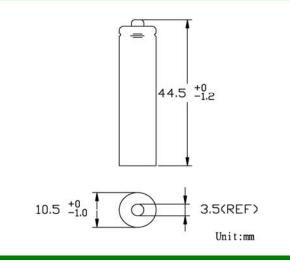


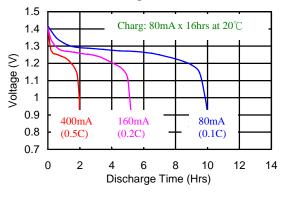
# **DATA SHEET**

Type	: Rechargeable Nickel Metal
	Hydride Cylindrical Cell
Nominal Dimension	$\Phi = 10.5 \text{mm}$
(with Sleeve)	H = 44.5 mm
Applications	: Recommended discharge current
	80 to 2400mA
Nominal Voltage	: 1.2V
Capacity	: Nominal: 800mAh
	Minimum: 800mAh
	Typical: 820mAh
	When discharged at 160mA to
	1.0V at 20°C
Charge Retention	80% of nominal capacity after cell storage at
	20°C for 24months
	When discharged at 160mA to 1.0V at 20°C
Charging Condition	: 80mA for 16 hrs at 20°C
Fast Charge	: 400mA to 800mA (0.5 to 1C)
	charge termination control recommended
	control parameters:
	-∆V : 0-5mV
	DT/dt : $0.8^{\circ}$ 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	: 80mA maximum current for 1 year.
Overcharge	No conspicuous deformation and/or
	leakage
Weight	: 14.0g
Internal Resistance	: Average 40mΩ upon fully charged
	(Range $20 - 60 \text{m}\Omega$ ) at $1000 \text{Hz}$
Max. Charging Voltage	: 1.5V at 80mA charging
Ambient Temperature	: Standard Charge : 0 to 45°C
Range	Fast Charging: 10 to 45°C
	Discharge: -20 to 50°C
	Storage: -20 to 30°C
	2001000

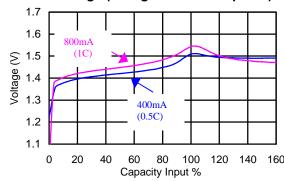
# Model No.: GP85AAAHCB



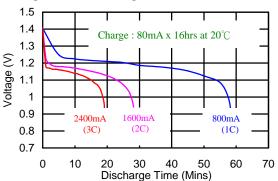
## Low Rate Discharge



#### Fast Charge (Charge Control Required)



### **High Rate Discharge**



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.

www.gpbatteries.com

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