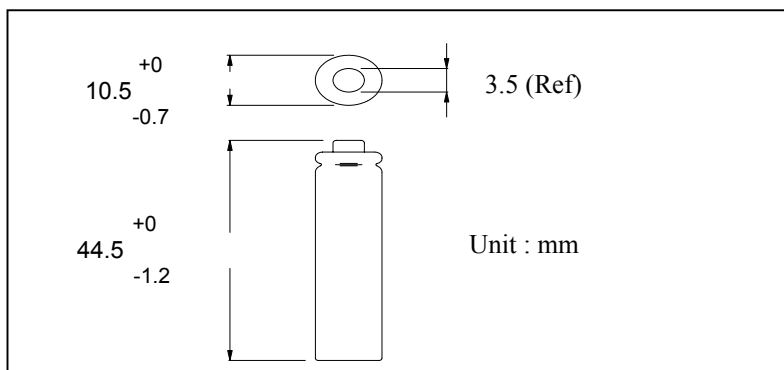


# GP Batteries

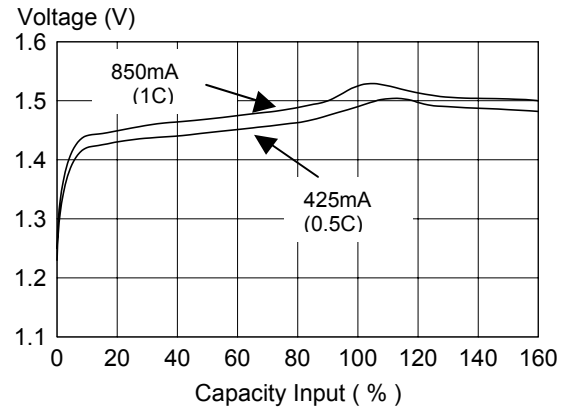
## Data Sheet

Model No.: GP85AAAHC

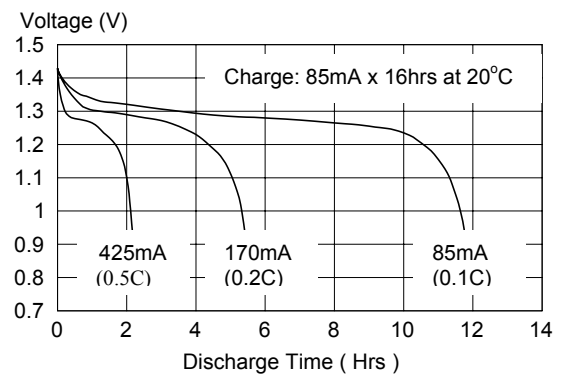
Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 10.5$ mm H = 44.5 mm
Applications	: Recommended discharge current 85 to 2550 mA
Nominal Voltage	: 1.2V
Capacity	: Minimum: 830 mAh Typical: 850 mAh when discharged at 0.2C to 1.0V at 20°C
Charging Condition	: 85 mA for 16 hrs at 20°C
Fast Charge	: 425 mA to 850 mA (0.5 to 1C) charge termination control recommended control parameters: - $\Delta V$ : 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 reference only
Service Life	: >500 cycles (IEC standard) Up to 1000 cycle (not less than 60% of nominal at 0.1C charge / 0.2C discharge)
Continuous Overcharge	: 85 mA maximum current for 1 year No conspicuous deformation and/or leakage
Weight	: 14.2 g
Internal Resistance	: Average 40 m $\Omega$ upon fully charged (Range 24 - 55 m $\Omega$ ) at 1000HZ
Max. Charging Voltage	: 1.5V at 85 mA charging
Ambient Temperature Range	: Standard Charging : 0 to 45°C Fast Charging : 10 to 45°C Discharging : -20 to 50°C Storage : -20 to 35°C



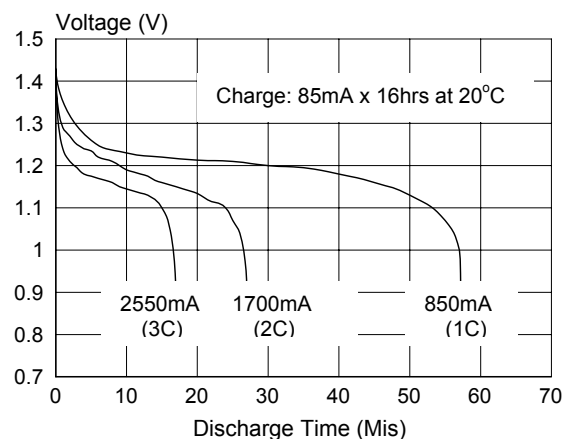
### Fast Charge (charge control required)



### Low rate discharge



### High Rate Discharge



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