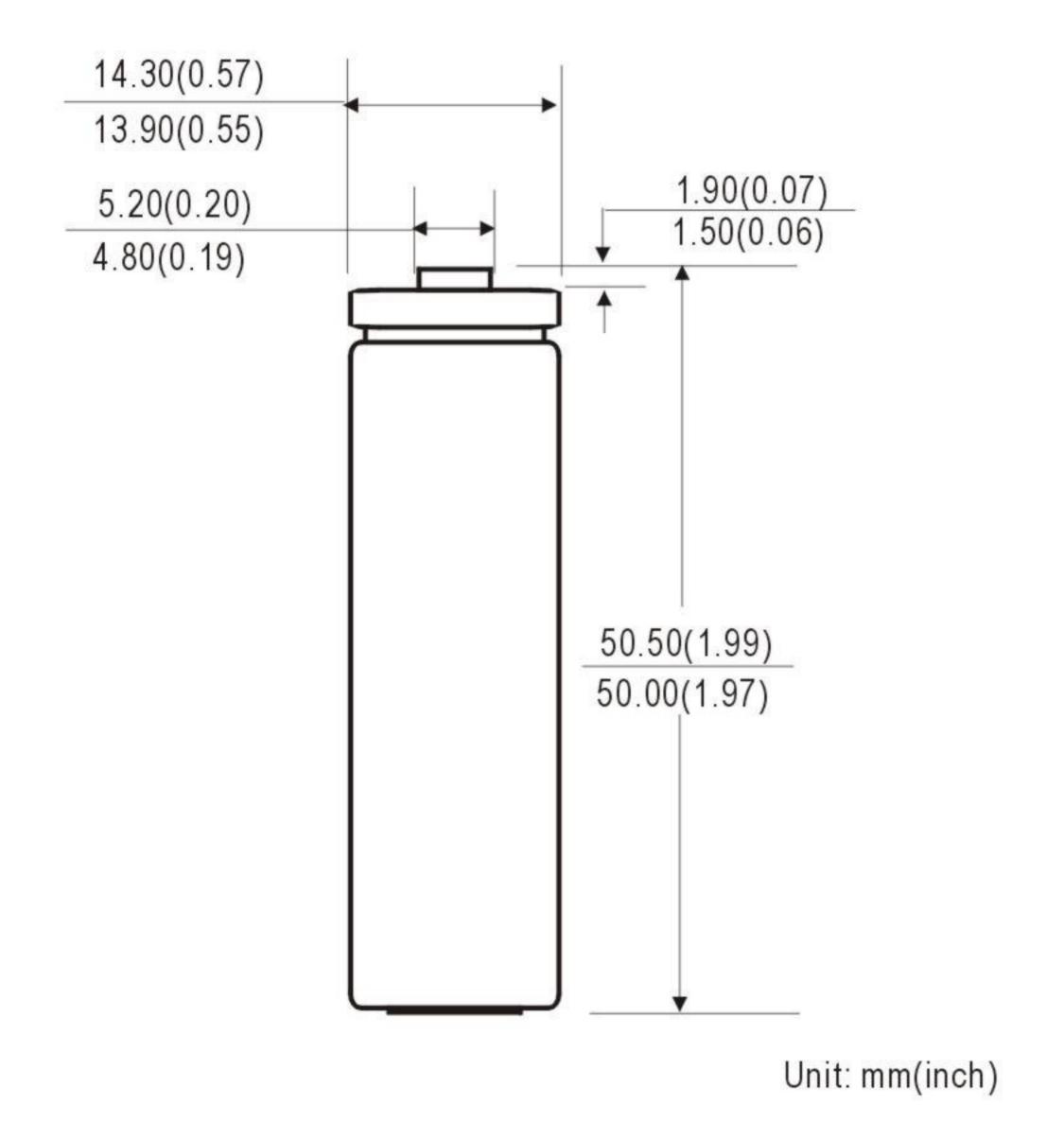




## RECHARGEABLE BATTERY: Nickel Metal Hydride

# NH-AA2700

## Dimensions:



Chemical System : Nickel Metal Hydride

Camelion Model : NH-AA2700

Average Weight : 30.5g

**Dimension** ( $\emptyset$  x H) : 14.1<sup>±0.2</sup> x50.5<sup>-0.5</sup> mm

 $(0.56^{\pm0.1} \text{ x} 1.99^{-0.02} \text{inch})$ 

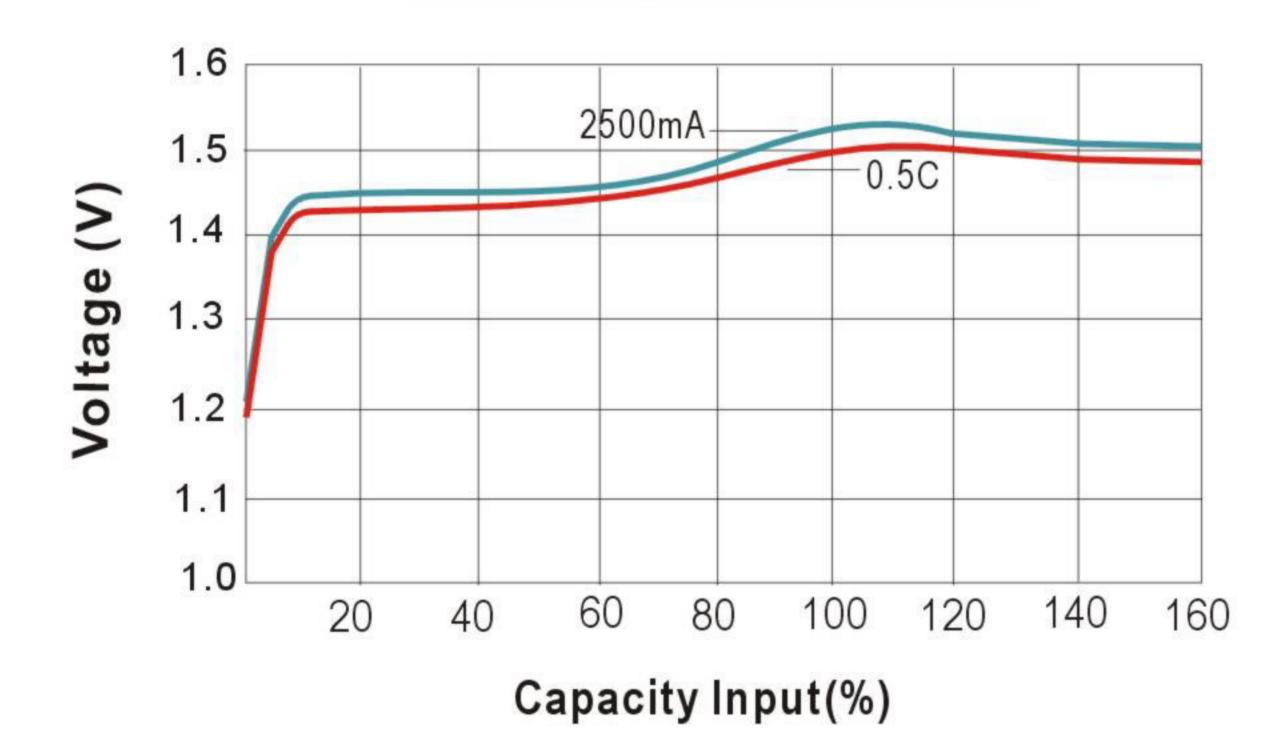
Document Title: RB002270

Nominal Voltage : 1.2 Volts

Nominal Internal Resistance : 25m-ohm @ 1kHz

Capacity(520mA constantly discharge to 1.0V at  $20\pm2^{\circ}C$ )Typical: 2600mAhMinimum: 2500mAhMax. Charge Current: 2500mAMax. Discharge Current: 5400mARelative Humidity:  $65\pm20\%$ Jacket: PVC Label

## **Fast Charge Characteristics**



## **Charging Conditions**

Mode	Current	Time	Temperature
Standard	270mA	15.0hrs	0°C~45°C
Quick	810mA	4.0hrs	10℃~45℃
Fast	1250mA	2.5hrs*	10℃~45℃
Trickle	80~135mA	Continuously	10℃~35℃

