

# Secondary Battery

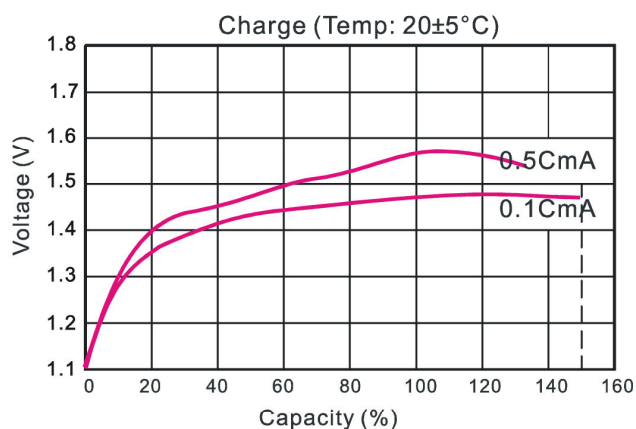
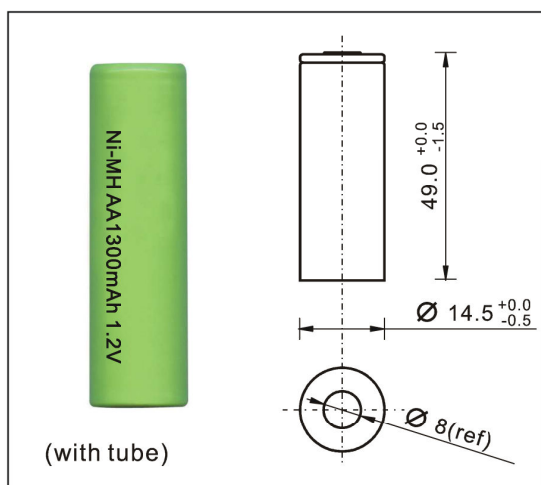
## Ni-MH Battery



Document Title: TH-AA1300C 1.2V

Revision: A/0

Page 1 of 1



**Type:** Rechargeable Nickel Metal Hydride Cylindrical Cell

**Nominal Dimension:**  $\Phi=14.5\text{mm}$  H=49.0mm

**Applications:** Recommended discharge current 130 to 2600mA

**Nominal Voltage:** 1.2V

Capacity: (mAh)	Rate	Minimum	Typical
	0.2C	1300(300min)	1365(310min)
When discharged to 1.0V at 20°C	1C	1170(54min)	1235(57min)
	2C	1040(24min)	1105(25.5min)

**Charge Retention:** 65% of nominal capacity after cell storage at 20°C for 28 days.  
When discharged at 260mA to 1.0V at 20°C

**Charge Condition:** 130mA for 16hrs at 20°C

**Fast Charge:** 650mA to 1300mA (0.5C to 1C)  
charge termination control recommended  
control parameters:  
- $\Delta V$  : 5mV  
DT/dt : 0.8°C/min(0.5C to 1C)  
TCO : 45-50°C  
Timer : 105% nominal input  
(for ref.only)

**Service Life:** >500 Cycles (IEC standard)

**Continuous** 130mA maximum current for 48 hrs.

**Overcharge:** No conspicuous deformation and/or leakage

**Approx Weight:** 24.0g

**Internal Resistance:** Average 28m $\Omega$  upon fully charged  
Rance 20-35m $\Omega$  at 1000Hz

**Max. Charging Voltage:** 1.57V at 650mA charging.

Ambient temperature Range:	Standard charging	0°C to 45°C
	Fast charging	10°C to 40°C
	Discharging	-20°C to 60°C
	Storage	-20°C to 30°C

