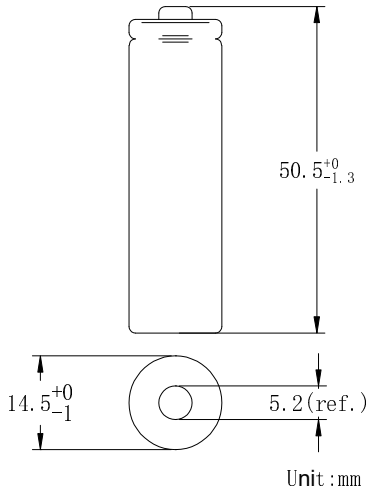
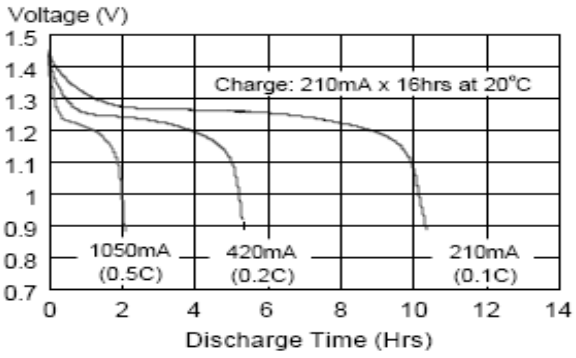
GP Batteries DATA SHEET

Model No.: GP210AAHCE

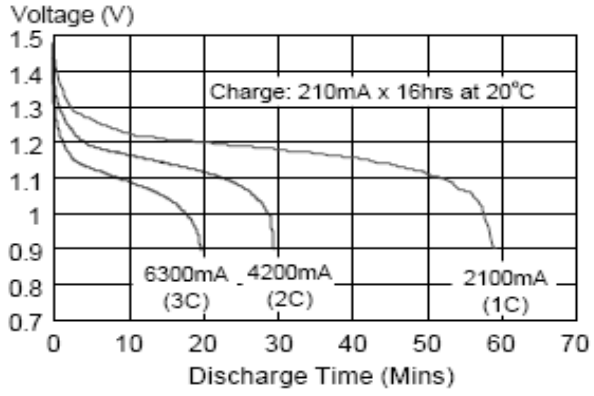
Type	:	Rechargeable Nickel Metal Hydride Cylindrical Cell
Recycled material content		Rechargeable Nickel Metal Hydride Battery Made with Minimum 10% Recycled materials
Nominal Dimension (with Sleeve)	:	Φ = 14.5mm H = 50.5mm
Applications	:	Recommended discharge current 210 to 6300mA
Nominal Voltage	:	1.2V
Capacity	:	Rated: 2100mAh Typical: 2150mAh When discharged at 420mA to 1.0V at 20°C
Charge Retention		80% of nominal capacity after cell storage at 20°C for 12months When discharged at 420mA to 1.0V at 20°C
Charging Conditions	:	200mA for 16 hrs at 20°C
Fast Charge	:	1050mA to 2100mA (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 (for ref. only)
Service Life	:	>500 cycles (IEC 2017 - 7.5.1.2) >200 cycles (IEC 2017 - 7.5.1.4)
Continuous Overcharge	:	210mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	:	27.2g
Internal Resistance	:	Average 18mΩ upon fully charged (Max.28mΩ) at 1000Hz
Max. Charging Voltage	:	1.5V at 210mA charging
Ambient Temperature Range	:	Standard Charge : 0 to 45°C Fast Charging : 10 to 45°C Discharge : -20 to 50°C Storage : -20 to 35°C



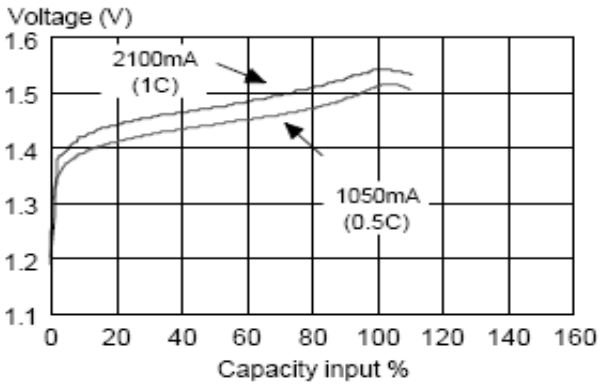
Low Rate Discharge



High Rate Discharge



Fast Charge (Charge Control Required)



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