

1. Scope

This technical specification is for the product of RMH9106 Ni-MH rechargeable battery pack.

2. Cell Type

Cell: Sealed Ni-MH Cylindrical Cell 6pcs pack

Model: 4/5 2000mAh

Size: 4/5A

3. Rating

Nominal Voltage: 7.2V per pack

Nominal Capacity: 2000mAh

Standard Charging: 200mA charge 14~16 hrs

Quick Charging: 1000mA charge 2.4hrs

Discharge End Voltage: 6.0V per pack

Maximum Discharge: 4.0A Current

Weight: 230g

Charge Temperature: 0°C to 45°C

Discharge Temp: -20°C to 60°C

Storage Temperature: -20°C to 55°C

4. Physical Specification

Length: 103.0mm

Width: 56.7mm

Height: 23.0mm

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 14~16 hrs (Standard Charges)
- At a constant current of 1000mAh for 2.4hrs (Quick Charge)

The above tests 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 6.0V

- At 400mA discharge for 5hrs (0.2C)
- At 600mA discharge for 3.3hrs (0.3C)
- At 2.0A discharge for 54 minutes (1C)
- At 4.0A 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 at 0.2C, the nominal capacity shall not be less than 60%.

- 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>WARNING: 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>
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