

Secondary Battery

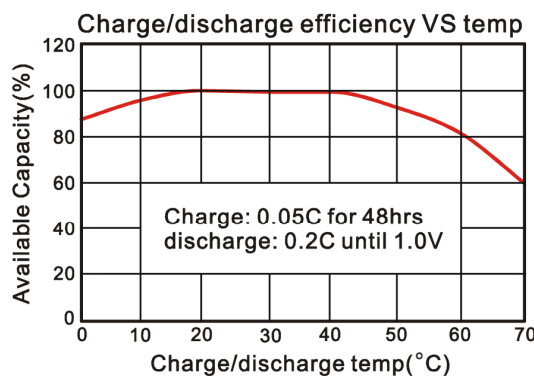
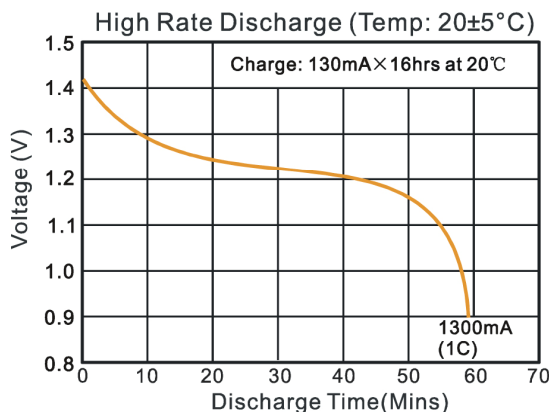
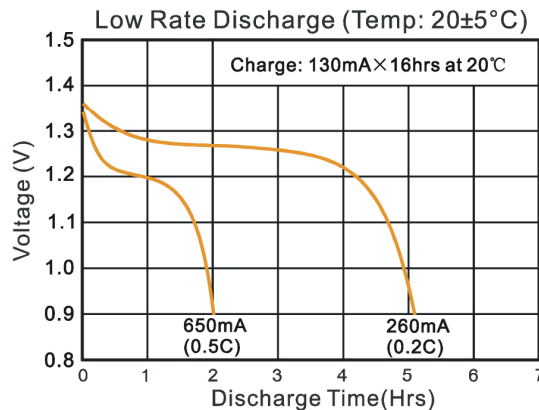
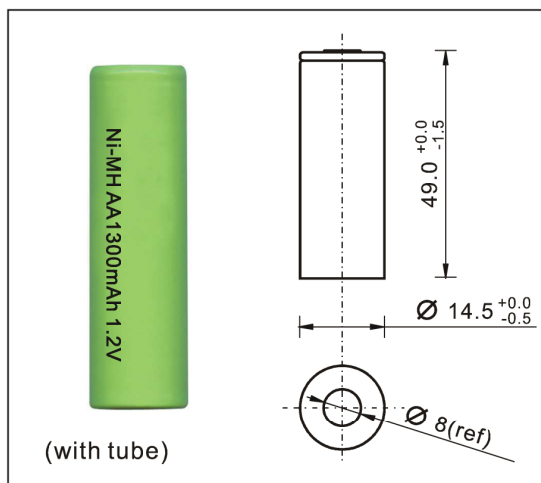
Ni-MH Battery



Document Title: TH-AA1300T 1.2V

Revision: A/0

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Type: Rechargeable Nickel Metal Hydride Cylindrical Cell

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

Applications: Recommended discharge current 130 to 1300mA

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)

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: 39mA to 65mA (0.03C to 0.05C)
charge termination control recommended
control parameters:
- ΔV : 5mV
DT/dt : 0.8°C/min(0.2C to 0.5C)
TCO : 45-50°C

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 Ω upon fully charged
Rance 20-35m Ω at 1000Hz

Max. Charging Voltage: 1.52V at 260mA charging.

Ambient temperature Range:

charging	0°C to 70°C
Discharging	-20°C to 70°C
Storage	-20°C to 35°C
Storage(1 week)	-20°C to 60°C