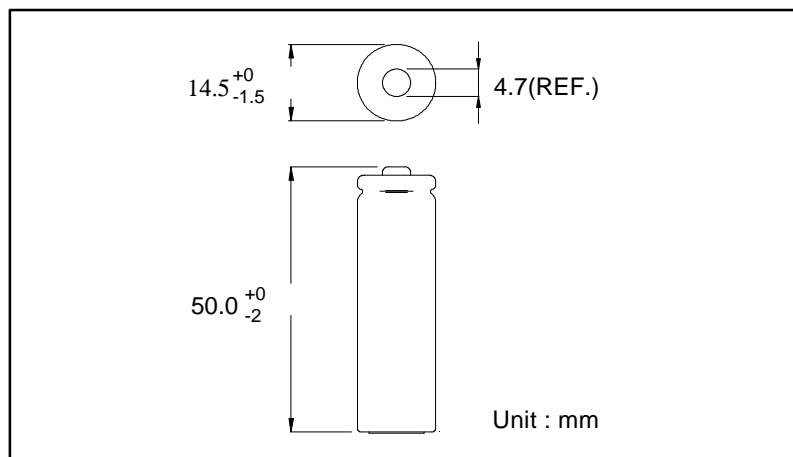


GP Batteries

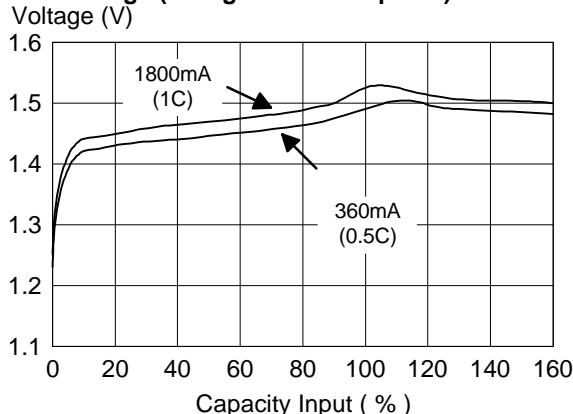
Data Sheet

Model No.: GP180AAHC

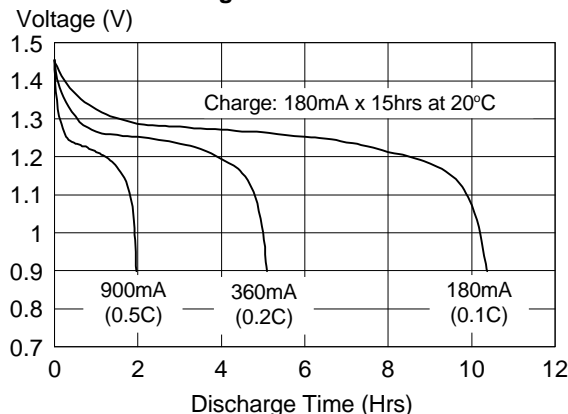
Type	Rechargeable Nickel Metal Hydride Cylindrical Cell		
Nominal Dimension (with Sleeve)	$\Phi = 14.5\text{mm}$ $H = 50.0\text{mm}$		
Applications	Recommended discharge current 180 to 5400mA		
Nominal Voltage	1.2V		
Capacity	Minimum: 1750mAh Typical: 1800mAh when discharged at 360mA to 1.0V at 20°C		
Charging Condition	180mA for 15 hrs at 20°C		
Fast Charge	900mA to 1800mA (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		
Service Life	>500 cycles (IEC standard) Up to 1000 cycles (not less than 60% of nominal at 0.1C charge / 0.2C discharge)		
Continuous Overcharge	180mA maximum current for 1 year No conspicuous deformation and/or leakage		
Weight	26.0g		
Internal Resistance	Average 22m Ω upon fully charged (Range 16-26m Ω) at 1000Hz		
Max. Charging Voltage	1.5V at 180mA 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



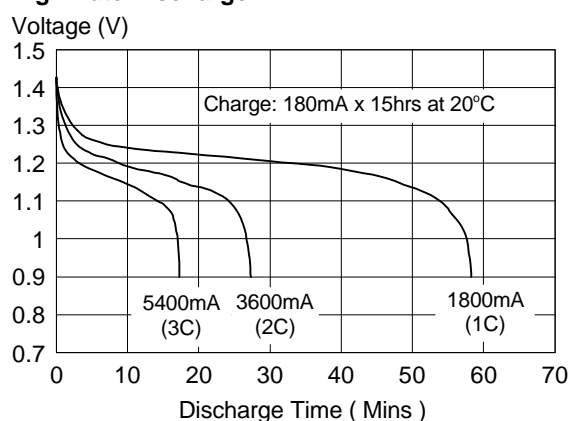
Fast Charge (Charge control required)



Low Rate Discharge



High Rate Discharge



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