

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	1.2V	
Nominal Capacity	1.600 mAh	Standard charge and Standard discharge
Discharge Cut-off Voltage	1.0V	
Internal Impedance	$\leq 20\text{m}\Omega$	Within 1 hr after standard charge
Charge	Standard	160 mA (0.1C) / Charge at 0.1C for 16 hours / 0°C to 40°C
	Rapid Charge	800 mA (0.5C) / ambient temperature of $20\pm 5^\circ\text{C}$, Relative Humidity: $65\pm 20\%$
	Trickle Charge	48 ~ 80 mA / (0.03C ~ 0.05C) $T_a = -10 \sim 45^\circ\text{C}$
Discharge	Standard	320 mA (0.2C) / standard charge, the final voltage is 1.0V
	High Rate Discharge(1C)	1.600 mA (1C) / standard charge, the final voltage is 1.0V Minute : ≥ 54
	High Rate Discharge(5C)	8.000 mA (5C) Rapid discharge, the final voltage is 0.8V Minute : ≥ 9.0
Over-charge	No leakage nor explosion apacity $\geq 100\%$	160mA(0.1C)Charge 48 hours, rest for 1 h, then discharge at a constant current of 320mA(0.2C) to a final voltage of 1.0 V.
Over-discharge	80%. No leakage nor explosion Capacity $\geq 1600\text{mAh}$	0.2C discharge to 1.2V, Cornbine the battery with a 3Ω electric resistance, after stored for a period of 24 hrs, then test the Capacity with Standard discharge Conditions
Charge-retention Rate	Nominal capacity $\geq 1120(70\%)$	Storage a period of 28 days after standard charge, then Standard discharge (0.2C) to 1.0V
Weight	24gr	Approximately
Cycles Test	≥ 500 Cycles	IEC61951-2(2011) 7.5.1.2

ENVIRONMENT PERFORMANCE**Storage Temperature**

7 Days	-20°C to 55°C
30 Days	-20°C to 45°C
90 Days	-20°C to 35°C
1 Year	-20°C to 25°C

Operation Temperature

Standard Charge	20±5°C
Fast Charge	45°C < Temp cut off ≤ 50°C 0°C ~ 40°C
Standard Discharge	20±5°C

ENVIRONMENT PERFORMANCE