

TECHNICAL INFORMATION

Item	Specifications	Conditions
Nominal Voltage	1.2V	
Nominal Capacity	2.500 mAh	Standard charge and Standard discharge
Discharge Cut-off Voltage	1.0V	
Internal Impedance	$\leq 50\text{m}\Omega$	Within 1 hr after standard charge
Charge	Standard	250 mA (0.1C) / ambient temperature of $20\pm 5^\circ\text{C}$, Relative Humidity: $65\pm 20\%$
	Rapid Charge	1.250 mA (0.5C) / ambient temperature of $20\pm 5^\circ\text{C}$, Relative Humidity: $65\pm 20\%$
	Trickle Charge	50 ~ 125 mA (0.02C ~ 0.05C) $T_a = -10 \sim 45^\circ\text{C}$
Discharge	Standard	500 mA (0.2C) / standard charge, the final voltage is 1.0V
	Rapid Discharge	1.250 mA (0.5C) / standard charge, the final voltage is 1.0V
	Maximum Discharge	1.250 mA (0.5C) Rapid discharge, the final voltage is 1.0V
Over-charge	No leakage nor explosion capacity $\geq 100\%$	0.2C discharge to 1.0V, 0.1C charge for 48 hrs, then test the Capacity with Standard discharge Conditions
Over-discharge	80%. No leakage nor explosion Capacity $\geq 2000\text{mAh}$	0.2C discharge to 1.2V, Combine the battery with a 2.61Ω electric resistance, after stored for a period of 24 hrs, then test the Capacity with Standard discharge Conditions
Charge-retention Rate	Nominal capacity 60% (1500mAh)	Storage a period of 28 days after standard charge, then Standard discharge (0.2C) to 1.0V
Weight	29.5gr	Approximately
Cycles Test	≥ 500 Cycles	IEC61951-2:2011

ENVIRONMENT PERFORMANCE

Storage Temperature

Within 1 Year -20°C to 25°C

Within 6 Months -20°C to 35°C

Operation Temperature

Standard Charge $15 \sim 25^\circ\text{C}$

Fast Charge $0 \sim 45^\circ\text{C}$

Discharge $0 \sim 45^\circ\text{C}$

