

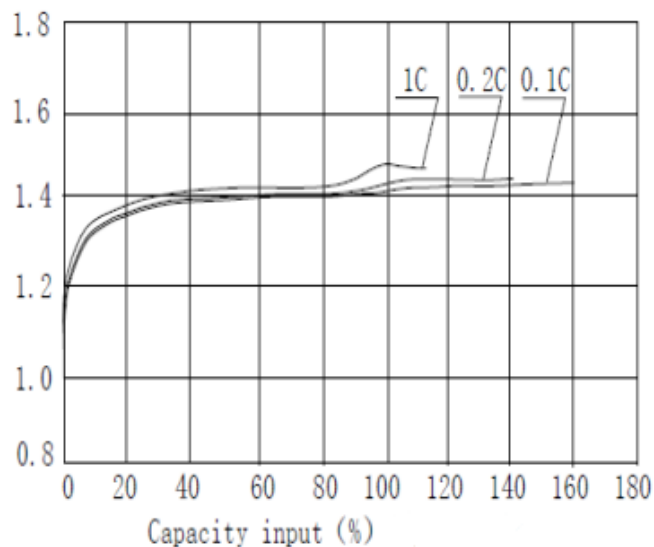
Short Circuit	N/A	Leakage&deformation may occur, but no explosion is allowed	After standard charge., short circuit the cell at $20\pm 5^{\circ}\text{C}$ until the cell temperature returns to ambient temperature. (The resistance of the inter- connecting circuitry shall not exceed 0.1Ω .)	$T_a=20\pm 5^{\circ}\text{C}$
Vibration Resistance	N/A	Change of voltage: < $0.02\text{V}/\text{cell}$ change of internal < $5\text{m}\Omega/\text{cell}$	Charge at 0.1C for 16hrs and then leave for 24hrs check battery before after vibration Amplitude: 1.5mm Vibration: 3000CPM (any direction for 60mins)	
Impact Resistance	N/A	Change of voltage: < $0.02\text{V}/\text{cell}$ change of internal < $5\text{m}\Omega/\text{cell}$	Charge at 0.1C for 16hrs and then leave for 24hrs check battery before/ after drop Height: 100cm Thickness of the wooden board: 30mm Direction is not specified Test for 3 times	

Type/ _____ **Rechargeable Nickel Metal Hydride** **Cylindrical Cell/** _____

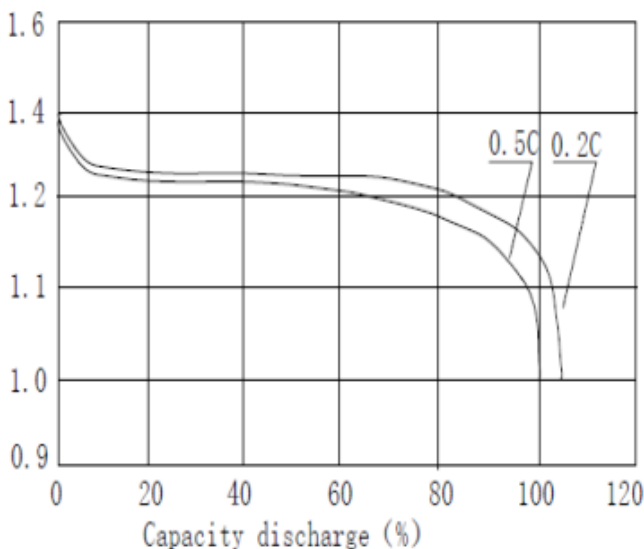
Specification of single cell/

Nominal Voltage/		1.2V
Internal Resistance/		12mΩ
Capacity	Nominal	2500mAh
	Minimum	2500mAh
Weight/		About 46.5g
Charge	Standard	0.1C
	Fast/	0.5C~1C
Temperature Recommended	Standard charge	20±5℃
	Fast charge	10~40℃
	Discharge	-20~60℃
	Storage	-20~35℃
Dimensions with tube	A: Diameter	23.0 (+0/-1.0) mm
	B: Height	43.0 (+0/-1.0) mm
	C: Top diameter	10.0mm
	D: Top height	0.6 mm

