

Secondary Battery

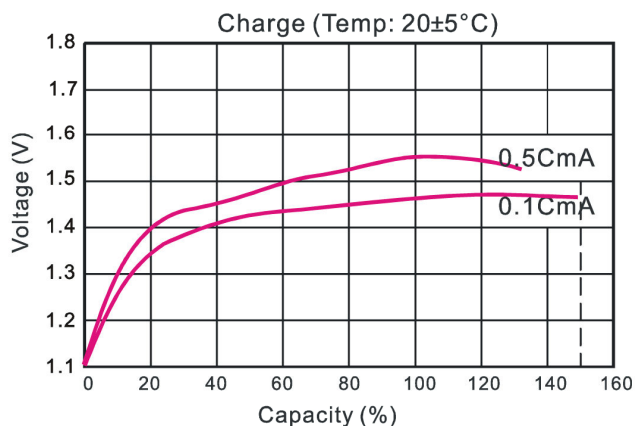
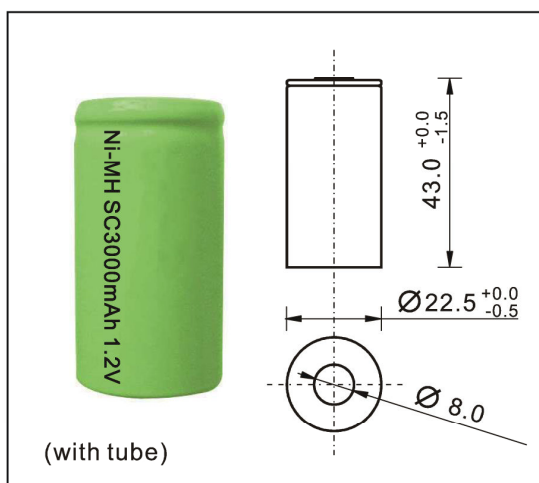
Ni-MH Battery



Document Title: TH-SC3000C 1.2V

Revision: A/0

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Type:	Rechargeable Nickel Metal Hydride Cylindrical Cell		
Nominal Dimension:	Φ=22.5mm H=43.0mm		
Applications:	Recommended discharge current 300 to 6000mA		
Nominal Voltage:	1.2V		
Capacity: (mAh)	Rate	Minimum	Typical
When discharged to 1.0V at 20°C	0.2C	3000(300min)	3150(310min)
	0.5C	2850(114min)	2900(116min)
	1C	2700(54min)	2800(56min)
Charge Retention:	65% of nominal capacity after cell storage at 20°C for 28 days. When discharged at 600mA to 1.0V at 20°C		
Charge Condition:	300mA for 16hrs at 20°C		
Fast Charge:	600mA to 1800mA (0.2C to 0.6C) charge termination control recommended control parameters: -ΔV : 5mV DT/dt : 0.8°C/min(0.2C to 0.6C) TCO : 45-50°C Timer : 105% nominal input (for ref.only)		
Service Life:	>500 Cycles (IEC standard)		
Continuous	300mA maximum current for 48 hrs.		
Overcharge:	No conspicuous deformation and/or leakage		
Approx Weight:	53.0g		
Internal Resistance:	Average 20 mΩ upon fully charged Range 15-25 mΩ at 1000Hz		
Max. Charging Voltage:	1.52V at 600mA 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	

