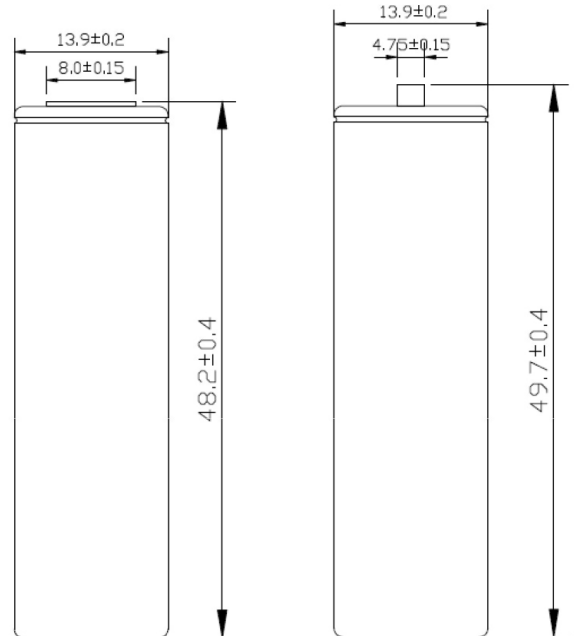


Sealed Rechargeable Nickel Cadmium Battery

Specifications

Nominal Capacity		800mAh	
Nominal Voltage		1.2V	
Charge Current		Standard	80mA
		Quick	240mA
		Fast	800mA
Charge Time		Standard	14 ~ 16 Hrs
		Quick	4.0 Hrs
		Fast	1.3 Hrs
Ambient Temperature	Charge	Standard	0°C ~ 35°C
		Quick	10°C ~ 35°C
		Fast	10°C ~ 35°C
	Discharge		-30°C ~ 60°C
Storage		-30°C ~ 35°C	
Internal Impedance (mΩ) (Fully charged)		Max ≤ 30	
Weight		19.2g	



Performance

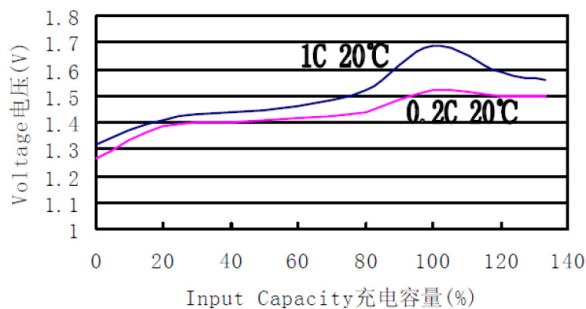
Test Item	Test Condition				Requirements
Standard Charge	16hr, 80mA (0.1C) 160mA (0.2), 1.0V				
Open-Circuit Voltage	1hr after charging				≥ 1.25V
Capacity	160mA, cut-off voltage 1.0V				≥ 800mAh
High Rate Discharge	800mA 1.0V				≥ 54 minutes
Fast Charge	800mA				≥ 1.3 hr
Trickle Charge Current	26.4mA (0.033C) ~ 40mA (0.05C)				
Charge Retention	160mA, cut-off voltage 1.0V [After 28 days/20°C]				≥ 70%
IEC Cycle Life	Cycle No	Charge	Rest	Discharge	≥ 500
	1	0.10C X 16h	None	0.25C X 140min	
	2-48	0.25C X 190min	None	0.25C X 140min	
	49	0.25C X 190min	None	0.25C to 1.0v	
	50	0.10C X 16h	1-4h	0.20C to 1.0v	

Sealed Rechargeable Nickel Cadmium Battery

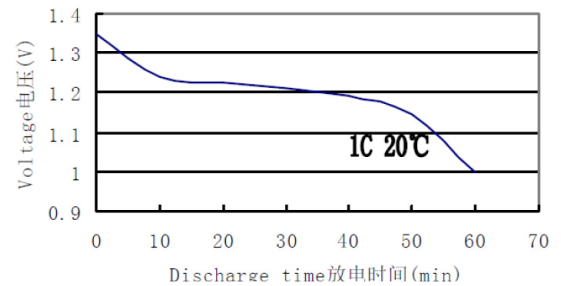
■ Specifications (Cont.)

Test	Test Condition	Requirements
Accelerated Cycle Life	Charge: 800mA X 1.3h Discharge: 800mA to 1.0V	≥ 400
Safety Valve Operation	800mA (1C) for 60 minutes after pre-discharge at cc 160mA (0.2C) to 0V	No Leakage No Explosion
Leakage	400mA (0.5C) 2.4hr, stand for 14 days	No Leakage
Vibration Resistance	0.1C 16hrs / A=1.5mm / 3000CPM / 60 minutes	$\Delta \geq 0.02V$ / $\geq 5m\Omega$
Impact Resistance	0.1C 16hrs Height 50cm H=50cm / Wood / 3 times	$\Delta \geq 0.02V$ / $\geq 5m\Omega$

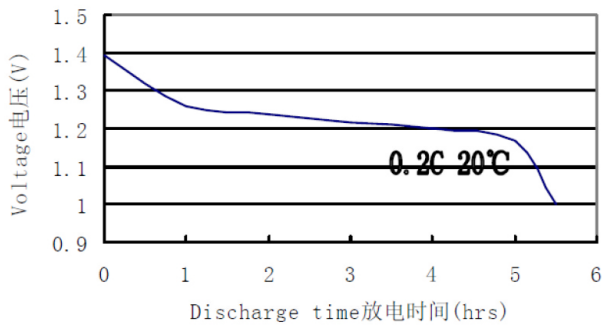
■ Charge



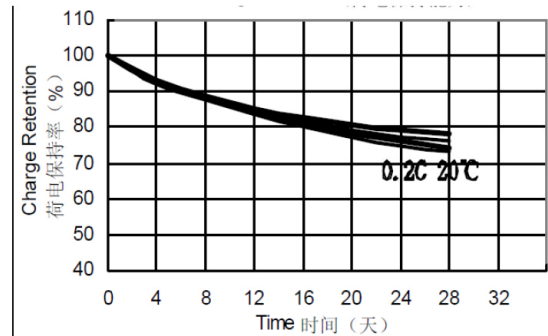
■ Discharge at high rate



■ Discharge at low rate



■ Charge Retention



■ Safety Warnings

Precautions in Handling of Nickel Cadmium Batteries

Care must be exercised when handling batteries to ensure that short circuiting, puncturing or deformation does not occur which may result in heat generation, leakage, explosion or possibility of a fire which might cause injury.

Do not insert batteries in reverse.

Observe the + and - markings on battery and equipment. When batteries are inserted in reverse they may be short-circuited. This may cause overheating, explosion, or fire.

WARNING.

Keep batteries out of reach of children. Serious harm can occur if swallowed. Seek immediate medical help if swallowed.