

TECHNICAL INFORMATION

Item	Specifications	Conditions	
Nominal Voltage	1.2V		
Open Circuit Voltage	≥ 1.25V	Within 1 hr after standard charge	
Nominal Capacity	650 mAh		
Minimum Capacity	≥650 mAh(0.2C)	Standard charge and Standard discharge	
	≥585mAh(0.5C)	Standard charge and Rapid discharge	
Discharge Cut-off Voltage	1.0V		
Internal Impedance	≤35mΩ		
Charge	Standard	65 mA (0.1C)	Ambient temperature of 20±5°C, Relative Humidity: 65±20%
	Trickle Charge	16 ~ 40 mA (0.02C ~ 0.05C)	Ta=-10 ~ 45 °C
Discharge	Standard	130 mA (0.2C)	standard charge, the final voltage is 1.0V , Up to 5cycles
	Fast	325mA (0.5C)	standard charge, the final voltage is 1.0V , Up to 5cycles
Over-charge	No leakage nor explosion Capacity≥100% of nominal capacity	0.2C discharge to 1.0V , 0.1C charge for 48 hrs, then test the Capacity with Standard discharge Conditions	
Over-discharge	No leakage nor explosion; Capacity≥80% of nominal capacity(640mAh)	0.2C discharge to 1.2V,Combine the battery with a 7.5Ω electric resistance, after stored for a period of 24 hrs, then test the Capacity with Standard discharge Conditions	
Internal resistance	≤30mΩ	After fully charge,rest 1 hour, measured at 1000H	
Cycles Test	Capacity retention ≥60% after 500cycle	IEC61951-2:2003 Standard charge storage:12moths Standard	

ENVIRONMENT PERFORMANCE

Storage Temperature	Within 1 year	-20 ~ 25°C
	Within 6 months	-20 ~ 35°C
	Within 1 months	-20 ~ 45°C
	Within 1 week	-20 ~ 55°C
Operation Temperature	Standard charge	15 ~ 25°C
	Fast Charge	0 ~ 45°C
	Discharge	0 ~ 45°C
Constant humidity and hot performance	No damage	Full charge the battery at current 0.1C, 33±3°C, 80±5%R.H., storage 14 days.

Drawings

