## **Specification Sheet**

1. Model No.: 250513

2. Product Name: NiMH AA 2400 Rechargeable Battery

3. Electrical features:

1) Nominal voltage: 1.2V

2) Nominal capacity: 2400mAh

3) Internal impedance: ≤30m ohm

4) Discharge cut-off voltage: 1.0V

4. Other features

Appearance: Cylindrical shape
Dimension: 14.2\*50 mm

3) Average weight: 31 g

5. Storage

1) Temperature: -10 °C~40°C 2) Humidity: ≤65+/-20%

6. Performance Testing

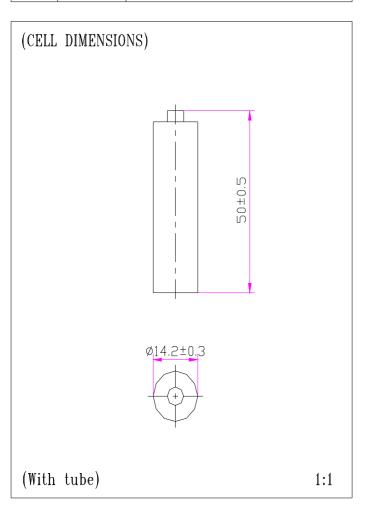
**Examination procedure & standard** 

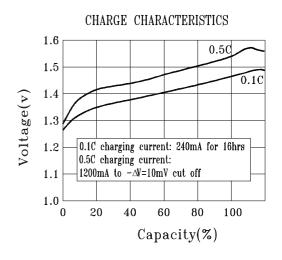
Test item				Condition	Specification
1. Charge Standard		CI	harge at		
	Quick	CI	Charge at 0.5C to -△V=5~10mV		
2. Discharge			t 0.2C to		
3. Discharge cut-off voltage				1.0V	
4.Capacity (mAl	n) Minimum	St	tandard (	2300mAh	
	Typical	St	tandard (	2400mAh	
5. Internal resistance		Af	fter fully	≤30mΩ	
		m	easured		
6. Self-Discharge			ne charg	≥180minutes	
			ays at 20		
			ne is me		
			scharge		
7. High temperature test			tore at 40	No leakage	
			en charg		
8. Low temperature test			tore at 0	No leakage	
			narge/dis		
9. Short circuit test			hort circu	No explode	
10. Drop test		Fr	ree fall o	No leakage	
		m	eter afte	No short-circuit	
11.Cycle life	Charge		Rest	Discharge	Capacity
1	0.1C for 16h		0	0.25C for 2h20min	retention
2~48	0.25C for 3h10min		0	0.25C for 2h20min	≥60% after 500cycles
49	0.25C for 3h10min		0	0.2C to 1.0V	
50	0.1C for 16h		1~4h	0.2C to 1.0V	

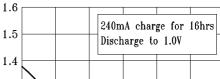
## Ni-MH rechargeable cylindrical cell

## Data Sheet

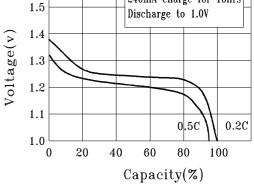
Nominal Voltage				1.2V	
			meter	14.2±0.3mm	
Dimensions		Hei	ght	50.0±0.5mm	
		Apx	. Weight	31g	
0.2C Discharg			Typical	2400mAh	
Capacity			Minimum	2300mAh	
Typica	al Intern	nal I	Less than $30 \mathrm{m}\Omega$		
Cha	rge		240mA for 16hrs		
Life	expecta	ncy	500 cycles		
ıg ure	Charge			0°c to 40°c	
Operating Temperature	Discharge			-10°c to 50°c	
	Storage	< 1 < 3	1 year	-10°c to 30°c	
			3 months	-10°c to 40°c	







DISCHARGE CHARACTERISTICS



## DISCHARGE CHARACTERISTICS AT DIFFERENT TEMPERATURE