Charge curve/



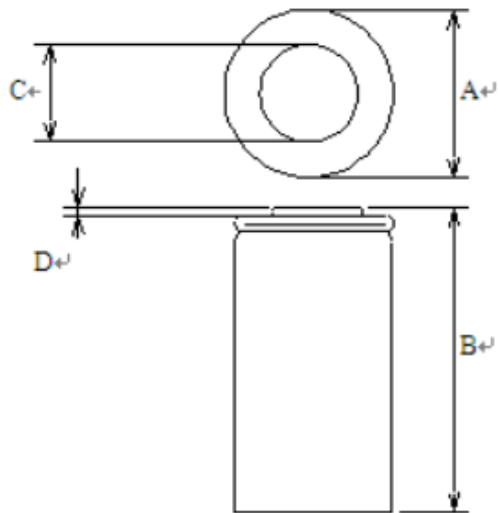
Low rate discharge/



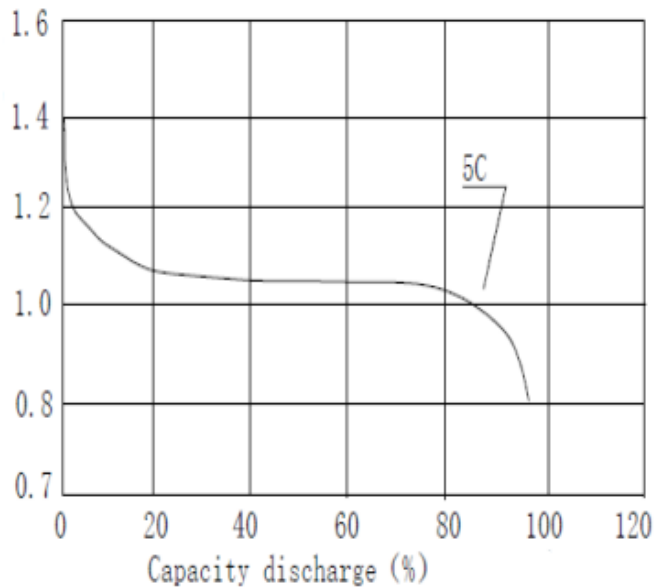
Overcharge

0.1C for 48 hrs

Drawing/



High rate discharge/



Nominal Voltage	V	1.2	Cell unit /
Nominal Capacity	mAh	2500	Standard charge /discharge
Minimum Capacity	mAh	2500	
Standard charge	mA	250 (0.1C)	Ta=20±5°C
	hour	16	
Quick Charge	mA	1250 (0.5C)	Ambient Temperature Ta=10-40°C -ΔV=5mV/cell
	hour	2.4	
Rapid Charge	mA	2500 (1C)	
	hour	1.2	
Trickle charge	mA	0.02C-0.05C	Ta=0-40°C
Standard discharge	mA	500 (0.2C)	Ta=20±5°C Humidity / 65±20% Discharge by 0.2C to 1.0V/cell ;
Maximum Discharge Current	mA	25000 (10C)	Ta=-20~60°C; 0.7V/ cell cut off
Storage temperature	°C	-20~25°C within 1 year -20~35°C within 6 month -20~45°C within 1 month -20~55°C within 1 week	Relative humidity: 65±20%
Weight	g	Approx46.5	Cell unit /

Ambient Temperature/

20±5°C

Relative Humidity/

65±20%RH

Notes/ Standard Charge/Discharge Condition.

Charge. 250mA (0.1C) × 16 hrs

Discharge 500mA(0.2C) to 1.0V/ Cell

Open circuit voltage	V	≥1.25	Within 1 hr after standard charge.	Cell unit
Internal impedance	mΩ	≤12	Within 1 hr after standard charge	Cell unit
Discharge 0.2C	Minute	≥300	Standard Charge , 1hr rest before discharge	Allow to 3 cycle
High Rate Discharge 1C	Minute	≥51	Standard Charge , 1hr rest before discharge	Allow to 3 cycle
High Rate Discharge (10C)	Minute	≥4	Standard Charge , 1hr rest before discharge(Discharge to 0.7V/ cell)	Allow to 3 cycle
Overcharge	N/A	No leakage nor Deformation	0.1C charge for 48 hrs 0.1 C 48	

Charge retention	mAh	≥1500 (60%)	Standard charge Storage: 28 days at Ambient Temperature or 7 days at 45°C Standard discharge	
IEC Cycles Life Test IEC	Cycle	≥500	IEC 61951-2 (2011) /7.5.1.2	(see note 1)