



## Data Sheet

### Rechargeable Nickel Metal Hydride Battery

**Model: GP250AFH**

#### Revision History

Revision	Date	Initiator	Change Description
00	2011-08-02	Jackie Yu	To replace ZRS6168
01	2014-05-28	YS Liu	New form

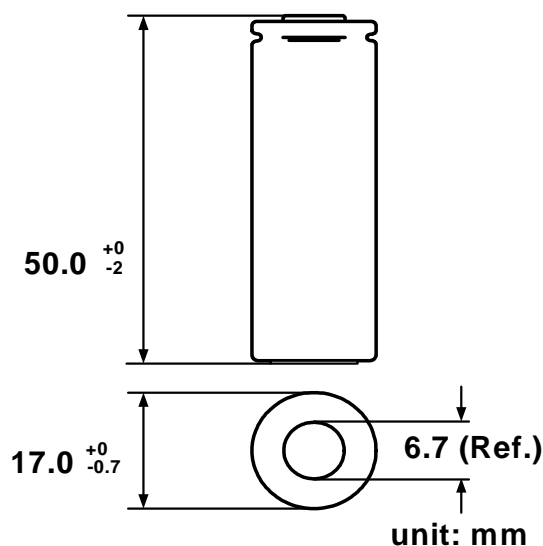
Prepared by	Checked by	Approver
RD Engineer	RD Manager	SM
YS Liu	Jackie Yu	Vivian Fong
Date: 2014-5-28	Date: 2014-5-28	Date: 2014-5-28

#### **GPI International Limited**

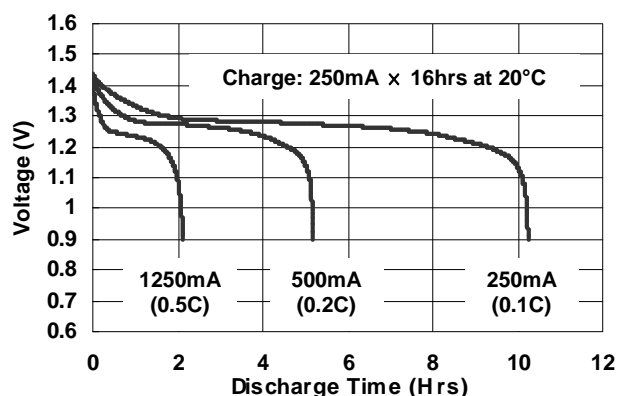
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Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 17.0\text{mm}$ H = 50.0mm
Applications	: Recommended discharge current: 250mA to 7500mA
Nominal Voltage	: 1.2V
Capacity	: Nominal: 2500mAh Minimum: 2500mAh Typical: 2550mAh When discharged at 500mA to 1.0V at 20°C
Charging Condition	: 250mA for 16hrs at 20°C
Fast Charge	: 1250mA to 2500mAh (0.5 to 1C) charge termination control recommended control parameters: - $\Delta V$ : 0-5mV DT/dt : 0.8°C/min(0.5C 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	: 250mA maximum current for 1 year No conspicuous deformation and/or no leakage
Weight	: 39.0g
Internal Resistance	: Average 20 m $\Omega$ upon fully charged (Max. 30m $\Omega$ ) at 1000Hz
Max. Charging Voltage	: 1.5V at 250mA charging
Ambient Temperature Range	: Standard Charging : 0 to 45°C Fast Charging : 10 to 45°C Discharge : -20 to 50°C Storage : -20 to 35°C Storage (1 week) : -20 to 60°C

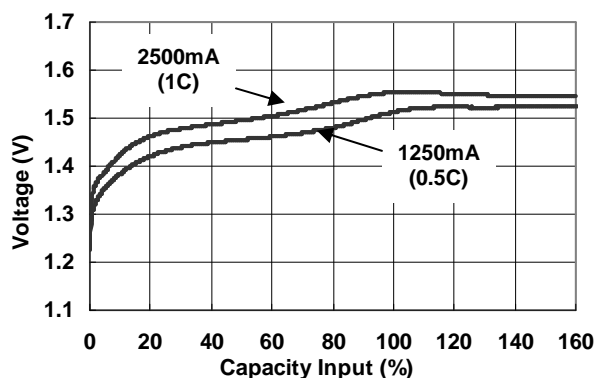
Model No.: **GP250AFH**



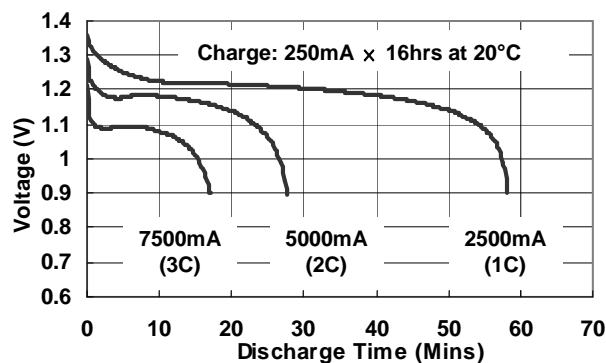
### Low Rate Discharge



### Fast Charge (Charge Control Required)



### High Rate Discharge



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