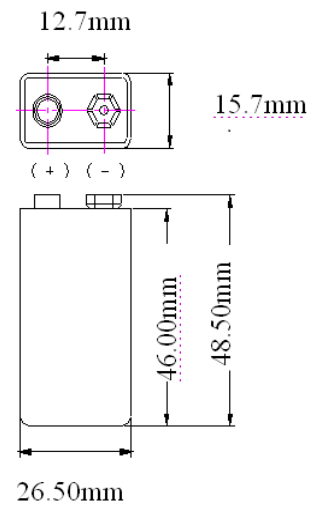


DATA SHEET

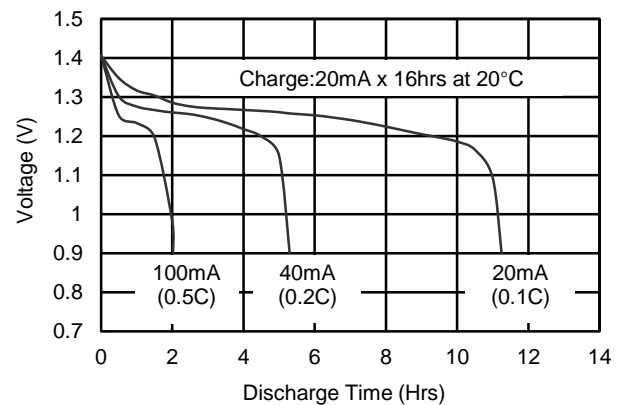
Model No.: GP20R8H

Type	Rechargeable Nickel Metal Hydride 9V Battery.
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	Rated: 210mAh Typical: 200mAh When discharged at 40mA to 7.0V at 20°C
Charging Condition	20mA for 16 hrs at 20°C
Charge Retention	80% of rated capacity after cell storage at 20°C for 12 months When discharged at 40mA to 7.0V at 20°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 (IEC61951-2(2017) 7.5.1.2) >200 cycles (IEC61951-2(2017) 7.5.1.4)
Continuous Overcharge	20mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	42.5g
Internal Resistance	Maximum 1300mΩ upon fully charged at 1000Hz
Max. Charge Voltage	10.5V at 20mA charging
Ambient Temperature Range	Standard Charge: 0 to 45°C Fast Charge: 10 to 45°C Discharge: -20 to 50°C Storage: -20 to 35°C Storage(1week): -20 to 60°C

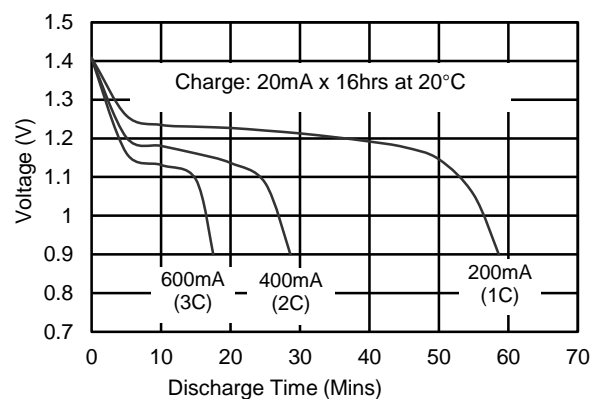


Unit: mm

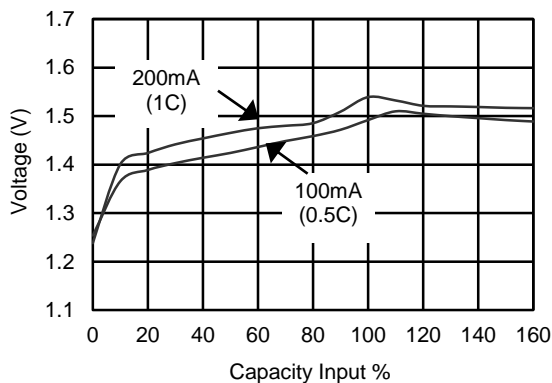
Low Rate Discharge



High Rate Discharge



Fast Charge (Charge Control Required)



The above information is generally descriptive only and is not intended as guarantee or warranty. Cell and battery specifications are subject to change without notice. All descriptions or warranties are contained solely in specification sheets accompanying outside those described in this document.

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