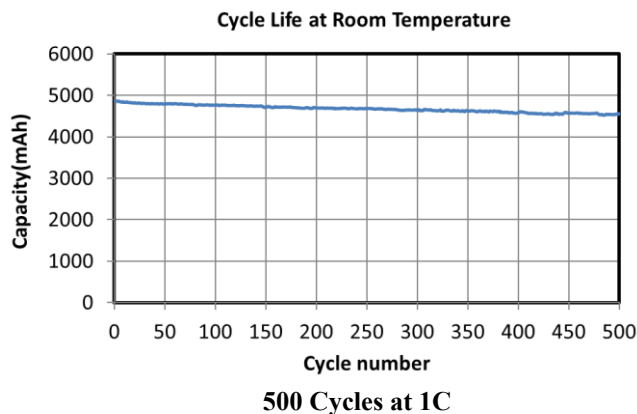
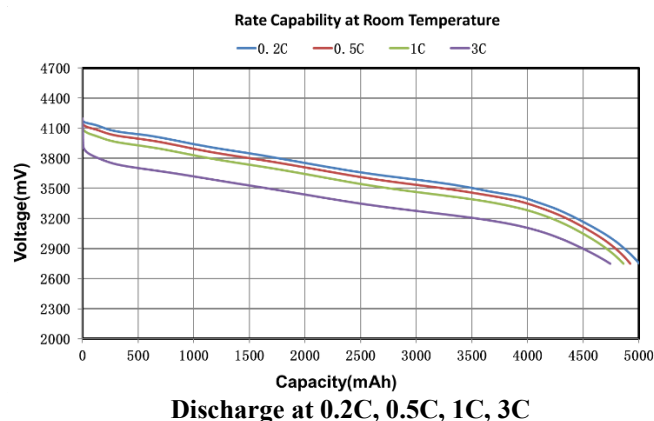
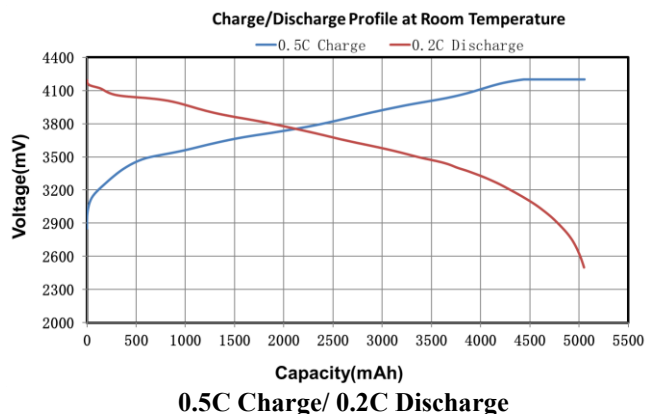
Unless otherwise specified, all tests should be conducted within two weeks of delivery under the following conditions:

▪ **Ambient temperature** : 23 ± 5 °C
▪ **Relative humidity** : 65 ± 20%

Configuration and Dimensions



F-850-009 Rev. A



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