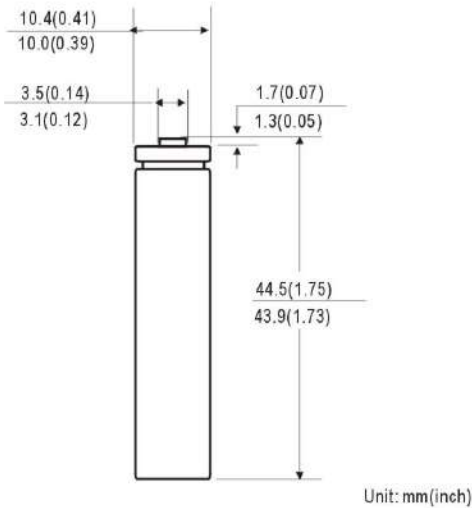


## RECHARGEABLE BATTERY : Nickel Metal Hydride

Document Title: RB003090

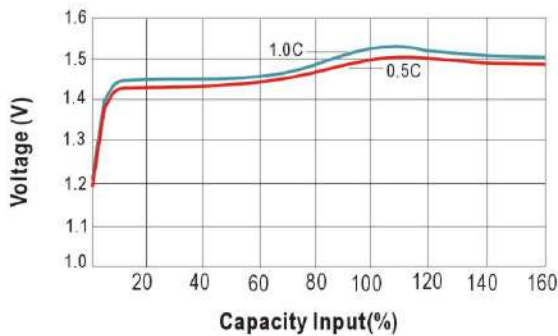
# NH-AAA900

### Dimensions:



Chemical System	:	Nickel Metal Hydride
Camelion Model	:	NH-AAA900
Average Weight	:	13.5g
Dimension (Ø x H)	:	10.2 <sup>+0.1</sup> x 44.2 <sup>+0.3</sup> mm (0.40 <sup>+0.01</sup> x 1.74 <sup>+0.01</sup> inch)
Nominal Voltage	:	1.2 Volts
Nominal Internal Resistance	:	28m-ohm @ 1kHz
Capacity(180mA constantly discharge to 1.0V at 20±2°C)	:	
Typical	:	900mAh
Minimum	:	800mAh
Max. Charge Current	:	900mA
Max. Discharge Current	:	1800mA
Relative Humidity	:	65±20%
Jacket	:	PVC Label

### Fast Charge Characteristics



### Charging Conditions

Mode	Current	Time	Temperature
Standard	90mA	16.0hrs	0°C~45°C
Quick	450mA	2.4hrs	10°C~45°C
Fast	900mA	1.2hrs*	10°C~45°C
Trickle	26~40mA	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

90mA maximum current for 28 days  
 No conspicuous deformation and/or leakage

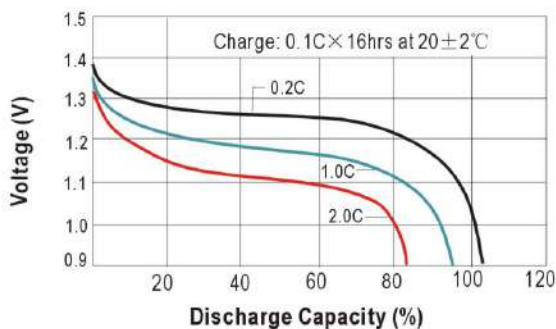
### Operating and Storage Temperatures

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).