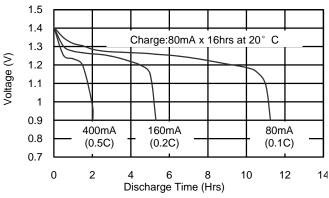


## **DATA SHEET**

Unit: mm

Туре	Rechargeable Nickel Metal
Type	Hydride Cylindrical Cell
Nominal Dimension	$\Phi = 10.5$ mm
(with Sleeve)	H = 44.5mm
Applications :	Recommended discharge current
Applications	80 to 2400 mA
Nominal Voltage :	1.2V
Capacity	Rated: 800mAh
Capacity	Typical: 820mAh
	When discharged at 160mA to
	1.0V at 20°C
Charging Con ition :	80mA for 16 hrs at 20°C
Charging Retention	70% of rated capacity after cell
	storage at 20°C for 5 years
	When discharged at 160mA to
	1.0V at 20℃
Fast Charge	400mA to 800mA (0.5 to 1C)
J	charge termination control
	recommended control parameters:
	-∆V : 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 :	>1500 cycles (IEC standard)
Continuous :	80mA maximum current for 1 year.
Overcharge	No conspicuous deformation and/or
	leakage
	14.0g
Internal Resistance	Average 40mΩ upon fully charged
	(Max.60mΩ) at 1000Hz
Max. Charging Voltage :	1.5V at 80mA charging
Ambient Temperature :	Standard Charge : 0 to 45℃
Range	Fast Charging : 10 to 45℃
	Discharge : -20 to 50°C
	Storage : -20 to 35°C

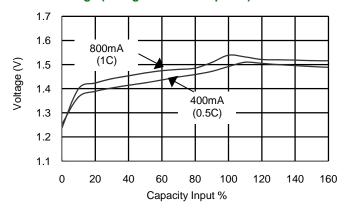
## Low Rate Discharge



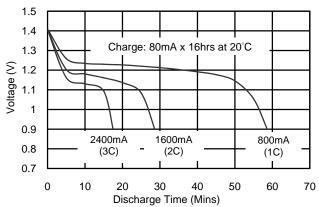
Model No.: GP85AAAHCBP

 $44.5^{+0}_{-1.2}$ 

## **Fast Charge (Charge Control Required)**



## **High Rate Discharge**



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