



# ***NICKEL METAL HYDRIDE BATTERY NH-60H***

## **BRIEF SPECIFICATION**

Model: NH-60H  
Nominal Voltage: 1.2V  
Nominal Capacity: 80mAh  
Weight: Approx. 3.5g  
Manufacturer: EEMB Co., Ltd.  
Website: <http://eemb.com>

## 1. Preface

This specification is suitable for the performance of the Ni-MH rechargeable battery produced by EEMB CO.,LTD

## 2. Model

NH-60H

## 3. Appearance

There shall be no such defects as deformation, flaw, stain, discoloration or electrolyte leakage.

## 4. Basic Specification

Description			Specification
Model			NH-60H
Nominal Voltage (V)			1.2
Nominal Capacity (mAh)			80
Internal Impedance (mΩ)/cell			≤400
Discharge Cut-off Voltage			1.0V
Ambient temperature	Charge	standard	0°C to 45°C
		fast	10°C to 45°C
		Trickle	0°C to 45°C
	Discharge		-10°C to 45°C
	Storage	within 2 year	-20°C to 35°C
		within 6 months	-20°C to 45°C
		within 1 months	-20°C to 45°C
		within 1 week	-20°C to 55°C
		The relative humidity should keep within 60±20%.	

## 5. Characteristics

Unless otherwise specified, the standard range of atmospheric conditions for test as follows:

Ambient temperature: 25±5°C

Relative humidity: 60±20%

Standard charge : 8mA×14hours

Standard discharge : 16mA to 1.0V

Note: Any representations in this brochure concerning performance, are for informational purposes only and are not construed as warranties either expressed or implied, of future performance.

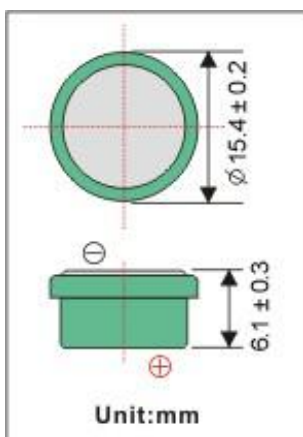
Test	Unit	Specification	Conditions	Remarks
Capacity	mAh	$\geq 80$	Standard Charge/discharge	Up to 3 cycles Are allowed
Open Circuit Voltage (OCV)	Voltage (V)	$\geq 1.3$	After 1 hour standard Charge	
Internal Impedance	m $\Omega$ /cell	$\leq 400$	Upon fully charge (1KHz)	
High rate Discharge (40 mA)	Minute	$\geq 60$	Standard charge Before discharge	
Discharge Current	mA	40	Maximum continuous Discharge current	
Over charge		No leakage Not explosion	2.4mA charge one year	
Charge Retention	mAh	64	Standard charge; Storage: 28 days; Standard discharge	
Cycle Life	Cycle	$\geq 400$	IEC/CEI61951-2:2001. 4.4	
Leakage		No leakage nor Deformation	Fully charge at 8mA, Stand 14 days	

Note: IEC/CEI61951-2:2001. 4.4 cycle life

Cycle number	Charge	Stand in charged Condition	Discharge
1	8mA for 16h	None	20mA for 2h20min
2-48	20mA for 3h10min	None	20mA for 2h20min
49	20mA for 3h10min	None	20mA to 1.0V/cell
50	8mA for 16h	1h to 4h	16mA to 1.0V/cell

