

Secondary Battery

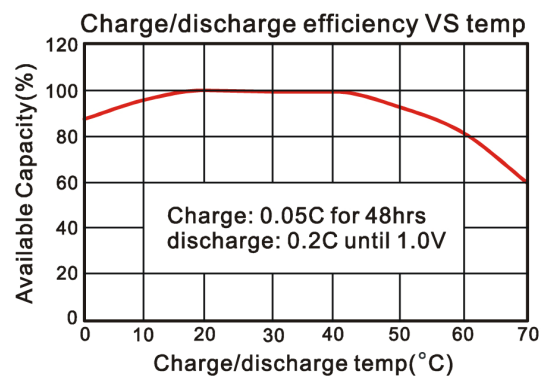
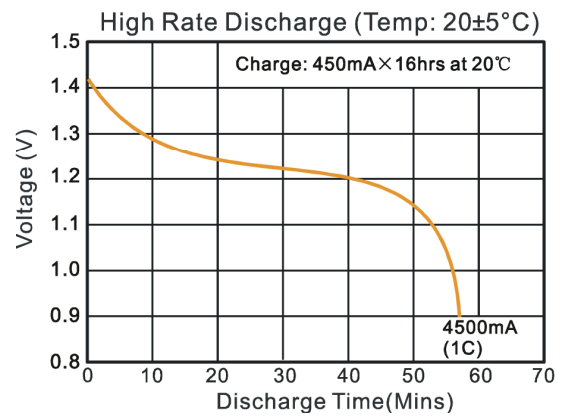
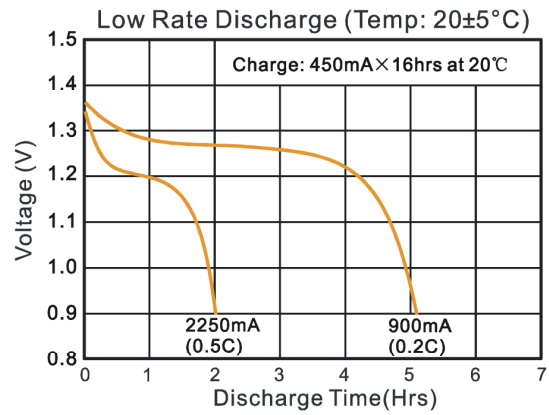
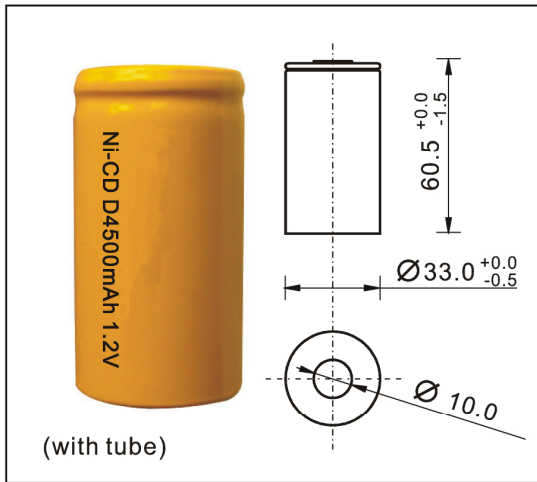
Ni-CD Battery



Document Title: T-D4500T 1.2V

Revision: A/1

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Type:	Rechargeable Nickel Cadmium Cylindrical Cell		
Nominal Dimension:	Φ=33.0mm H=60.5mm		
Applications:	Recommended discharge current 450 to 4500mA		
Nominal Voltage:	1.2V		
Capacity: (mAh)	Rate	Minimum	Typical
When discharged to 1.0V at 20°C	0.2C	4500(300min)	4725(315min)
	0.5C	4125(110min)	4200(112min)
Charge Retention:	65% of nominal capacity after cell storage at 20°C for 28 days. When discharged at 900mA to 1.0V at 20°C		
Charge Condition:	450mA for 16hrs at 20°C		
Fast Charge:	135mA to 225mA (0.03C to 0.05C) charge termination control recommended control parameters: -ΔV : 5mV DT/dt : 0.8°C/min(0.03C to 0.05C) TCO : 45-50°C		
Service Life:	>500 Cycles (IEC standard)		
Continuous Overcharge:	450mA maximum current for 48 hrs. No conspicuous deformation and/or leakage		
Approx Weight:	115.0g		
Internal Resistance:	Average 15mΩ upon fully charged Range 15-20mΩ at 1000Hz		
Max. Charging Voltage:	1.55V at 900mA 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	