

Lithium Ion Rechargeable Cell
NSN Code: 6140270720730



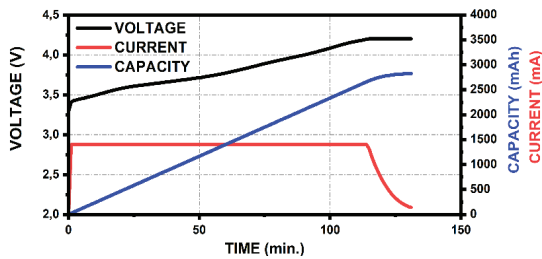
Diameter	18.30 +0.10 / -0.20 mm
Height	65 ± 0.20 mm
Weight	44.5±0.7 g

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	Within 1 Month	-30°C / 60°C
Shipping State	1-3 Month	-30°C / 45°C
30% SOC	3-12 Month	-30°C / 25°C

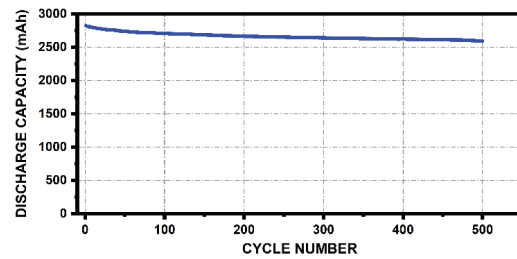
Charge Characteristics

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



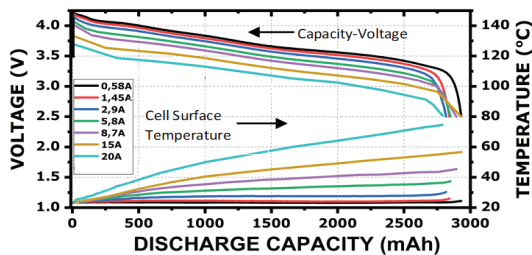
Cycle Life

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



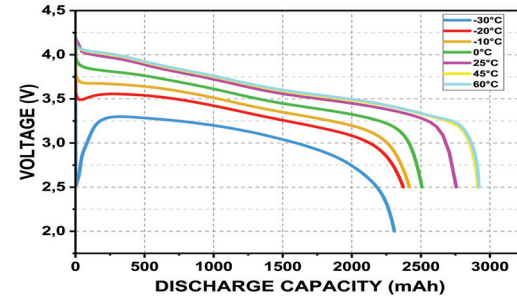
C-rate Dependency of Discharge Performance

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, 1C for each temp. except -30°C (2V)



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Product Specification
ASPILSAN INR18650A28

