

Secondary Battery

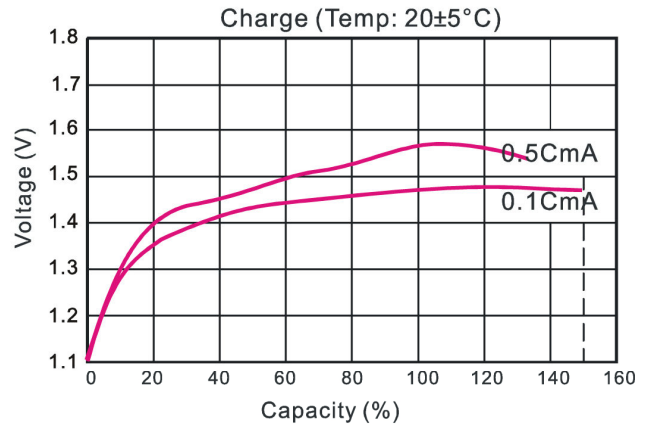
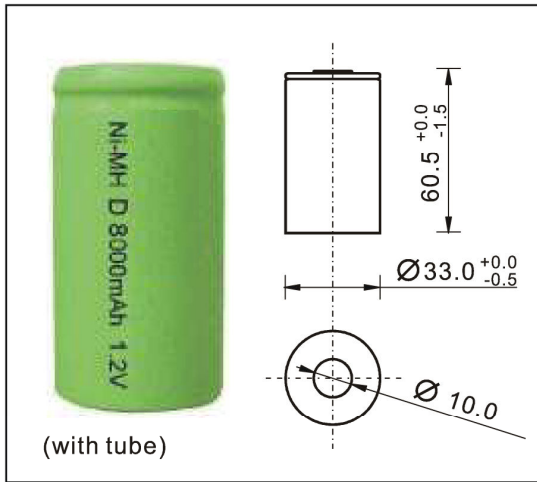
Ni-MH Battery



Document Title: TH-D8000C 1.2V

Revision: A/0

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Type: Rechargeable Nickel Metal Hydride Cylindrical Cell

Nominal Dimension: $\Phi=33.0\text{mm}$ $H=60.5\text{mm}$

Applications: Recommended discharge current 800 to 16000mA

Nominal Voltage: 1.2V

Capacity: (mAh)	Discharge current	Minimum
	When discharged to 1.0V at 20°C	1600mA(0.2C)
	4000mA(0.5C)	≥110mins
	8000mA(1C)	≥50mins

Charge Retention: 65% of nominal capacity after cell storage at 20°C for 28 days.
When discharged at 1600mA to 1.0V at 20°C

Charge Condition: 800mA for 16hrs at 20°C

Fast Charge: 1600mA to 4000mA (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 : 120% nominal input
(for ref.only)

Service Life: >500 Cycles (IEC standard)

Continuous Overcharge: 800mA maximum current for 48 hrs.
No conspicuous deformation and/or leakage

Approx Weight: 147g

Internal Resistance: Average 12m Ω upon fully charged
Rance 10-15m Ω at 1000Hz

Max. Charging Voltage: 1.65V at 1600mA 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

