

# Secondary Battery

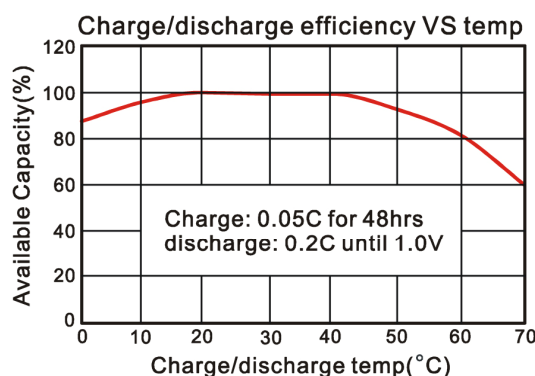
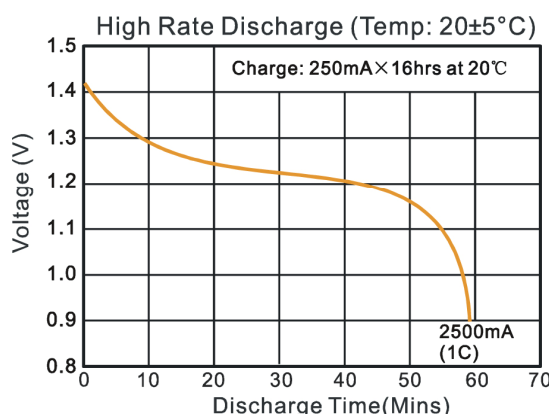
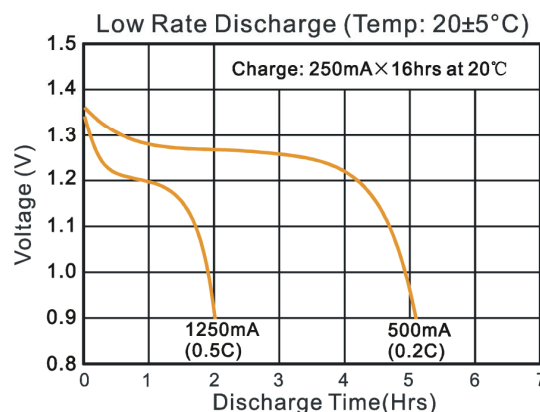
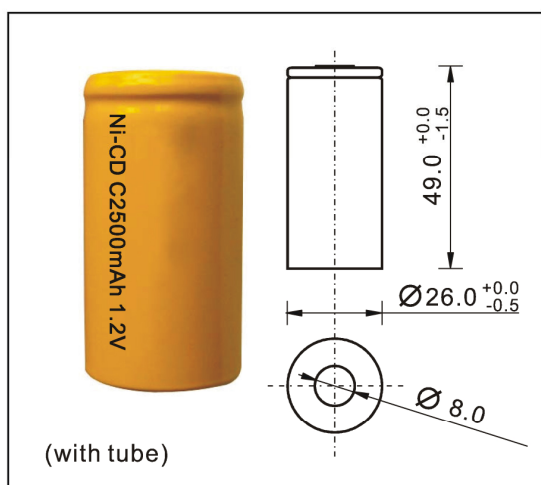
## Ni-CD Battery



Document Title: T-C2500T 1.2V

Revision: A/1

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**Type:** Rechargeable Nickel Cadmium Cylindrical Cell

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

**Applications:** Recommended discharge current 250 to 2500mA

**Nominal Voltage:** 1.2V

Capacity: (mAh)	Rate	Minimum	Typical
	When discharged to 1.0V at 20°C	0.2C	2500(300min)
	1C	2250(54min)	2375(57min)

**Charge Retention:** 65% of nominal capacity after cell storage at 20°C for 28 days.  
When discharged at 500mA to 1.0V at 20°C

**Charge Condition:** 250mA for 16hrs at 20°C

**Fast Charge:** 75mA to 125mA (0.03C to 0.05C)  
charge termination control recommended control parameters:  
- $\Delta V$  : 5mV  
DT/dt : 0.8°C/min(0.03C to 0.05C)  
TCO : 45-50°C

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

**Continuous** 250mA maximum current for 48 hrs.

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

**Approx Weight:** 63.0g

**Internal Resistance:** Average 22m $\Omega$  upon fully charged  
Rance 15-28m $\Omega$  at 1000Hz

**Max. Charging Voltage:** 1.55V at 500mA 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