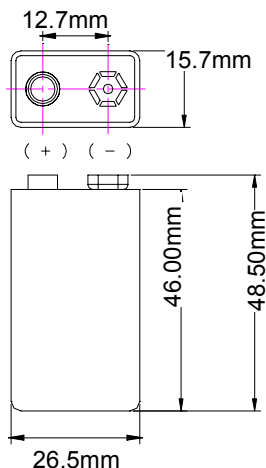


GP Batteries

Data Sheet

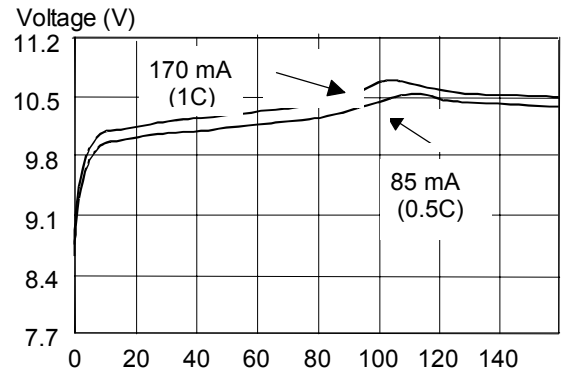
Model No.: GP17R8H

Type	: High Voltage Nickel Metal Hydride Rechargeable Battery		
Nominal Dimension	: 15.7 mm (l) x 26.5 mm (w) x 48.5 mm (h)		
Applications	: Recommended discharge current 17mA to 510mA		
Nominal Voltage	: 8.4V		
Capacity	: Minimum: 170mAh Typical: 175mAh when discharged at 0.2C to 7.0V at 20°C		
Charging Condition	: 17mA for 16 hrs at 20°C		
Fast Charge	: 85 mA to 170mA (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 cycles (not less than 60% of nominal at 0.1C charge/0.2C discharge)		
Continuous Overcharge	: 17 mA maximum current for 1 year No conspicuous deformation and/or leakage		
Weight	: 32 g		
Internal Resistance	: Maximum 2000 mΩ upon fully charged at 1000Hz		
Max. Charging Voltage	: 10.5 V at 17 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	

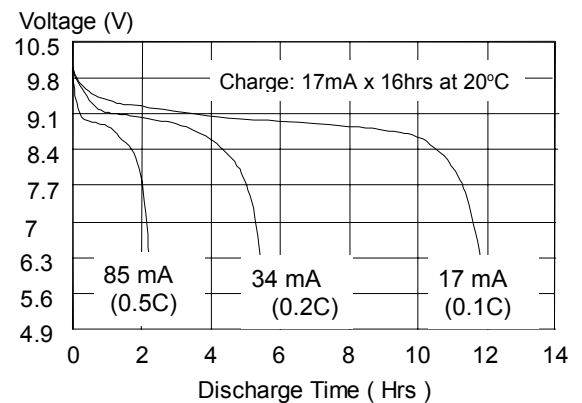


Unit: mm

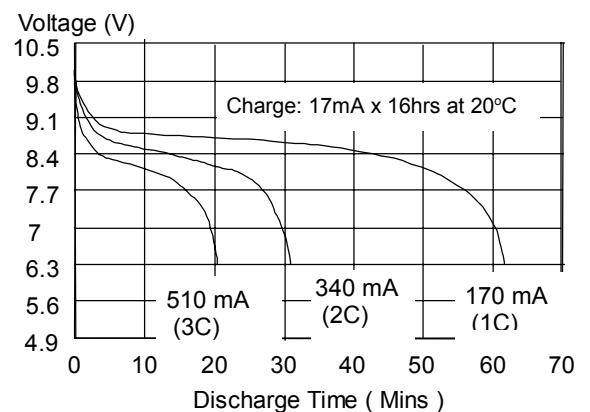
Fast Charge (Charge control required)



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.