

GP Batteries

Data Sheet

Rechargeable Nickel Metal Hydride Battery

Model: GP25AAH

Revision History

Revision	Date	Initiator	Change Description
00	2014-5-24	Jackie Yu	1. New Form 2. Replace the 'TRS0333 R2'
01	2014-10-29	Jackie Yu	1. Add charging retention

Prepared by	Checked by	Approver
RD Engineer	RD Manager	SM
XM Hu	Jackie Yu	Vivian Fong
Date: 2014-10-29	Date: 2014-10-29	Date: 2014-10-29

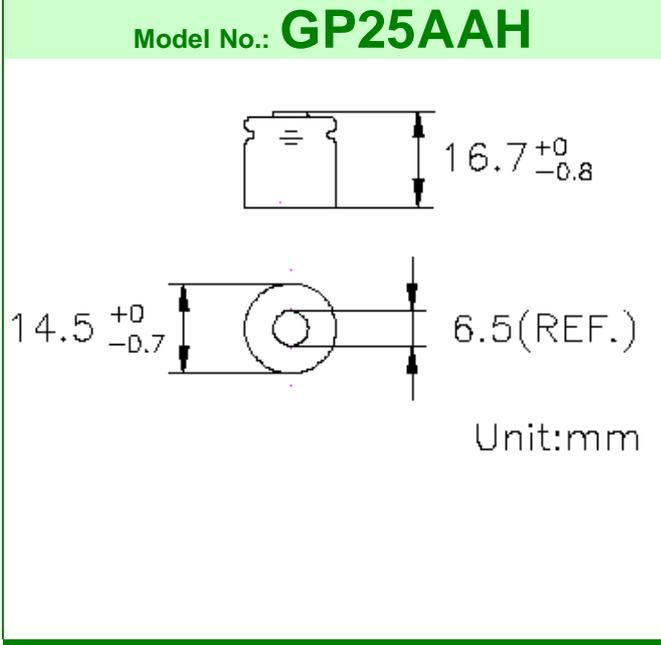
GPI International Limited

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>

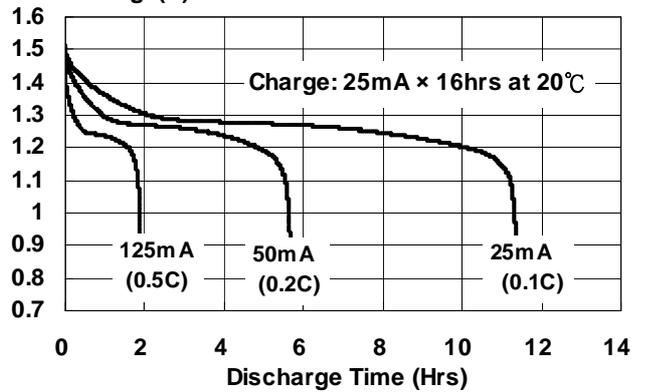
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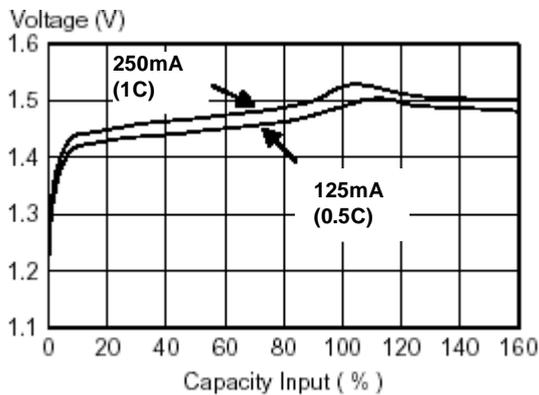
Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 14.5\text{mm}$ H = 16.7mm
Applications	: Recommended discharge current 25 to 750mA
Nominal Voltage	: 1.2V
Capacity	: Rated: 250mAh Typical: 270mAh When discharged at 50mA to 1.0V at 20°C
Charging Retention	: 80% of nominal capacity after cell storage at 20°C for 12 months When discharged at 50mA to 1.0V at 20°C
Charging Condition	: 25mA for 16 hrs at 20°C
Fast Charge	: 125mA to 250mA (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	: 25mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	: 8.0g
Internal Resistance	: Average 65m Ω upon fully charged (Max. 80m Ω) at 1000Hz
Max. Charging Voltage	: 1.5V at 25mA 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



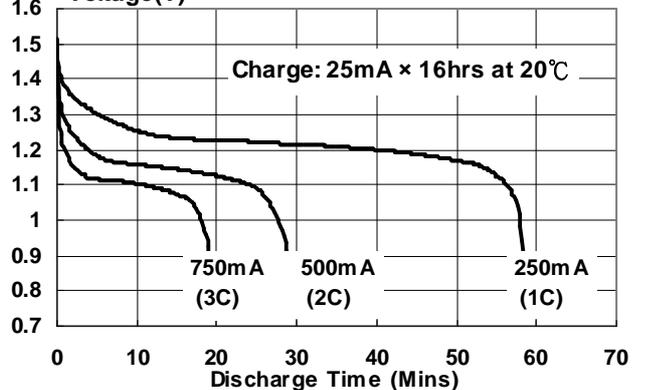
Low Rate Discharge
Voltage(V)



Fast Charge (Charge Control Required)



High Rate Discharge
Voltage(V)



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