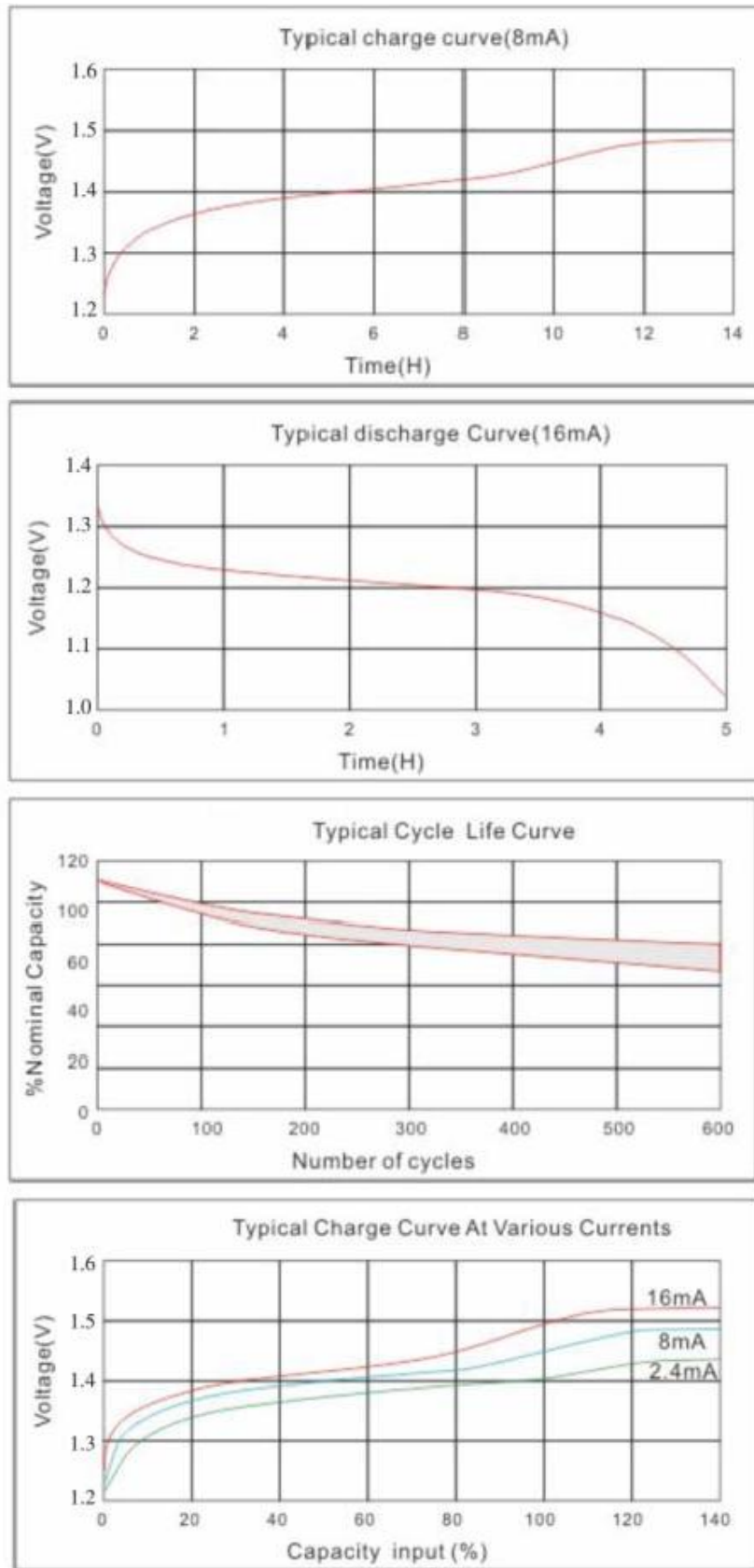
1. Before the endurance in cycles test, the cell shall be discharged at 16mA to a final voltage of 1.0V/cell.  
 2. The following endurance test shall then be carried out, in an ambient temperature of  $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$ .

## 6. Dimensions

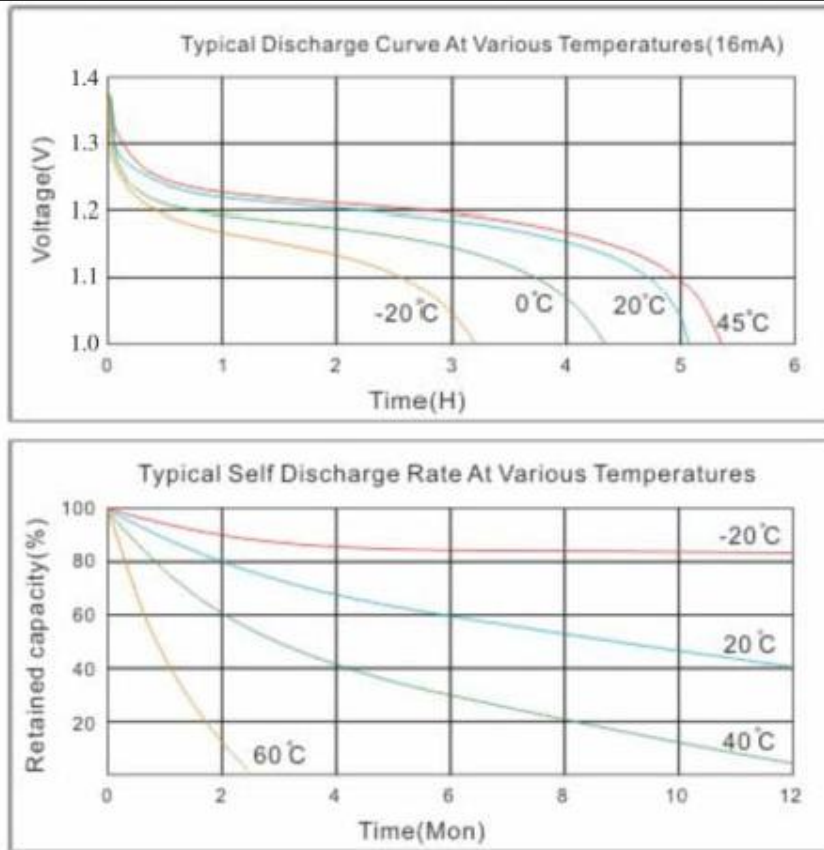


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## 7. Performance



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## 8. Precaution

- 1) Avoid throwing cells into a fire or attempting to disassemble them.
- 2) Avoid short circuiting the cells.
- 3) Avoid direct solidarity to cells.
- 4) Observe correct polarity when connecting.
- 5) Do not charge with more than our specified current.
- 6) Use cells only within the specified working temperature range.
- 7) Store cells in dry and cool place.

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