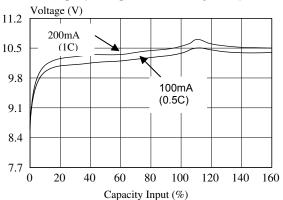


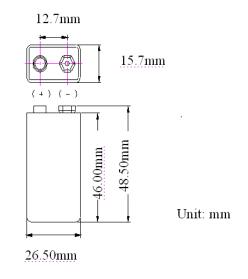
# **DATA SHEET**

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Туре	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: 15.7mm(l) x 26.5mm(w) x 48.5mm(h)
Applications	: Recommended discharge current 20 to 600mA
Nominal Voltage	: 8.4V
Capacity	: Typical: 210mAh Rated: 200mAh When discharged at 40mA to 7.0V at 20 °C
Charging Condition	: 20mA for 16 hrs at 20℃
Charging Retention	80% of rated capacity after cell storage at 20 $^{\circ}$ C for 12 months When discharged at 40mA to 7.0V at 20 $^{\circ}$ C
Fast Charge	: 100mA to 200mA (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 ref.only
Service Life	: >500 cycles (IEC standard)
Continuous Overcharge	: 20mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	: 42.5g
Internal Resistance	: Maximum $1300 m\Omega$ upon fully charged at $1000 Hz$
Max. Charging Voltage	: 10.5V at 20mA charging
<b>Ambient Temperature</b>	: Standard Charge : 0 to 45°C
Range	Fast Charging : 10 to 45℃
	Discharge : -20 to 50°C
	Storage : -20 to 35℃
	•

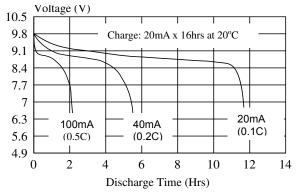
### Fast Charge (Charge control required)



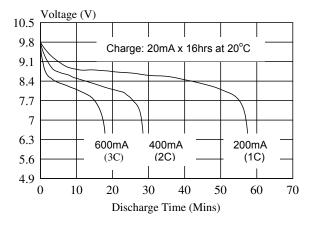
## Model No.: GP20R8H



#### **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.

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TRS0344 rev.00

