

# RMH9101

## 1. Scope

This technical specification is for the product of HR-5932L Ni-MH rechargeable battery pack.

## 2. Cell Type

Cell: Sealed Ni-MH Cylindrical Cell 4pcs pack  
Model: AA Eneloop

## 3. Rating

Nominal Voltage: 4.8V per pack

Rated Capacity:

    Typical Capacity: 2000mAh

    Minimum Capacity: 1900mAh

Standard Charging: 200mA charge 16 hrs

Quick Charging: 2000mA charge 1.1hrs

Discharge End Voltage: 4.0V per pack

Maximum Discharge: 4A Current

Weight: 200g

Charge Temperature: 0°C to 40°C

Discharge Temp: 0°C to 50°C

Storage Temperature: -20°C to 40°C

## 4. Physical Specification

Length: 107.5mm

Width: 67.9mm

Height: 16.7mm

Maximum Overstep: 0.1mm

## 5. Electrical Test

### 5.1 Charging Characteristics

The battery pack should be charged under the following conditions:

- At a constant current of 200mA for 16 hrs (Standard Charges)
- At a constant current of 2000mAh for 1.1hrs (Quick Charge)

The above test are the ambient temperature of 20°C (+,-5°C)

### 5.2 Discharge Characteristics

After adopt the above charge procedure as 5.1 the battery pack is stored for 1 hour at the same temperature range, this is to be discharged at various current till the end voltage reaches 4.0V

- At 400mA discharge for 5hrs (0.2C)
- At 600mA discharge for 3.3hrs (0.3C)
- At 2000mA discharge for 54 minutes (1C)
- At 4A discharge for 25 minutes (2C)

### 5.3 Capacity Characteristics

The battery pack should be at or more than 90% under the above either charging or discharging procedure.

### 5.4 Charge retention

After stand charging procedure as per 5.1, the battery pack store for 28 days, then discharge the battery pack are 0.2C, the nominal capacity shall not be less than 70%.

- Before using, the battery pack shall be properly charged as 5.1.
- Keep the battery pack in cool and dry place.
- DO NOT throw the battery pack into fire or disassembles them.
- DO NOT short-circuit the battery pack
- DO NOT charge with more than specified current.

<p><b>WARNING:</b> This battery pack should be charged by proper specified charger . After long storage, it is desirable to cycle (charge/discharge) the battery 3 times to restore full capacity.</p>
--