

# Nickel-Metal Hydride Rechargeable Battery Data Sheet

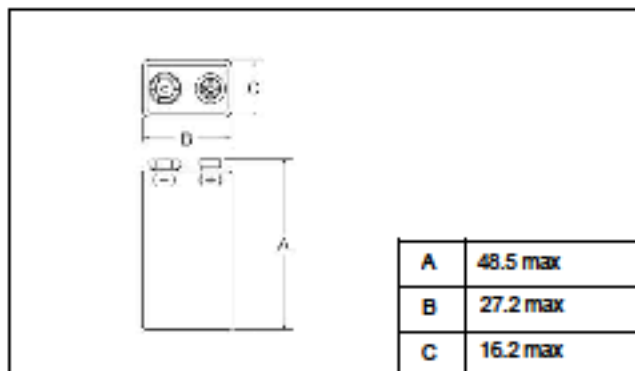
## Electrical

Nominal Voltage:	8.4 V
Nominal Capacity:	250 mAh
Minimal Capacity:	230 mAh
Standard Charge:	25 mA, 16 hrs
Rapid Charge:	125 mA, 2.4 hrs (control required)
Max. Continuous Discharge:	750 mA
Final Discharge Voltage:	7.0 V (less than 1.0C)
Weight:	40.5 g (Approx)
Service Life:	≥ 500 cycles
(According to IEC 61951-2-2003)	
Internal Resistance:	≤550 mΩ
Ambient Temperature:	Standard charge: 0 ~ 45°C
	Rapid charge: 10 ~ 40°C
	Discharge: -20 ~ 50°C
Store (65±20% RH):	Less than 30 days: -20 ~ 50°C
	Less than 90 days: -20 ~ 40°C
	Less than 360 days: -20 ~ 30°C

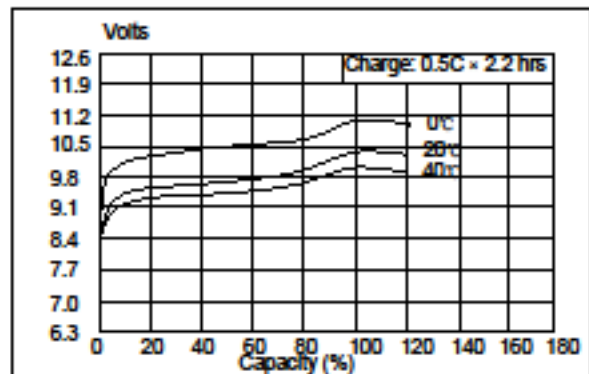
### Note:

- Capacity obtained after charge at 0.1C for 16 hrs and discharge at 0.2C to 7.0V at 20°C.
- Control required:
  - 1)  $\Delta V$ : 35 ~ 70mV
  - 2)  $dT / dt$ : 0.8°C/min
  - 3)  $T_{co}$ : 40 ~ 50°C
  - 4) Timer cut-off: 110% input capacity.

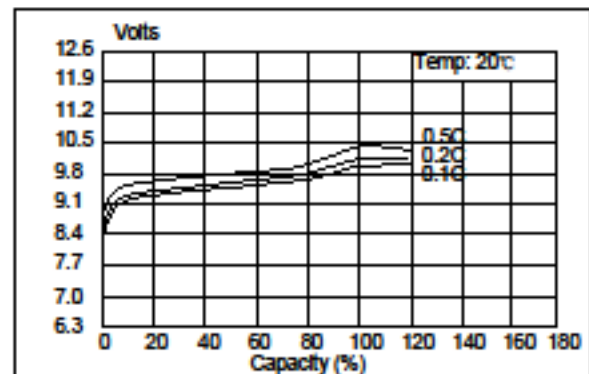
## Dimensions (mm)



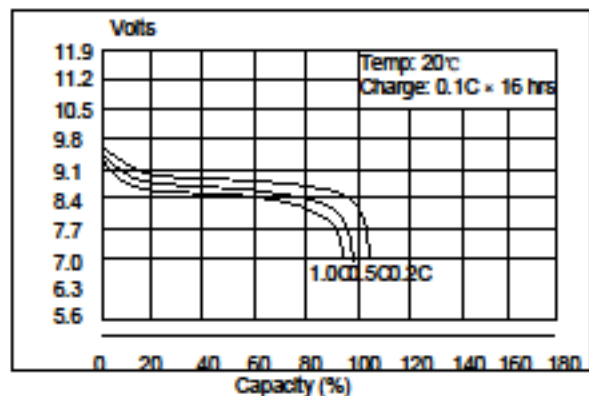
## Charging Characteristics ( I )



## Charging Characteristics ( II )



## Discharge Characteristics



## Storage Characteristics