\*Can also be controlled with - \(\triangle V\) or dT/dt system

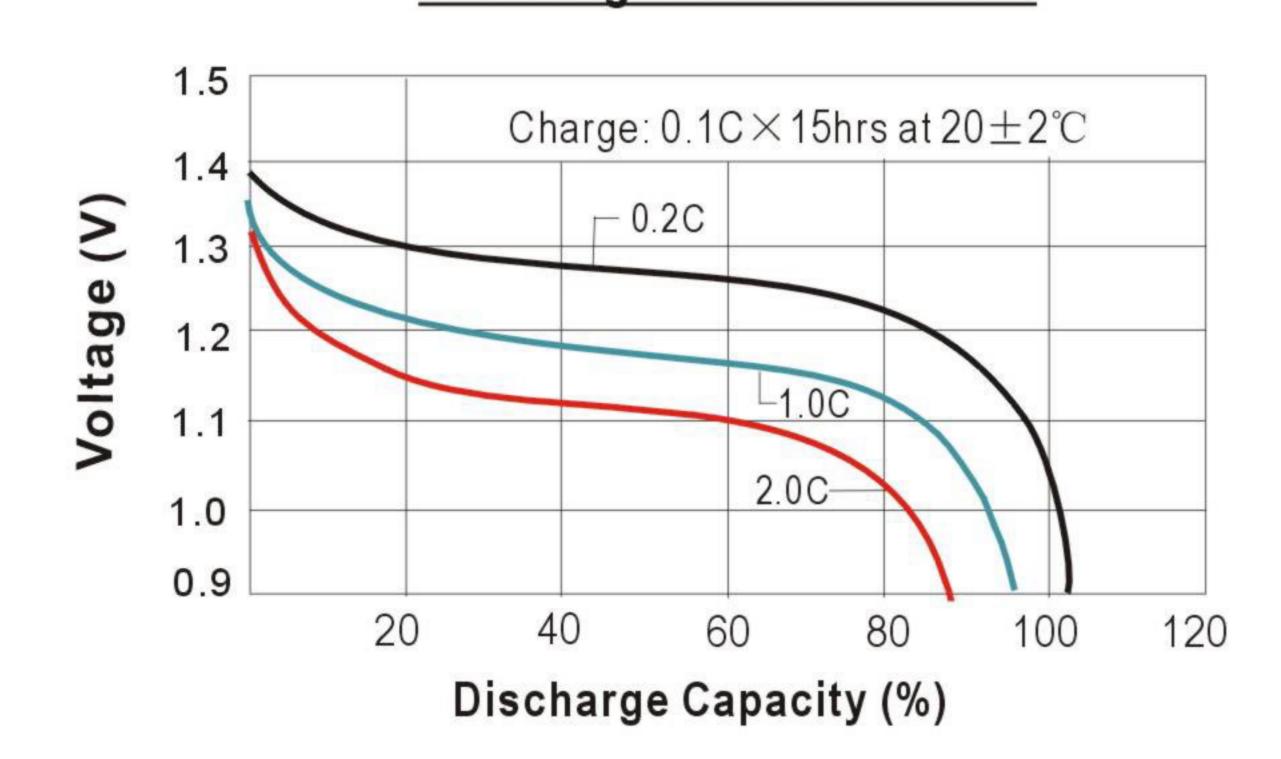
- △V : 0-10mV

dT/dt : 0.8°C/min(0.5C to 0.9C) 0.8-1.0°C/min(1C)

Timer cut off : 120% nominal capacity

Temp. cut off : 55°C

## Discharge Characteristics



## Continuous Overcharge

270mA maximum current for 28 days
No conspicuous deformation and/or leakage

## **Operating and Storage Temperatures**

Charge at 0.1C :  $0^{\circ}\mathbb{C}$  to  $50^{\circ}\mathbb{C}(32^{\circ}\mathbb{F})$  to  $122^{\circ}\mathbb{F}$ )

Discharge at 0.1C :  $-20^{\circ}\mathbb{C}$  to  $50^{\circ}\mathbb{C}$  ( $-4^{\circ}\mathbb{F}$  to  $122^{\circ}\mathbb{F}$ )

Storage :  $-40^{\circ}\mathbb{C}$  to  $50^{\circ}\mathbb{C}$  ( $-40^{\circ}\mathbb{F}$  to  $122^{\circ}\mathbb{F}$ )

(3 Months Max.)

-20°C to 35°C (-4°F to 95°F)

(2 Years Max.)

## Service Life

>500 cycles (IEC standard)

Up to 1000 cycles (not less than 60% of nominal at 0.1C Charge/0.2C discharge)

#### Notice:

Environmental elements comply with RoHS requirements. This information is subject to change without prior notice and for reference only. It should not be used as a basis for a product guarantee or warranty. For additional information, please consult your nearest Camelion Sales Office or Distributor or visit our website at: www.camelionbattery.com.