

Secondary Battery

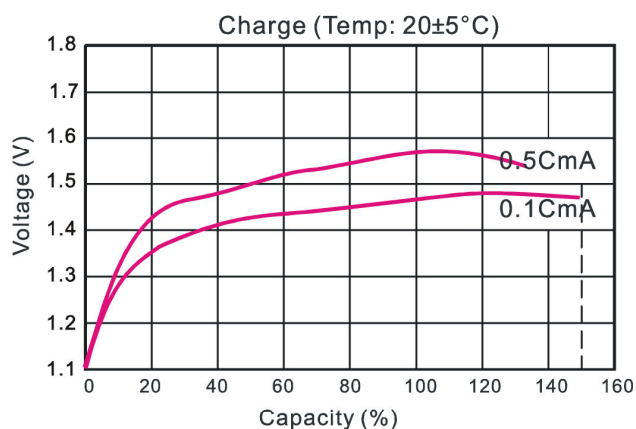
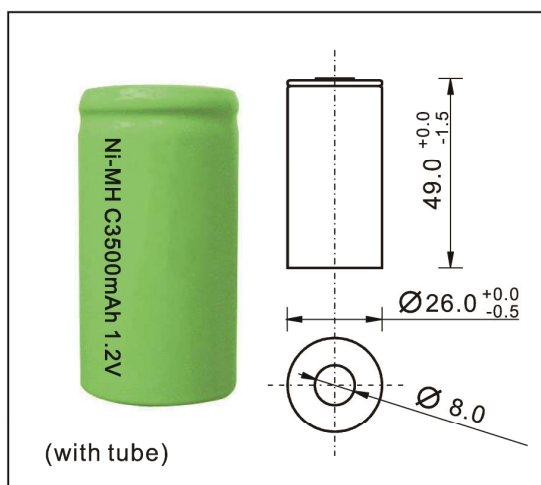
Ni-MH Battery



Document Title: TH-C3500C 1.2V

Revision: A/0

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Type: Rechargeable Nickel Metal Hydride Cylindrical Cell

Nominal Dimension: $\Phi=26.0\text{mm}$ $H=49.0\text{mm}$

Applications: Recommended discharge current 350 to 7000mA

Nominal Voltage: 1.2V

Capacity: (mAh)	Rate	Minimum	Typical
	0.2C	3500(300min)	3675(310min)
When discharged to 1.0V at 20°C	0.5C	3150(114min)	3325(116min)
	1C	2800(54min)	2975(55min)

Charge Retention: 65% of nominal capacity after cell storage at 20°C for 28 days.

When discharged at 700mA to 1.0V at 20°C

Charge Condition: 350mA for 16hrs at 20°C

Fast Charge: 700mA to 1750mA (0.2C to 0.5C)
charge termination control recommended
control parameters:
- ΔV : 5mV
DT/dt : 0.8°C/min(0.2C to 0.5C)
TCO : 45-50°C
Timer : 105% nominal input
(for ref. only)

Service Life: >500 Cycles (IEC standard)

Continuous 350mA maximum current for 48 hrs.

Overcharge: No conspicuous deformation and/or leakage

Approx Weight: 66.0g

Internal Resistance: Average 15m Ω upon fully charged
Rance 13-20m Ω at 1000Hz

Max. Charging Voltage: 1.65V at 1750mA 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

