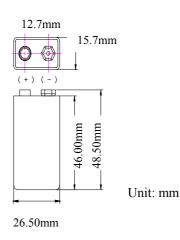
# **GP** Batteries

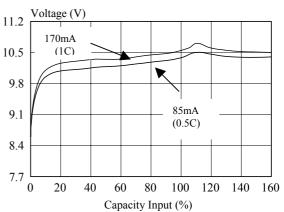
## Data Sheet

`Туре :	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 17 to 510 mA
Nominal Voltage :	8.4V
Capacity :	Minimum: 170 mAh Typical: 175 mAh when discharged at 0.2C to 1.0V at 20ºC
Charging Condition :	17 mA for 16 hrs at 20°C
Fast Charge :	85 mA to 170 mA (0.5 to 1C) charge termination control recommended control parameters: $-\Delta V : 0 - 35mV$ 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	17 mA maximum current for 1 year No conspicuous deformation and/or leakage
Weight :	32.0 g
Internal Resistance :	Maximum 2000 m $\Omega$ upon fully charged at 1000HZ
Max. Charging Voltage :	10.5V 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

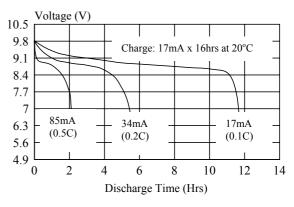


## Model No.: GP17R8H

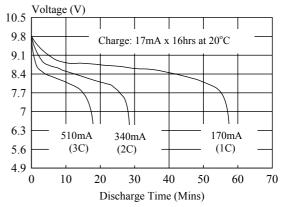
#### Fast Charge (charge control required)



#### Low Rate Discharge



### High Rate Discharge



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Manufacturer reserves the right to alter or amend the design, model and specification without prior notice. TRS0204 Rev.11