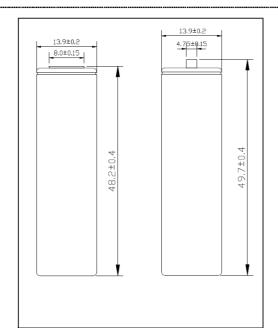
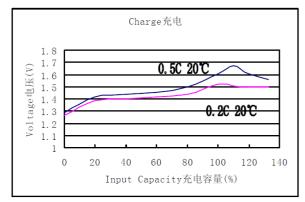
SPECIFICATIONS Sealed Rechargeable Nickel Cadmium Ni-CD 1000mAh AA

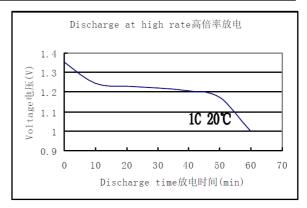
MODEL No: NCAA1000 Description: 1000mAh AA SIZE Ni-Cd

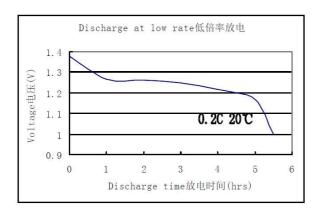


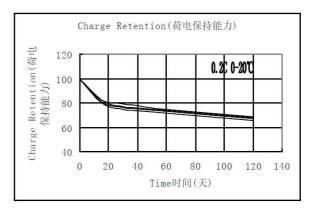
Specification

	1000 mAh			
Nominal Voltage			1.2 V	
		Standard	100mA	
Charge o	current	Quick	300mA	
		Fast	500mA	
		Standard	14~16 Hrs	
Charge	time	Quick	4.0 Hrs	
		Fast	2.5Hrs	
Ambient Temperature	Charge	Standard	0°C~35°C	
		Quick	10°C~35°C	
		Fast	10℃~35℃	
	Discharge		-30℃~60℃	
	Storage		-30℃~35℃	
Internal Impedance(m Ω) (Upon fully charge)			Max≤30	
Weight			20.7g	









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Notice: Unless duly signed and stamped, the information (subject to change without prior notice) contained herein this document is for reference only and should not be used as a criterion for product guarantee or warranty.

SPECIFICATIONS Sealed Rechargeable Nickel Cadmium Ni-CD 1000mAh AA

2. PERFORMANCE

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

Ambient Temperature: T: 20±5℃ Relative Humidity: $65 \pm 20\%$

	perature: 1: 20±3 C Relative Humidity: 65±20%				
Test Item	Test Conditions			Requirements	
(1)Standard	Charge is conducted continuously for 16 hours at the constant current of				
Charge	100mA(0.1C) after pre-discharge at the constant current of 200mA (0.2C)				
	up to a cut-off voltage of 1.0V/cell				
(2)Open-circuit	Voltage between terminals of the charged battery specified in item (1) is			≥1.25V	
Voltage	measured				
(3)Capacity (0.2C)	Capacity of the charged battery specified in item (1) is measured at 200mA				≥1000mAh
	(0.2C) up to a cut-off voltage of 1.0V after rest for 15 minutes. If the				
	discharge time doesn't reach the specified value, the test may be carried				
	out furthe				
(4)High rate	Discharge time of the charged battery specified in item (1) is measured at				≥54minutes
discharge(1C)	1000m				
	If the discharge time doesn't reach the specified value, the test may be				
	carried out further twice, up to three times in total.				
(5)Fast charge	Charge: $500\text{mA}(0.5\text{C}) \times 2.5$ hours (charging Cut off =- \triangle				
(0.5C)	V=5~10mV/cell or Temp.Cut off=50°C)				
(6)Trickle charge	33mA(0.033C)~50 mA (0.05C)				
current					
(7)Charge	Capacity of the charged battery specified in item (1) is measured at			≥75%	
retention	200mA(0.2C) up to a cut-off voltage of 1.0V after rest for 28 days at 20°C.				
	Capacity of the charged battery specified in item (1) is measured at			≥60%	
	200mA(0.2C) up to a cut-off voltage of 1.0V after rest for 90 days at 20°C.				
(8)IEC Cycle life	Cycle No	Charge	Rest	Discharge	≥500
(IEC61951-1	1	0.1C×16h	None	0.25C×140min	
(2003) 7.4.1.1)	2-48	0.25C×190min	None	0.25C×140min	
	49	0.25C×190min	None	0.25C to 1.0v	
	50	0.1C×16h	1-4h	0.2C to 1.0v	
	Cycles 1 t				
	cycle becon				
(9) Accelerated					≥200
cycle life	V=5~10mV				
591	V=5~10mV/cell or Temp.Cut off=50 °C) ;Discharge: 1000mA(1C) to 1.0V/cell,end-of:70% nominal capacity				
(10)Safety valve	Forced discharge is conducted for 60 minutes at a constant current of			Leakage, No	
operation	1000mA(1C) after pre-discharge at a constant current of 200mA(0.2C) up			explode or	
	to 0V				disrupt

SPECIFICATIONS Sealed Rechargeable Nickel Cadmium Ni-CD 1000mAh AA

(11)Leakage	Fully charged at 500mA(0.5C) for 2.4 hour stand for 14 days	No leakage nor deformation
(12) Vibration Resistance	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.	Change of voltage should be under 0.02V/cell,Chang e of impedance should be under 5 milli-ohm/cell
(13) Impact	Charge the battery 0.1C 16hrs	Change of
Resistance	Then leave for 24hrs,check bat-before/after dropped, Height 50cm Wooden board(thickness 30mm) Direction not specified, 3 times.	voltage should be under 0.02V/cell Change of impedance should be under
		5 milli-ohm/cell

3. 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.