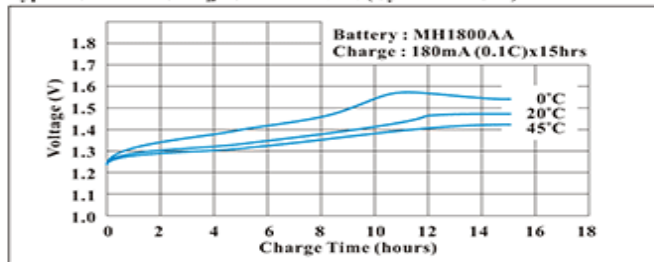


# NIMH RECHARGEABLE CYLINDRICAL BATTERY

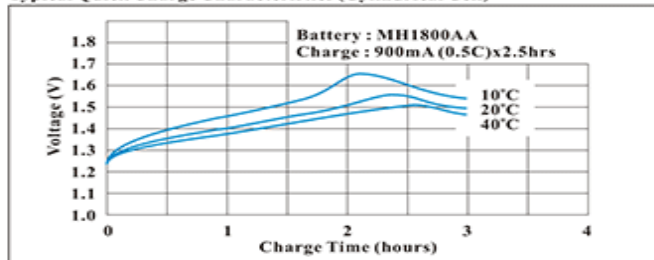
## SPECIFICATIONS

Model	:	MH1800AA
Description	:	NiMH rechargeable battery, 'AA' size, flat cap
Nominal Capacity	:	1800 mAh at 360mA rate discharge (3 cycles allowed)
Nominal Voltage	:	1.2 Volt (After charge)
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	:	$\geq 500$ cycles (Comply to IEC 61951-2 2nd Ed. 2003-04)
Charge	:	Trickle - 54-90 mA Standard - 180 mA x 14 hours Quick - 900 mA x 2.5 hours (with cut-off control)
Recharge	:	Every 3-6 months recommended
Temperature Environment	:	Standard charge - 0 degC to 45 degC Quick charge - 10 degC to 40 degC Discharge - -20 degC to 60 degC Storage - -20 degC to 40 degC
Trickle Charge	:	54mA 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; Freq.: 1000/min for 60 min.
Shock	:	Battery remain normal after dropping from 450mm to an Oak board for 3 times

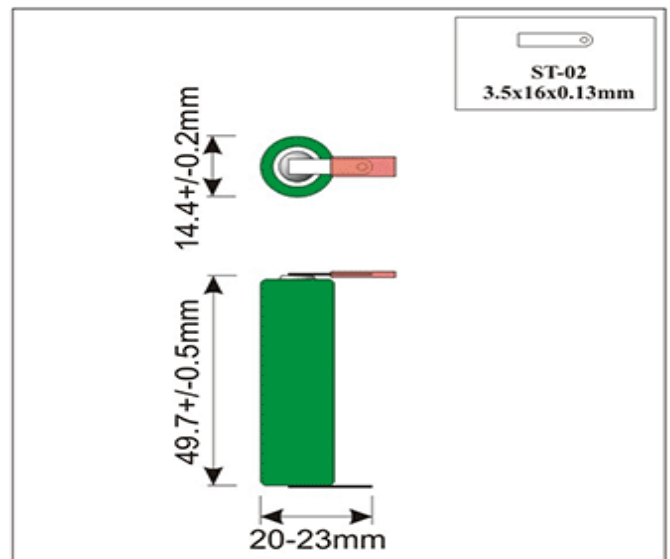
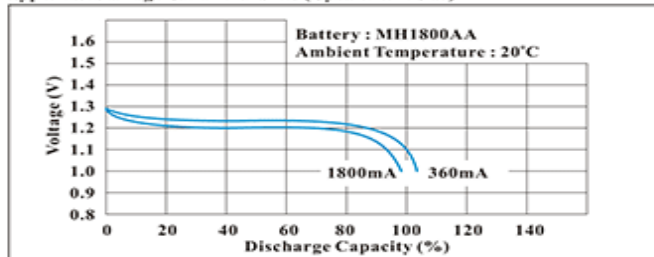
Typical Standard Charge Characteristics (Cylindrical Cell)



Typical Quick Charge Characteristics (Cylindrical Cell)



Typical Discharge Characteristics (Cylindrical Cell)



Typical Storage Characteristics (Cylindrical Cell)

