

## DATA SHEET

Type : Rechargeable Nickel Metal Hydride Cylindrical Cell

Nominal Dimension (with Sleeve) H = 50.0mm Applications : Recommend

: Recommended discharge current

300mA to 3A

Nominal Voltage : 1.2V

Capacity : Nominal: 3000mAh Minimum: 3000mAh

Typical: 3000mAh

When discharged at 600mA to 1.0V at 20°C

Charging Condition : 300mA for 16hrs at 20℃ Charge Retention : 80% of nominal capacity

: 80% of nominal capacity after cell storage at

20°C for 24months

When discharged at 600mA to 1.0V at 20℃

Fast Charge : 1500mA to 3000mA (0.5 to 1C)

charge termination control recommended

control parameters:

-∆V : 0-5mV

DT/dt : 0.8°C/min (0.5 to 0.9C)

0.8 - 1°C/min (>1C)

TCO : 45 - 50°C

Timer: 105% nominal input

(for ref. only)

Service Life : >1000 cycles (IEC standard)
Continuous : 300mA maximum current for 1 year.
Overcharge No conspicuous deformation and/or

Leakage

Weight : 70g

**Internal Resistance** : Average  $5m\Omega$  upon fully charged

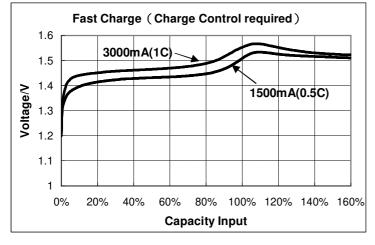
(Range 3-8m $\Omega$ ) at 1000Hz : 1.5V at 300mA charging

Max. Charging Voltage Ambient Temperature

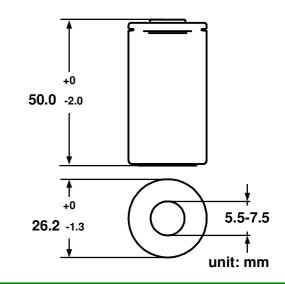
Range

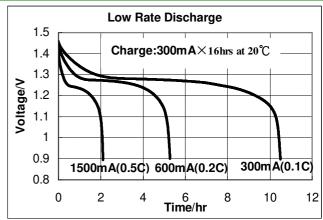
: Standard Charge : 0 to 45°C Fast Charging : 10 to 45°C Discharge : -20 to 50°C

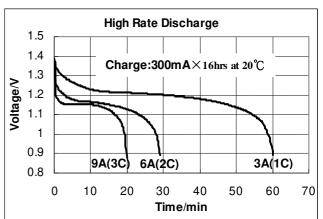
Discharge : -20 to 50°C Storage : -20 to 30°C



## Model No.: GP300CHCB







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www.gpbatteries.com

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