

GP Batteries

Data Sheet

Rechargeable Nickel Metal Hydride Battery

Model: GP135AAH

Revision History

Revision	Date	Initiator	Change Description
00	2014-5-24	Jackie Yu	1. New Form 2. Replace the 'PMS2033 R4'
01	2015-7-30	Jackie Yu	1. Revised Page 2: Rated capacity and typical capacity 2. Add charging retention

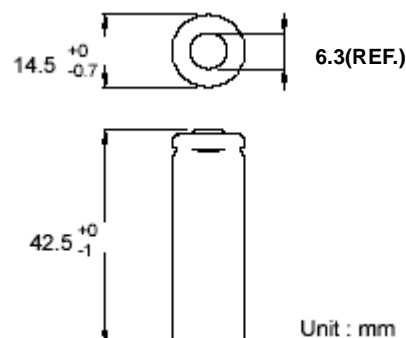
Prepared by	Checked by	Approver
RD Engineer	RD Manager	SM
SY Jiang	Jackie Yu	Vivian Fong
Date: 2015-7-30	Date: 2015-7-30	Date: 2015-7-30

GPI International Limited

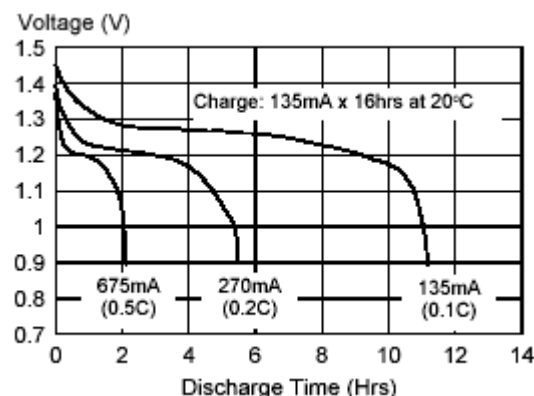
Gold Peak Building, 8/F, 30 Kwai Wing Road,
Kwai Chung, New Territories, Hong Kong.
Tel: (852) 2484 3333 Fax: (852) 24805912
Email: gpii@goldpeak.com
Website: <http://www.gpbatteries.com>

Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 14.5\text{mm}$ H = 42.5mm
Applications	: Recommended discharge current 135 to 4050 mA
Nominal Voltage	: 1.2V
Capacity	: Rated : 1350mAh Typical: 1400mAh When discharged at 270mA to 1.0V at 20°C
Charging Condition	: 135mA for 16 hrs at 20°C
Charging Retention	: 80% of Rated capacity after cell storage at 20°C for 12 months When discharged at 270mA to 1.0V at 20°C
Fast Charge	: 675mA to 1350mA (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	: >500 cycles (IEC standard)
Continuous Overcharge	: 135mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	: 22.8g
Internal Resistance	: Average 25m Ω upon fully charged (Max. 35m Ω) at 1000Hz
Max. Charging Voltage	: 1.5V at 135mA 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

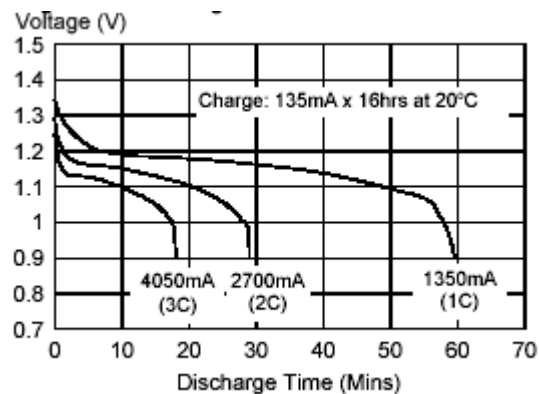
Model No.: **GP135AAH**



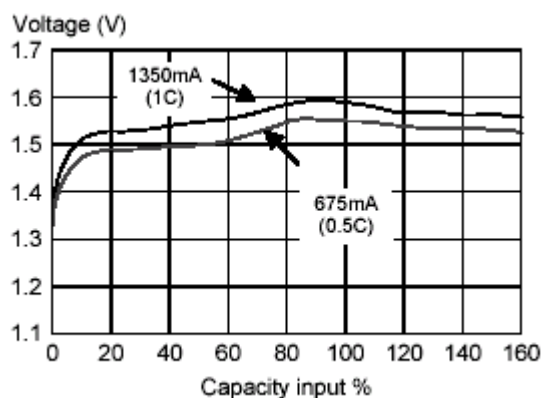
Low Rate Discharge



High Rate Discharge



Fast Charge (Charge Control Required)



The information (subject to change without prior notice) contained in this document is for reference only and should not be used as a basis for product guarantee or warranty. For applications other than those described here, please consult your nearest GP Sales and Marketing Office or Distributors.

MRS6223 rev.01