

**3、 RATINGS**

Description	Unit	Specification	Conditions
Nominal Voltage	V/ Cell V/	1.2	Unit cell
Nominal Capacity	mAh	2500	Standard Charge/Discharge/
Standard Charge	mA	250(0.1C)	Ambient Temperature:
	Hour	16	Ta= 20±5℃
Trickle Charge		(0.03C)~(0.05C)	Ta= 0~45℃
Standard discharge	mA	500(0.2C)	Ambient Temperature: Ta= 20±5℃ Humidity: Max: 85%
DischargeCut-off Voltage	V/ Cell	1.0	
Operating temperature range	℃	0~45℃	Humidity: Max : 85%
Storage Temperature	℃	-20~35℃	Fully charged state、 Humidity、 Max. 60%
		0~60℃	Fullycharged state、 Humidity、 Max.80% 80%
Typical Weight	g	Approx.63.0	

**4、 PERFORMANCE**

Unless otherwise stated, tests should be done within one month of delivery under the following conditions:/

Ambient Temperature: 20±5℃

Relative Humidity: 65±20%

Test	Unit	Specification	Other Condition	Remarks
Capacity	mAh	2500	Standard Charge Discharge	up to 3 cycles are allowed
Open Circuit Voltage(OCV)	V/Cell	$\geq 1.25$	Within 1 hour after standard Charge	
Internal Impedance	m $\Omega$ / Cell	$\leq 25$	Upon fully charge(1KHz)	
High Rate Discharge(0.5C)	minute	$\geq 96$	Standard Charge, 1 hour rest Before Discharge by 0.5C to 1.0 V/cell	up to 3 cycles are allowed
Overcharge		No leakage nor explosion	0.1C Charge 14 days	
Charge Retention	mAh	$\geq 1500(60\%)$	Standard Charge, Storage: 7 day rest at 45 Ambient Temperature	
IEC Cycle Life	Cycle	$\geq 500$	IEC61951-1(2003)7.4.1.1	(see Note 3)/
Leakage Test		No leakage nor deformation	Fully charged at 0.5C for 2.5 hour stand for 14 days.	
Security Test		No explosion, but leakage or deformation is allowed	Charge the cell 0.1C 16hrs, Then $\leq 100$ m $\Omega$ Impedance short circuit for 1 hour	Ambient Temperature/ T=20 $\pm$ 5 $^{\circ}$ C
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 (thickness 30mm) Direction not specified, 3 times.	Ambient Temperature T=20 $\pm$ 5 $^{\circ}$ C

**PX 1.2-C2500**

1.2V 2500mAh C  
NI-CD

**POWER-XTRA**

Vibration Resistance		Change of voltage should be under 0.02V/cell, Change of impedance should be under 5 milliohm/cell	Charge the battery 0.1C 16hrs, then leave for 24hrs, check Battery before/after vibration, Amplitude 1.5mm Vibration 3000 CPM, Any direction for 60mins.	Ambient Temperatur: T=20±5°C
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