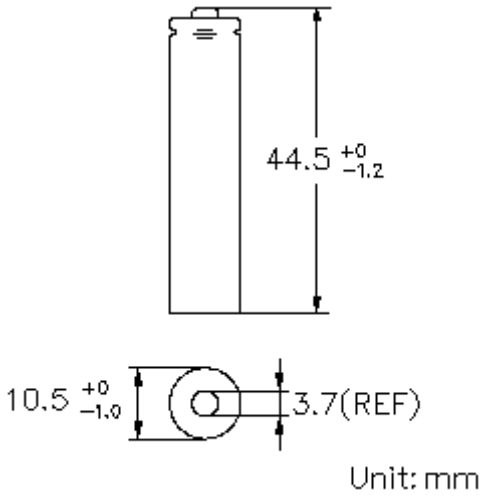
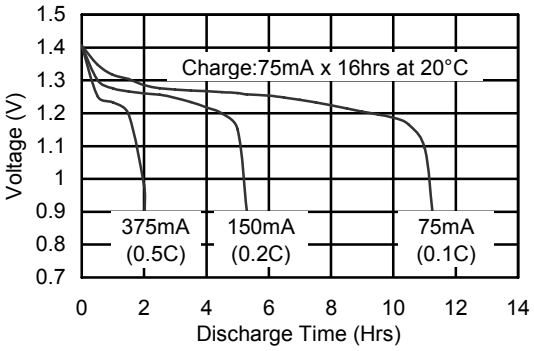
GP Batteries DATA SHEET

Model No.: GP75AAAHC

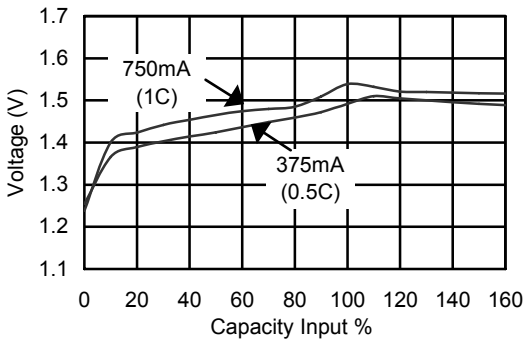
Type	:	Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	:	Φ= 10.5mm H = 44.5mm
Applications	:	Recommended discharge current 75 to 2250mA
Nominal Voltage	:	1.2V
Capacity	:	Rated: 750mAh Typical: 770mAh When discharged at 150mA to 1.0V at 20℃
Charging Condition	:	75mA for 16 hrs at 20℃
Charging Retention	:	80% of rated capacity after cell storage at 20℃ for 12 months When discharged at 150mA to 1.0V at 20℃
Fast Charge	:	375mA to 750mA (0.5 to 1C) charge termination control recommended control parameters: -△V : 0-5mV DT/dt : 0.8℃/min (0.5 to 0.9C) 0.8 - 1℃/min (1C) TCO : 45 - 50℃ Timer : 105% nominal input (for ref. only)
Service Life	:	>500 cycles (IEC standard)
Continuous Overcharge	:	75mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	:	13.0g
Internal Resistance	:	Average 40mΩ upon fully charged (Max. 50mΩ) at 1000Hz
Max. Charging Voltage	:	1.5V at 75mA charging
Ambient Temperature Range	:	Standard Charge : 0 to 45℃ Fast Charging : 10 to 45℃ Discharge : -20 to 50℃ Storage : -20 to 35℃



Low Rate Discharge



Fast Charge (Charge Control Required)



High Rate Discharge