

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	1.2V	
Nominal Capacity	1.000 mAh	Standard charge and Standard discharge
Discharge Cut-off Voltage	1.0V	
Internal Impedance	$\leq 45\text{m}\Omega$	Within 1 hr after standard charge
Charge	Standard	100 mA (0.1C) / Charge at 0.1C for 16 hours / $T_a = 20 \pm 5^\circ\text{C}$
	Rapid Charge	500 (0.5C) / Cut-off condition: $-\Delta V = 5\text{mV/cell}$ $dT/dt = 0.8 \sim 1.0^\circ\text{C/min}$
	Trickle Charge	10 ~ 45 mA / (0.02C ~ 0.05C) $T_a = 0 \sim 40^\circ\text{C}$
Discharge	Standard	200 mA (0.2C) / standard charge, the final voltage is 1.0V
	Rapid Discharge	500 mA (0.5C) / standard charge, the final voltage is 1.0V
	High Rate Discharge	1000 mA (1.0C) Standard Charge , 1hr rest before discharge
Over-charge	No leakage nor Deformation	0.1C charge for 48 hrs, then test the Capacity with Standard discharge Conditions
Over-discharge	80%. No leakage nor explosion Capacity $\geq 720\text{mAh}$	0.2C discharge to 1.2V, Combine the battery with a 6.7Ω electric resistance, after stored for a period of 24 hrs, then test the Capacity with Standard discharge Conditions
Charge-retention Rate	Nominal capacity 60%(600mAh)	Storage a period of 28 days after standard charge, then Standard discharge (0.2C) to 1.0V
Weight	13gr	Approximately
Cycles Test	≥ 300 Cycles	IEC 61951-2 (2017)

ENVIRONMENT PERFORMANCE

Storage Temperature

Within 1 Year -20°C to 30°C
 Within 3 Months -10°C to 50°C

Operation Temperature

Standard Charge $0^\circ\text{C} \sim 40^\circ\text{C}$
 Fast Charge $0^\circ\text{C} \sim 40^\circ\text{C}$
 Discharge $0^\circ\text{C} \sim 40^\circ\text{C}$

