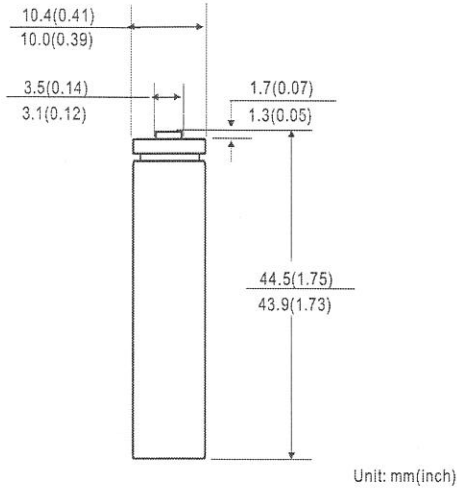


## RECHARGEABLE BATTERY : Nickel Metal Hydride

Document Title: RB003111

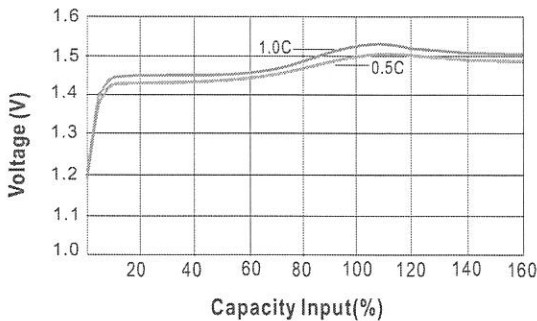
# NH-AAA1100

### Dimensions:



<b>Chemical System</b>	: Nickel Metal Hydride
<b>Camelion Model</b>	: NH-AAA1100
<b>Average Weight</b>	: 14.5g
<b>Dimension (Ø x H)</b>	: 10.2 <sup>-0.2</sup> x 44.2 <sup>-0.3</sup> mm (0.40 <sup>-0.01</sup> x 1.74 <sup>-0.01</sup> inch)
<b>Nominal Voltage</b>	: 1.2 Volts
<b>Nominal Internal Resistance</b>	: 30 m-ohm @ 1kHz
<b>Capacity(200mA constantly discharge to 1.0V at 20±2°C)</b>	
<b>Typical</b>	: 1000mAh
<b>Minimum</b>	: 950mAh
<b>Max. Charge Current</b>	: 1100mA
<b>Max. Discharge Current</b>	: 2200mA
<b>Relative Humidity</b>	: 65±20%
<b>Jacket</b>	: PVC Label

### Fast Charge Characteristics



### Charging Conditions

Mode	Current	Time	Temperature
Standard	110mA	15.0hrs	0°C~45°C
Quick	550mA	2.5hrs	10°C~45°C
Fast	1100mA	1.2hrs*	10°C~45°C
Trickle	30~50mA	Continuously	10°C~35°C

\*Can also be controlled with - ΔV or dT/dt system  
 - ΔV : 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

100mA 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

