

GP Batteries

Data Sheet

Rechargeable Nickel Metal Hydride Battery

Model: 100AAHC (Revamp)

Revision History

Revision	Date	Initiator	Change Description
00	2016-3-24	Jackie Yu	New Issue

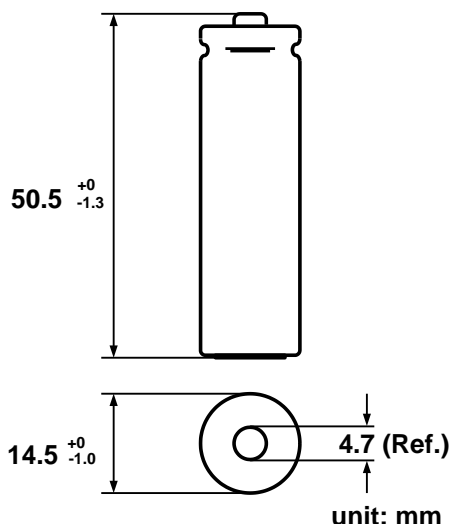
Prepared by	Checked by	Approver
RD Engineer	RD Manager	SM
SY Jiang	Jackie Yu	Vivian Fong
Date: 2016-3-24	Date: 2016-3-24	Date: 2016-3-24

GPI International Limited

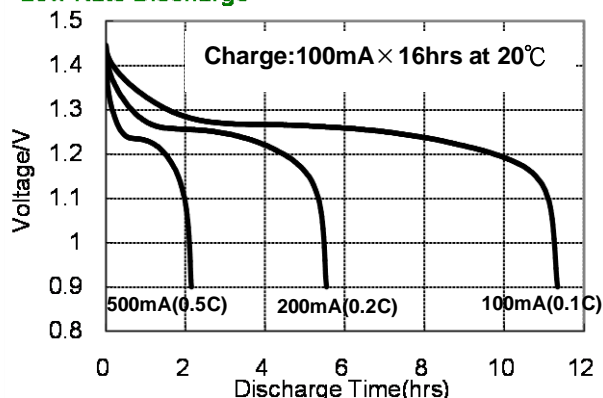
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Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 14.5\text{mm}$ H = 50.5mm
Applications	: Recommended discharge current 100 to 3000mA
Nominal Voltage	: 1.2V
Capacity	: Rated: 1000mAh Typical: 1050mAh When discharged at 200mA to 1.0V at 20°C
Charge Retention	: 80% of nominal capacity after cell storage at 20°C for 24 months When discharged at 200mA to 1.0V at 20°C
Charging Condition	: 100mA for 16hrs at 20°C
Fast Charge	: 500mA to 1000mA (0.5 to 1C) 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°C Timer : 105% nominal input (for ref. only)
Service Life	: >300 cycles (IEC standard)
Continuous Overcharge	: 100mA maximum current for 1 year. No conspicuous deformation and/or Leakage
Weight	: 20.0g
Internal Resistance	: Average 28m Ω upon fully charged (Max. 40m Ω) at 1000Hz
Max. Charging Voltage	: 1.5V at 100mA charging
Ambient Temperature Range	: Standard Charge : 0 to 45°C Fast Charging : 10 to 45°C Discharge : -20 to 50°C Storage : -20 to 35°C

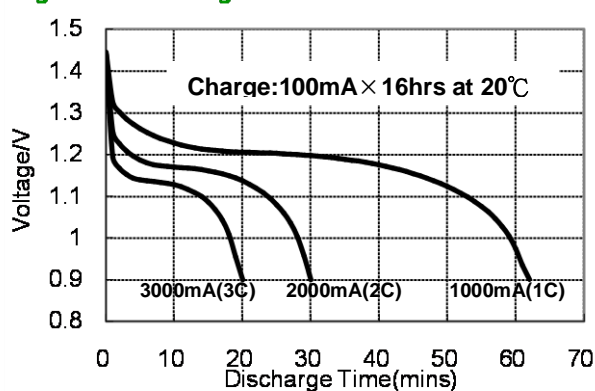
Model No.: **GP100AAHC**



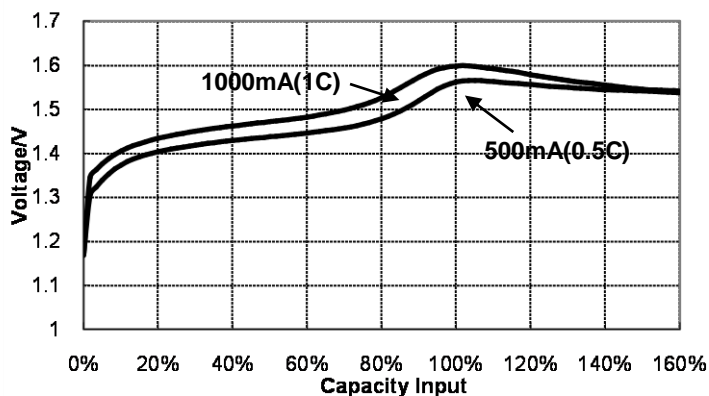
Low Rate Discharge



High Rate Discharge



Fast Charge (Charge Control required)



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