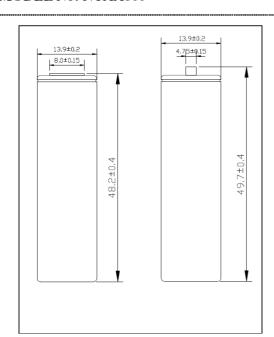
SPECIFICATIONS Sealed Rechargeable Nickel Cadmium Ni-CD 800mAh AA

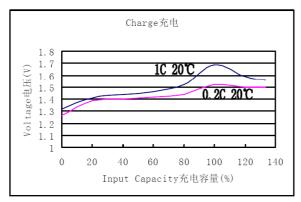
MODEL No: NCAA800

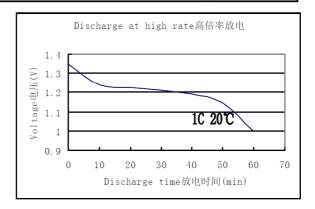
Description: 800mAh AA SIZE Ni-Cd

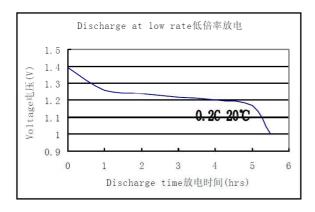


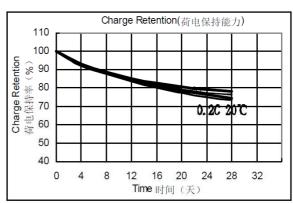
Specification

	Nominal	Capacity	800 mAh
	Nominal	Voltage	1.2 V
		Standard	80mA
Charge o	current	Quick	240mA
		Fast	800mA
		Standard	14~16 Hrs
Charge	time	Quick	4.0 Hrs
		Fast	1.3Hrs
	Charge	Standard	0°C~35°C
Ambient Temperature		Quick	10℃~35℃
		Fast	10℃~35℃
	Discharge		-30℃~60℃
	Storage		-30℃~35℃
Inter	Internal Impedance(m Ω)		M< 20
(Upon fully charge)			Max≤30
Weight			19.2g









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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.

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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: $65 \pm 20\%$

Ambient Tem	perature: 1:	20±3 C		Relative Humidity:	65±20%
Test Item		Test Co	nditions		Requirements
(1)Standard	Charge is conducted continuously for 16 hours at the constant				
Charge	current of 80mA(0.1C) after pre-discharge at the constant current of				
	160mA (0	.2C) up to a cut-off vol	ltage of 1.0	V/cell	
(2)Open-circuit	Voltage bet	ween terminals of the c	harged bat	tery specified in item (1)	≥1.25V
Voltage	is measured after rest for 1 hour				
(3)Capacity (0.2C)	Capacity of	f the charged battery sp	pecified in	item (1) is measured at	≥800mAh
	160mA ((0.2C) up to a cut-off	voltage o	f 1.0V after rest for 15	
	minutes.	If the discharge time de	oesn't reac	h the specified value, the	
	test may	be carried out further tv	vice, up to	three times in total.	
(4)High rate	Discharge	time of the charged	battery sp	pecified in item (1) is	≥54minutes
discharge(1C)	measu	red at 800mA (1C) up t	o a cut-off	voltage of 1.0V after lest	
	for 15	minutes. If the dischar	ge time do	pesn't reach the specified	
	value,	the test may be carried	out furthe	r twice, up to three times	
	in total	1.			
(5)Fast charge	Charge: 8	$00\text{mA}(1\text{C}) \times 1.3 \text{ ho}$	urs (ch	arging Cut off =- \triangle	
(1C)	V=5~10mV	//cell or Temp.Cut off	=50°C)		
(6)Trickle charge	26.4mA(0.0	033C)~40 mA (0.05C)			
current					
(7)Charge	Capacity of	f the charged battery sp	pecified in	item (1) is measured at	≥70%
retention	160mA(0.2	C) up to a cut-off volta	ige of 1.0V	after rest for 28 days at	
	20℃.				
(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	to so shall be repeated	until the d	ischarge duration on any	
	50th cycle b	ecomes less than 3h			
(9) Accelerated	Charge: 800mA(1C) ×1.3 hours (charging Cut off =- △			≥400	
cycle life	V=5~10mV	V=5~10mV/cell or Temp.Cut off=50°C) ;Discharge: 800mA(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	800mA(1C)) after pre-discharge at	a constant	current of 160mA(0.2C)	explode or
	up to 0V				disrupt

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(11)Leakage	Fully charged at 400mA(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
(13) Impact	Charge the battery 0.1C 16hrs	milli-ohm/cell 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 over-discharge.
- (8) Store the cell/battery uncharged in a cool dry place. Always discharge batteries before bulk storage or shipment.