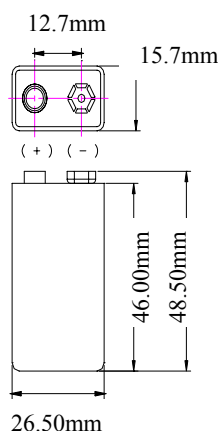


GP Batteries

Data Sheet

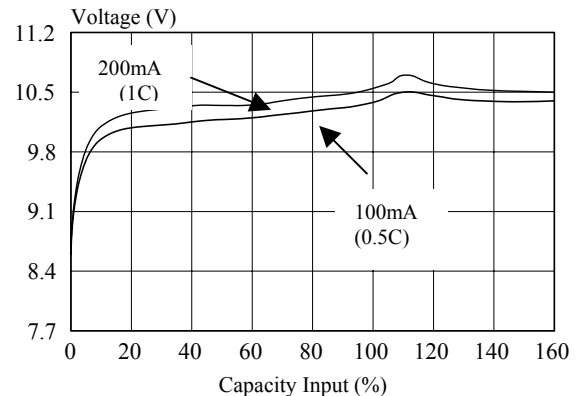
Model No.: GP20R8H

Type	Rechargeable Nickel Metal Hydride Cylindrical Cell		
Nominal Dimension (with Sleeve)	15.7 mm(l) x 26.5 mm(w) x 48.5 mm(h)		
Applications	Recommended discharge current 20 to 600 mA		
Nominal Voltage	8.4V		
Capacity	Minimum: 200 mAh Typical: 210 mAh when discharged at 0.2C to 1.0V at 20°C		
Charging Condition	20 mA for 16 hrs at 20°C		
Fast Charge	100 mA to 200 mA (0.5 to 1C) charge termination control recommended control parameters: -ΔV : 0 - 35mV 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 reference only		
Service Life	>500 cycles (IEC standard) Up to 1000 cycle (noy less than 60% of Nominal at 0.1C charge / 0.2C Discharge)		
Continuous Overcharge	20 mA maximum current for 1 year No conspicuous deformation and/or leakage		
Weight	42.5 g		
Internal Resistance	Maximum 1300 mΩ upon fully charged at 1000HZ		
Max. Charging Voltage	10.5V at 20 mA 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

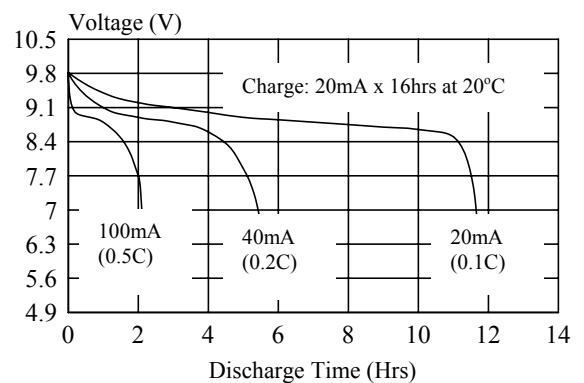


Unit: mm

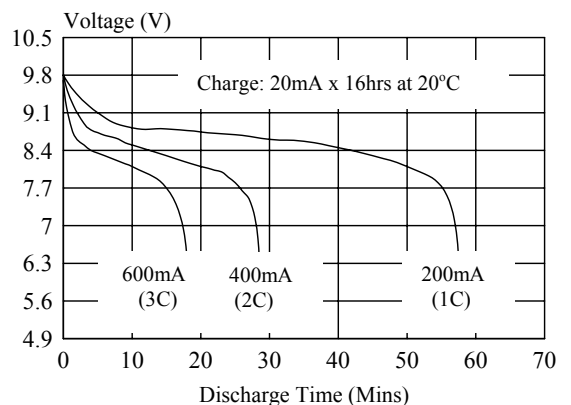
Fast Charge (charge control required)



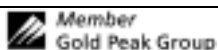
Low Rate Discharge



High Rate Discharge



* The information (subject to change without prior notice) contained in this document is for reference only and should not be used as a basis for product guarantee or warranty. For applications other than those described here, please consult your nearest GP Sales and Marketing Office or Distributors.



Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.

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