

# **DATA SHEET**

: Rechargeable Nickel Metal Type

Hydride Cylindrical Cell

**Nominal Dimension**  $: \Phi = 14.5 \text{mm}$ (with Sleeve) H = 50.5 mm

: Recommended discharge current **Applications** 

200 to 6000mA

**Nominal Voltage** : 1.2V

Capacity : Nominal: 2000mAh

Minimum: 2000mAh Typical: 2050mAh

When discharged at 400mA to

1.0V at 20℃

**Charge Retention** 80% of nominal capacity after cell storage at

20°C for 6months

75% of nominal capacity after cell storage at

20°C for 12months

When discharged at 400mA to 1.0V at 20°C

**Charging Condition** : 200mA for 16 hrs at 20  $^\circ\!\text{C}$ 

: 1000mA to 2000mA (0.5 to 1C) **Fast Charge** 

charge termination control recommended

control parameters:

-ΔV :0-5mV

DT/dt : 0.8°C/min (0.5 to 0.9C)

0.8 - 1°C/min (1C)

TCO :45 - 50℃

Timer : 105% nominal input

(for ref. only)

Service Life :  $\sim$ 1000 cycles (IEC standard)

**Continuous** : 200mA maximum current for 1 year. Overcharge No conspicuous deformation and/or

leakage

: 30.0g Weight

**Internal Resistance** : Average  $21m\Omega$  upon fully charged

(Range  $18 - 28m\Omega$ ) at 1000Hz

Max. Charging Voltage

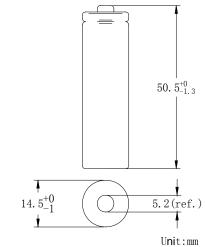
**Ambient Temperature** 

Range

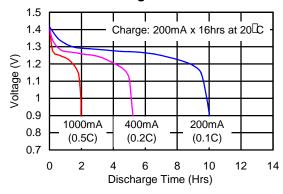
: 1.5V at 200mA charging : Standard Charge: 0 to 45°C

Fast Charging: 10 to 45°C Discharge: -20 to 50°C Storage: -20 to 30℃

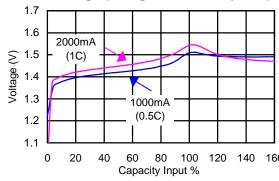
Model No.: GP210AAHCB



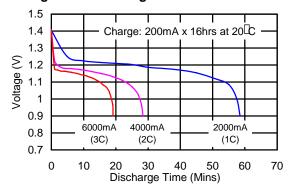
#### Low Rate Discharge



## Fast Charge (Charge Control Required)



### **High Rate Discharge**



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