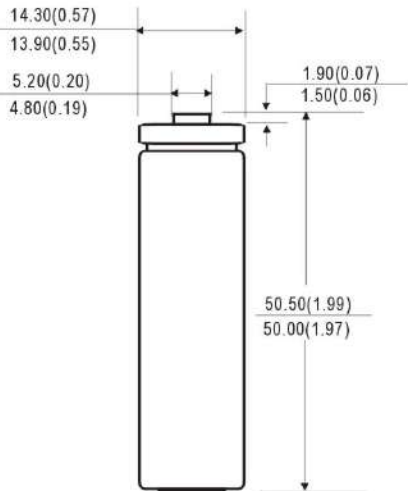


## RECHARGEABLE BATTERY : Nickel Metal Hydride

Document Title: RB002250

### NH-AA2500

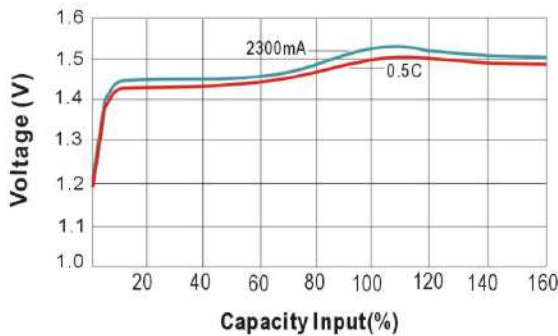
#### Dimensions:



Unit: mm(inch)

<b>Chemical System</b>	: Nickel Metal Hydride
<b>Camelion Model</b>	: NH-AA2500
<b>Average Weight</b>	: 29.5g
<b>Dimension (Ø x H)</b>	: 14.1 <sup>+0.2</sup> x 50.5 <sup>-0.5</sup> mm (0.56 <sup>+0.1</sup> x 1.99 <sup>-0.02</sup> inch)
<b>Nominal Voltage</b>	: 1.2 Volts
<b>Nominal Internal Resistance</b>	: 25m-ohm @ 1kHz
<b>Capacity(500mA constantly discharge to 1.0V at 20±2°C)</b>	
<b>Typical</b>	: 2500mAh
<b>Minimum</b>	: 2300mAh
<b>Max. Charge Current</b>	: 2300mA
<b>Max. Discharge Current</b>	: 5000mA
<b>Relative Humidity</b>	: 65±20%
<b>Jacket</b>	: PVC Label

#### Fast Charge Characteristics



#### Charging Conditions

Mode	Current	Time	Temperature
Standard	250mA	16.0hrs	0°C~45°C
Quick	750mA	4.0hrs	10°C~45°C
Fast	1150mA	2.5hrs*	10°C~45°C
Trickle	60~90mA	Continuously	10°C~35°C

\*Can also be controlled with -  $\Delta V$  or dT/dt system  
 $-\Delta V$  : 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

#### Continuous Overcharge

250mA maximum current for 28 days  
No conspicuous deformation and/or leakage

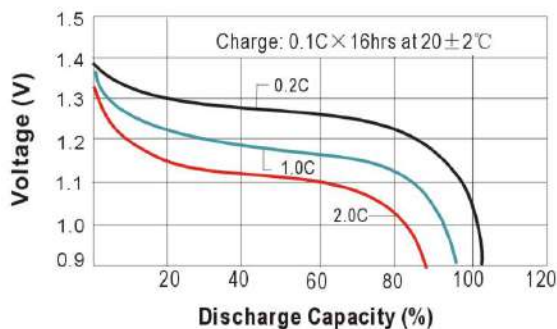
#### Operating and Storage Temperatures

**Charge at 0.1C** : 0°C to 50°C (32°F to 122°F)  
**Discharge at 0.1C** : -20°C to 50°C (-4°F to 122°F)  
**Storage** : -40°C to 50°C (-40°F to 122°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)

#### Discharge Characteristics



#### 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](http://www.camelionbattery.com).