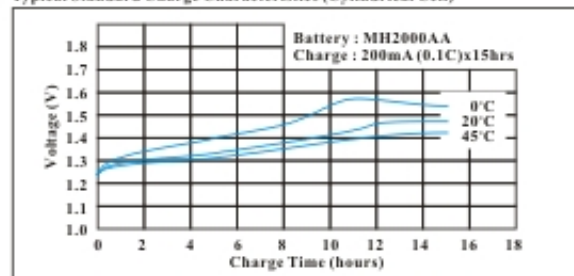


# NIMH RECHARGEABLE CYLINDRICAL BATTERY

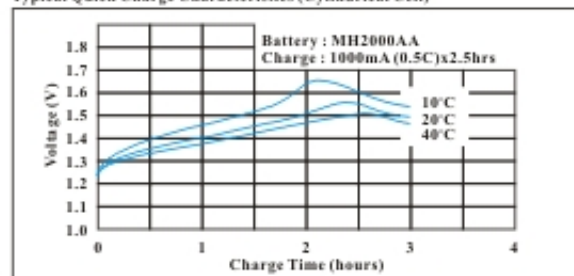
## SPECIFICATIONS

|                          |   |  |
|--------------------------|---|--|
| Model                    | : | MH2000AA   |
| Description              | : | NiMH rechargeable battery, 'AA' size, consumer cap   |
| Nominal Capacity         | : | 2000 mAh at 400mA rate discharge   |
| Nominal Voltage          | : | 1.2 Volt   |
| Cut-Off Voltage          | : | 1.0 Volt   |
| End of Charge Voltage    | : | $\leq 1.6$ Volt  |
| End of Discharge Voltage | : | $\geq 0.9$ Volt  |
| Weight                   | : | 28 gram  |
| Life Duration            | : | $\geq 300$ cycles (Comply to IEC 285/1993 4.4.1)   |
| Charge                   | : | Trickle - 60-100 mA<br>Standard - 200 mA x 14 hours<br>Quick - 1000 mA x 2.5 hours (with cut-off control)                                    |
| Recharge                 | : | Every 3-6 months recommended   |
| Temperature Environment  | : | Standard charge - 0 degC to 45 degC<br>Quick charge - 10 degC to 40 degC<br>Discharge - -20 degC to 60 degC<br>Storage - -20 degC to 40 degC |
| Trickle Charge           | : | 60mA for 28 days, no leakage, no explosion   |
| Charge Retention         | : | $>60\%$ for 28 days storage after standard charge  |
| Leakage                  | : | No leakage, No explosion under standard operating condition  |
| Vibration                | : | Battery remain normal after vibration at Amp: 4mm;<br>Freq.: 1000/min for 60 min.  |
| Shock                    | : | Battery remain normal after dropping from 450mm to an Oak board for 3 times  |

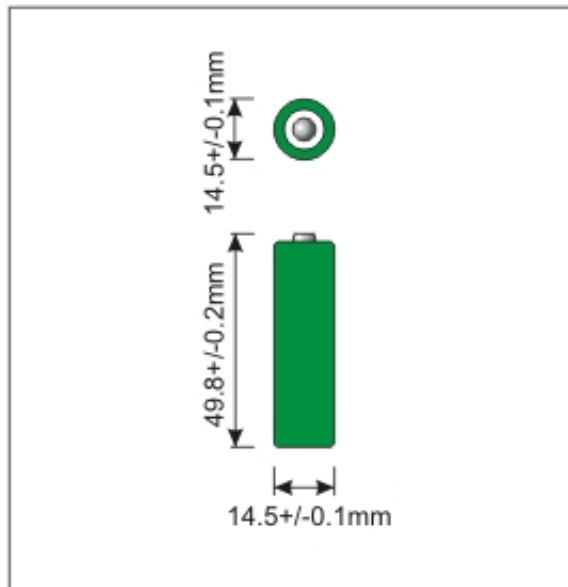
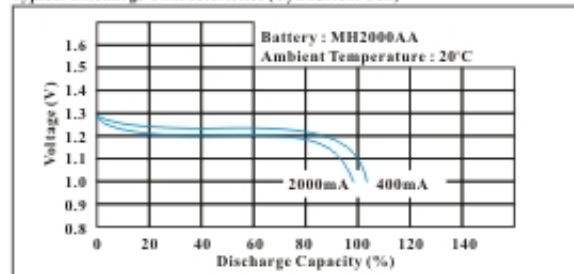
Typical Standard Charge Characteristics (Cylindrical Cell)



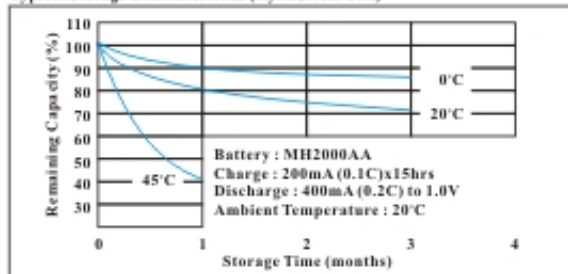
Typical Quick Charge Characteristics (Cylindrical Cell)



Typical Discharge Characteristics (Cylindrical Cell)



Typical Storage Characteristics (Cylindrical Cell)



Information is for references only.