

High Energy Lithium Ion Rechargeable Cylindrical

1. General

1.1 Cell Name: L18650

1.2 Size and Weight

1.2.1 Cell Shape: Cylindrical

1.2.2 Size

Diameter: 18.3 mm max

Length: 65.0 mm max

1.2.3 Weight : 43.0g Average

1.3 Safety Regulation

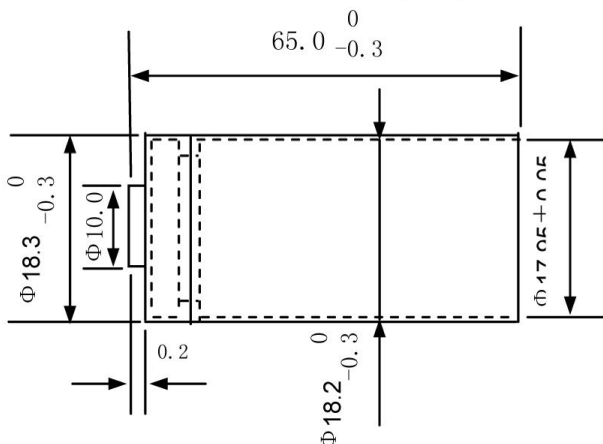
In this specification reference is made to:

GB/T18287-2000, UL1642

2. performance

Nominal Capacity (1.0C Discharge)	2200mAh 8.14Wh
Minimum Capacity	2150mAh (1.0C Discharge)
Internal Impedance	≤ 70mΩ
Discharge Cut-off Voltage	3.0V
Max Charge Voltage	4.20±0.05V
Standard Charge Current	0.5C
Rapid Charge Current	1.0C
Standard Discharge Current	0.5C
Rapid Discharge Current	1.0C
Max discharge current	2.0C
External Short Circuit	No fire, no explosion
Overcharge (3C/10V)	No fire, no explosion
Thermal shock (150℃, 10min)	No fire, no explosion
Cycle Life (0.5C, 100%DOD)	80% initial capacity at 300 cycles

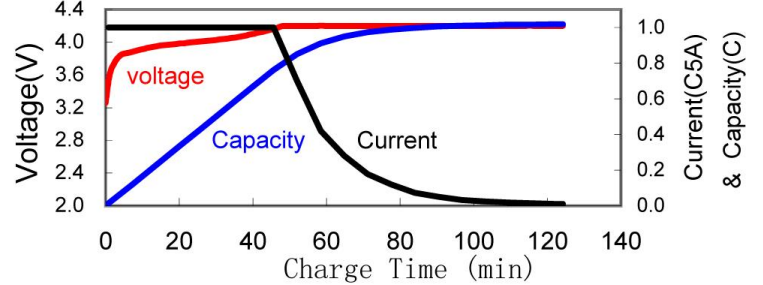
External Dimensions(mm)



Charge Characteristics

Measurement temperature: 25℃

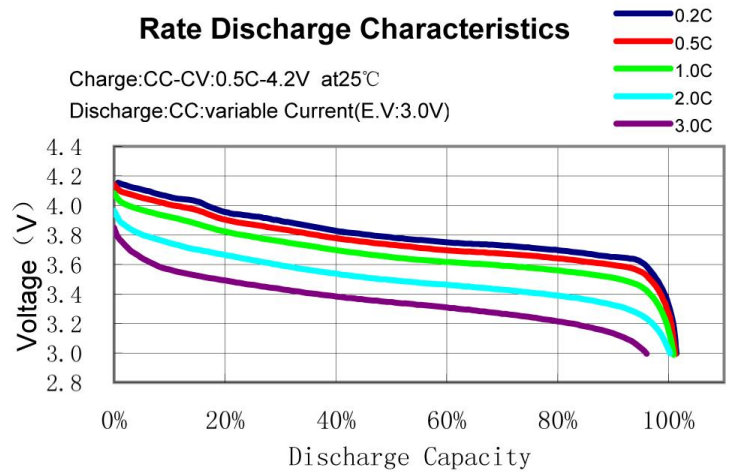
Charge: CC-CV: 1.0C-4.2V



Rate Discharge Characteristics

Charge: CC-CV: 0.5C-4.2V at 25℃

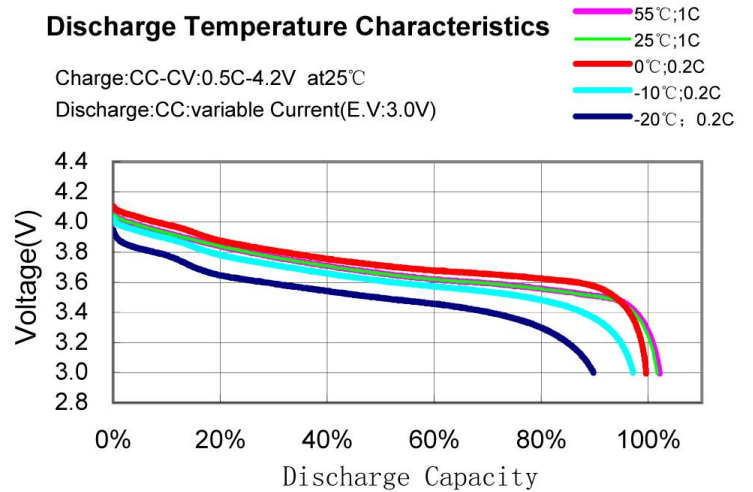
Discharge: CC: variable Current (E.V: 3.0V)



Discharge Temperature Characteristics

Charge: CC-CV: 0.5C-4.2V at 25℃

Discharge: CC: variable Current (E.V: 3.0V)



Cycle Characteristics

Measurement temperature: 25℃

Cycle condition: charge: CC-CV: 0.5C-4.2V

Discharge: CC: 0.5C (E.V: 3.0V)

