

GP Batteries

Data Sheet

Rechargeable Nickel Metal Hydride Battery

Model: GP15R8HB

Revision History

Revision	Date	Initiator	Change Description
03	2014-10-28	DT Yu	Change Charge Retention from "80% of nominal capacity after cell storage at 20°C for 12months" to "80% of nominal capacity after cell storage at 20°C for 24months"

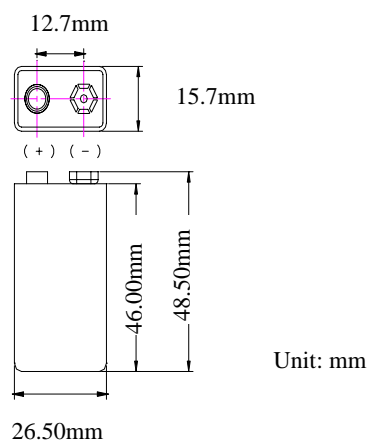
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Date: 2014-10-28	Date: 2014-10-28	Date:2014-10-28

GP International Limited

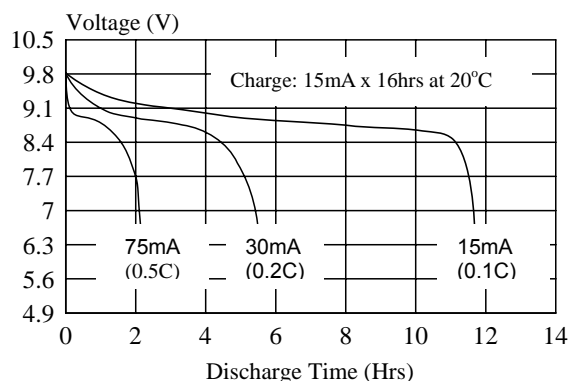
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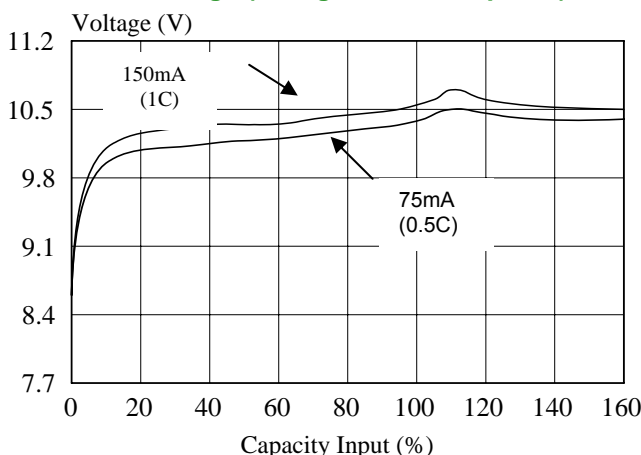
Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: 15.7mm(l) x 26.5mm(w) x 48.5mm(h)
Applications	: Recommended discharge current 15 to 450mA
Nominal Voltage	: 8.4V
Capacity	: Nominal: 150mAh Minimum: 150mAh Typical: 155mAh When discharged at 30mA to 7.0V at 20°C
Charging Condition	: 15mA for 16 hrs at 20°C
Charging Retention	: 80% of nominal capacity after cell storage at 20°C for 24months When discharged at 30mA to 7.0V at 20°C
Fast Charge	: 75mA to 150mA (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	: >1000 cycles (IEC standard)
Continuous Overcharge	: 15mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	: 32.0g
Internal Resistance	: Maximum 2000mΩ upon fully charged at 1000Hz
Max. Charging Voltage	: 12.0V at 15mA 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



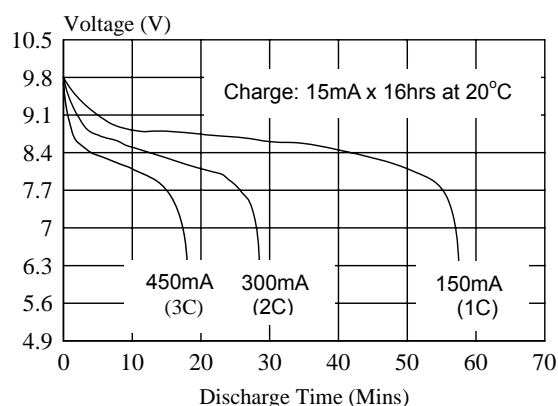
Low Rate Discharge



Fast Charge (Charge control required)



High Rate Discharge



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