

Secondary Battery

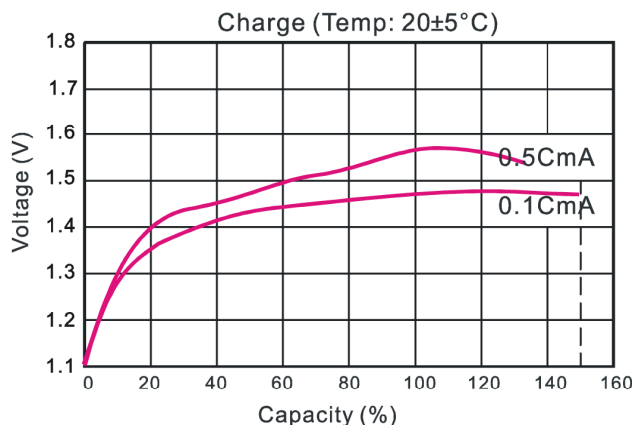
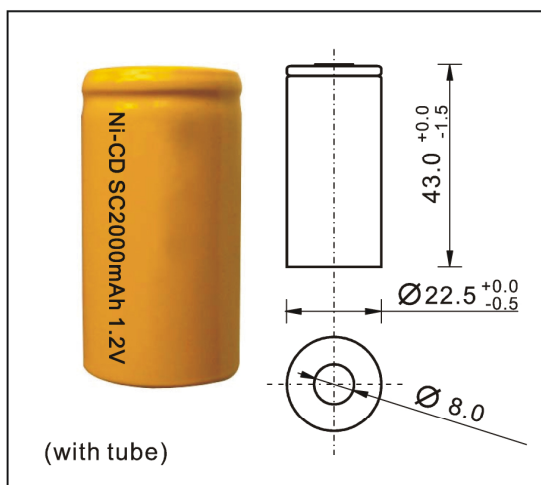
Ni-CD Battery



Document Title: T-SC2000C 1.2V

Revision: A/1

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Type: Rechargeable Nickel Cadmium Cylindrical Cell

Nominal Dimension: $\Phi=22.5\text{mm}$ H=43.0mm

Applications: Recommended discharge current 200 to 4000mA

Nominal Voltage: 1.2V

Capacity: (mAh)	Rate	Minimum	Typical
	0.2C	2000(300min)	2100(310min)
When discharged to 1.0V at 20°C	0.5C	1900(114min)	1900(116min)
	1C	1600(54min)	1867(56min)

Charge Retention: 65% of nominal capacity after cell storage at 20°C for 28 days.
When discharged at 400mA to 1.0V at 20°C

Charge Condition: 200mA for 16hrs at 20°C

Fast Charge: 400mA to 2000mA (0.2C to 1C)
charge termination control recommended control parameters:
- ΔV : 5mV
DT/dt : 0.8°C/min(0.2C to 1C)
TCO : 45-50°C
Timer : 105% nominal input (for ref. only)

Service Life: >500 Cycles (IEC standard)

Continuous: 200mA maximum current for 48 hrs.

Overcharge: No conspicuous deformation and/or leakage

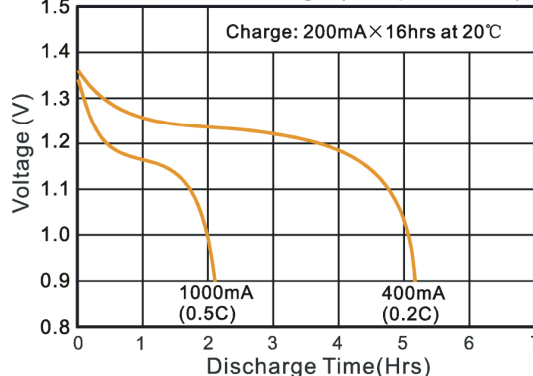
Approx Weight: 69.0g

Internal Resistance: Average 13 m Ω upon fully charged
Rance 10-18m Ω at 1000Hz

Max. Charging Voltage: 1.55V at 400mA 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

Low Rate Discharge (Temp: 20±5°C)



High Rate Discharge (Temp: 20±5°C)

