

Lithium Ion Rechargeable Cell
NSN Code: 6140270720730



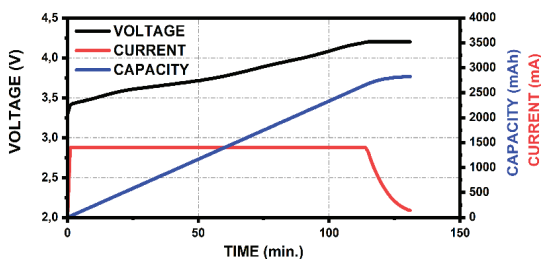
Diameter	18.30 +0.10 / -0.20 mm
Height	65 ± 0.20 mm
Weight	44.5±0.7 g

Performance Specification

Discharge Capacity	2800mAh (Nominal)	
	2700mAh (Minimum)	
Nominal Voltage	3.65V	
Energy Density (Gravimetric – Volumetric)	230 Wh/kg – 605Wh/L	
Charge	Standard Charge Current	1400mA
	Max. Continuous Charge Current	4000mA
	End Voltage	4.2V
	Cut-off Current	140mA
Discharge	Standard Discharge Current	560mA
	Max. Continuous Discharge Current	14000mA
	Max. Conditional Discharge Current (SOC >70% Cut-off temperature 80°C)	25000mA
	End Voltage	2.5V
Initial AC Impedance (ACIR)	≤ 20mΩ	
Operating Temperature (Cut-off temperature 80°C)	Charge	0°C / 60°C
	Discharge	-30°C / 60°C
Storage temperature Shipping State 30% SOC	Within 1 Month	-30°C / 60°C
	1-3 Month	-30°C / 45°C
	3-12 Month	-30°C / 25°C

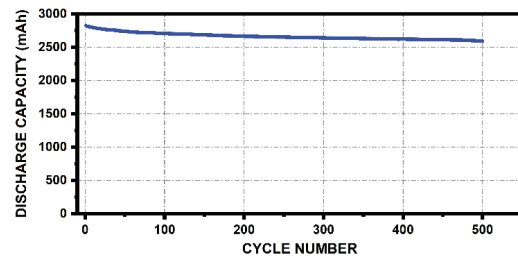
Charge Characteristics

0.5C CC-CV Charge at 25°C (4.2V, cut-off 140mA)



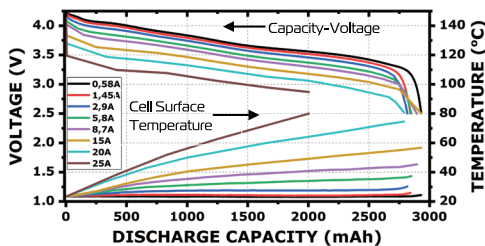
Cycle Life

Charge: 0.5C CC-CV at 25°C (4.2V, cut-off 140mA)
Discharge: 1C CC at 25°C (2.5V)



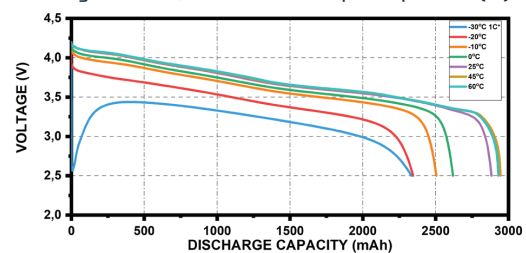
C-rate Dependency of Discharge Performance

Charge: 0.5C CC-CV at 25°C (4.2V, cut-off 140mA)
Discharge: CC at 25°C (2.5V)



Temperature Dependency of Discharge Performance

Charge: 0.5C CC-CV at 25°C (4.2V, cut-off 140mA)
Discharge: CC 2.5V, 0.2C for each temp. except -30°C (1C)



Lithium Ion Rechargeable Cell
Product Specification
ASPILSAN INR18650A28

