GP Batteries

DATA SHEET

Туре	:	Rechargeable Nickel Metal
		Hydride Cylindrical Cell
Nominal Dimension	:	$\Phi = 14.5$ mm
(with Sleeve)		H = 50.5 mm
Applications	:	Recommended discharge current
		200 to 6000mA
Nominal Voltage	:	1.2V
Capacity	:	Rated: 2000mAh
		Typical: 2050mAh
		When discharged at 400mA to
		1.0V at 20°C
Charge Retention	_	70% of nominal capacity after cell storage at
		20°C for 5years
		When discharged at 400mA to 1.0V at 20° C
Charging Condition		200mA for 16 hrs at 20°C
Fast Charge	:	1000mA to 2000mA (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 ref. only)
Service Life		Up to 1500 cycles (IEC standard)
Continuous	:	200mA maximum current for 1 year.
Overcharge		No conspicuous deformation and/or
		leakage
Weight	:	30.0g
Internal Resistance	:	Average $21 \text{m}\Omega$ upon fully charged
		(Max.28m Ω) at 1000Hz
Max. Charging Voltage	:	1.5V at 200mA charging
Ambient Temperature		Standard Charge : 0 to 45 °C
Range		Fast Charging : 10 to 45°C
-		Discharge : -20 to 50°C
		Storage : -20 to 30°C

Fast Charge (Charge Control Required)



Model No.: GP210AAHCBP



Low Rate Discharge







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