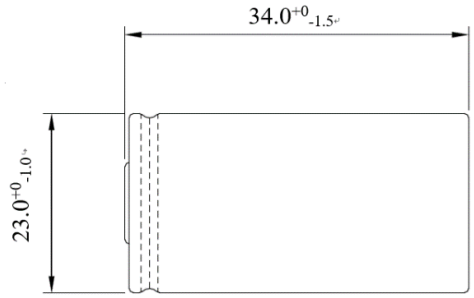
1. Specifications

Technical Drawing	Image
	

Description	Unit	Specification/		Conditions
Nominal Voltage	V/cell	1.2		
Nominal Capacity	mAh	1300		Standard Charge/Discharge/
Standard Charge	mAh	130(0.1C)		Ambient Temperature: Ta= 20±5℃
	Hour	16		
Trickle Charge		(0.03C)~(0.05C)		Ta= 0~45℃
Standard discharge	mA	260(0.2C)		Ambient Temperature: Ta= 20±5℃ Humidity: Max: 85%
Discharge Cut-off Voltage	V/cell	1.0		
Operating temperature range	℃	0~45℃		Humidity: Max : 85%
Storage Temperature	℃	-20~35℃	一年	Fully charged state、Humidity、Max.60%
		0~60℃	一周	Fully charged state、Humidity、Max.80%
Typical Weight	g	Approx.35 g		

2. Performance

Ambient Temperature, T：20±5℃

Relative Humidity：65±20%

Test	Unit	Specification	Other Condition	Remarks
Capacity	mAh	≥1300	Standard Charge Discharge	up to 3 cycles are allowed/
Open Circuit Voltage(OCV)	V/Cell	≥1.25	Within l hour after standard Charge	
Internal Impedance	mΩ/ Cell	≤30	Upon fully charge(lKHz)/	
High Rate Discharge(0.5C)	minute	≥48	Standard Charge, l hour rest Before Discharge by0.5Cto1.0 V/cell	up to 3 cycles are allowed
Overcharge		No leakage No explosion	0.1CCharge14 days	
Charge Retention	mAh	≥845(65%)	Standard Charge, Storage：7 day rest at 45Ambient Temperature， Standard Discharge	
IEC Cycle Life	Cycle	≥500	IEC61951-1(2003)7.4.1.1	(see Note)
Leakage Test		No leakage No deformation	Fully charged at0.5C for 2.5 hour stand for 14 days. 0.5C	
Security Test		No explosion，but leakage or defor mation is allowed	Charge the cell 0.1C 16hrs， Then≤100 mΩ Impedance short circuit for 1hour	Ambient Temperature： T=20±5℃
Impact Resistance		Change of voltage should be under 0.02V/ Cell Change of impedance should be under 5	Charge the cell 0.1C 16hrs Then leave for 1~4hrs,check battery before/after dropped, Height 50cm Wooden board(thickness30mm) Direction not specified,3 times.	Ambient Temperature： T=20±5℃
Vibration Resistance		Change of voltage should be under 0.02V/cell,Change of impedance should be under5 milliohm/cell <5 mΩ/只	Charge the battery 0.1C 16hrs, then leave for 24hrs,check Battery before/after vibration, Amplitude 1.5mmVibration 3000CP M, Any direction for 60mins.	Ambient Temperature： T=20±5℃

3. CONFIGURATION,DIMENSIONS AND PACKINGS

Please refer to the attached drawing

EXTERNAL APPEARANCE/

The cell/battery shall be free from cracks, scars, breakage, rust, discoloration, leakage nor deformation.

4. CAUTION

1) Reverse charging is not acceptable.
2) Charge before use. The cells/batteries are delivered in an uncharged state
3) Do not charge/discharge with more than our specified current.
4) Do not short circuit the cell/battery Permanent damage to the cell/battery may result.
5) Do not incinerate or mutilate the cell/battery.
6) Do not solder directly to the cell/battery.
7) The life expectancy may be reduced if the cell/battery is subjected adverse conditions like: extreme temperature, deep cycling, excessive overcharge/ over-discharge.
8) Store the cell/battery uncharged in a cool dry place. Always discharge batteries before bulk storage or shipment.

Notes:

1) T_1: Ambient Temperature.
2) Approximate charge time from discharged state isfor reference only.
3) We recommend cells or batteries are charged and discharged at least once every 6 months./。
4) IEC61951-1(2003)7.4.1.1 Cycle Life:

Cycle No.	Charge	Rest	Discharge
1	0.1C×16h	None	0.25C×2h20min
2-48	0.25C×3h10min	None	0.25C×2h20min
49	0.25C×3h10min	None	0.25C to 1.0V/ cell
50	0.1C×16h	1-4h	0.2C to 1.0V/ cell
Cycles 1 to 50 shall be repeated until the discharge duration on any 50th Cycle becomes less than 3 h			