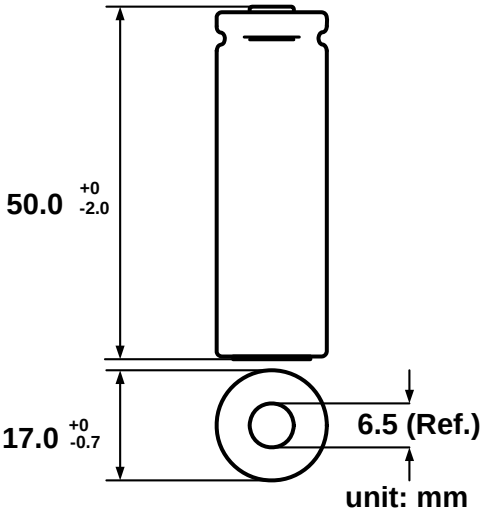
GP Batteries DATA SHEET

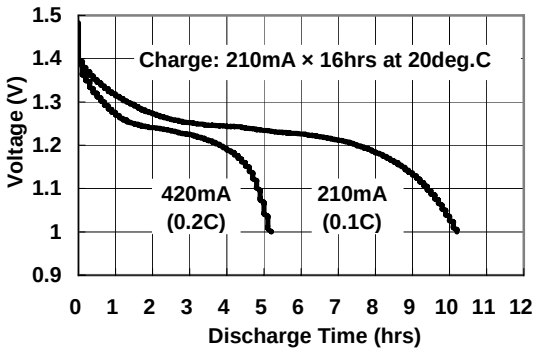
Model No.: GP210AFHT

Type	:	High Temperature Rechargeable Nickel Metal Hydride Cylindrical Cell
IEC Designation	:	T
Nominal Dimension (with Sleeve)	:	Φ = 17.0mm H = 50.0mm
Applications	:	Long term standby use. Recommended discharge current: 210mA to 1050mA
Nominal Voltage	:	1.2V
Capacity	:	Rated: 2100mAh Typical: 2200mAh When discharged at 420mA to 1.0V at 20℃
Charging Condition	:	Standard mode: 210mA for 16 hrs at 20℃ Standby intermittent mode: 210mA for 16 hrs at 20℃ then maintenance with 210mA for 1min/10mins.
Charging Retention	:	80% of rated capacity after cell storage at 20℃ for 12 months When discharged at 420mA to 1.0V at 20℃
Service Life	:	>500 cycles (IEC standard)
Continuous Overcharge	:	Comply with IEC standard Permanent Charge Endurance Test
Weight	:	38.0g
Internal Resistance	:	Average 23 mΩ upon fully charged (Max. 30mΩ) at 1000Hz
Max. Charging Voltage	:	1.6V at 210mA charging
Ambient Temperature Range	:	*Charge: 0 to 70℃ *Discharging: -20 to 70℃ Storage: -20 to 35℃ Storage (1 week): -20 to 60℃

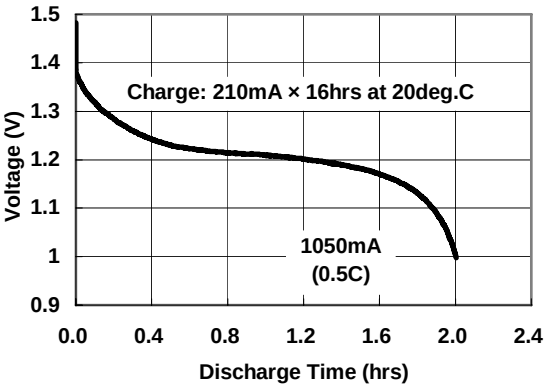
* Charge/discharge temperature range: 55~70°C shorter than 1 month



Low Rate Discharge



High Rate Discharge



Charge & Discharge efficiency Vs. temp.