RMH9102 BATTERY

1. Scope

This technical specification is for the product of RMH9102 Ni-MH rechargeable battery pack.

2. Cell Type

Cell: Sealed Ni-MH Cylindrical Cell 6pcs pack

3. Rating

Nominal Voltage: 7.2V per pack
Nominal Capacity: 1650mAh
Standard Charging: 165mA charge 16 hrs
Quick Charging: 825mA charge 140min
Discharge End Voltage: 6.0V per pack
Maximum Discharge: 3.3A Current
Weight: 200g
Charge Temperature: 0^{o}C to 45 ^{o}C
Discharge Temp: -10^{o}C to 65^{o}C
Storage Temperature: -20^{o}C to 65^{o}C

4. Physical Specification

Length: 118.5mm
Width: 62.4mm
Height: 20.0mm
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 165mA for 16 hrs (Standard Charges)
--At a constant current of 825mAh for 140min (Quick Charge)

The above tests are the ambient temperature of 20^{o}C (+,-5^{o}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 330mA discharge for 5hrs (0.2C)
--At 495mA discharge for 3.3hrs (0.3C)
--At 1650mA discharge for 54 minutes (1C)
--At 3.3 A discharge for 25 minutes (2C)

5.3 Capacity Characteristics

The battery pack should be at or more than 90% minimum capacity 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 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.

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.

The supplier reserves the right to modify product specification and data stated herein without prior notice.