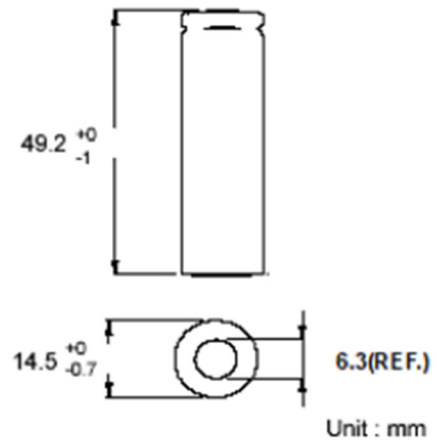


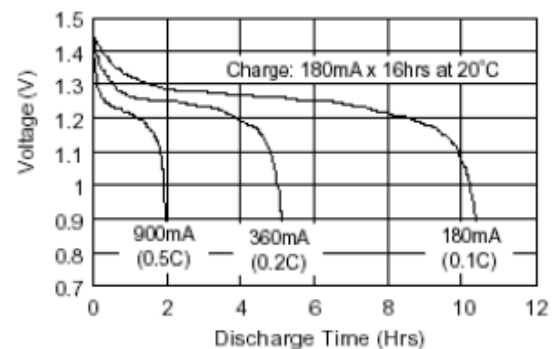
DATA SHEET

Model No.: GP180AAH

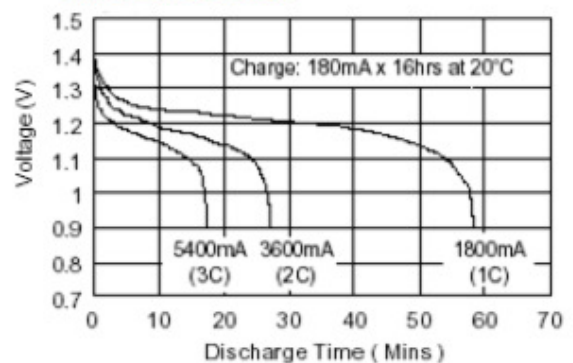
Type	Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	Diameter = 14.5mm Height = 49.2mm
Applications	Recommended discharge current 180 to 5400mA
Nominal Voltage	1.2V
Capacity	Rated: 1800mAh Typical: 1850mAh When discharged at 360mA to 1.0V at 20°C
Charging Condition	180mA for 16 hrs at 20°C
Charge Retention	80% of nominal capacity after cell storage at 20°C for 12 months, When discharged at 360mA to 1.0V at 20°C
Fast Charge	900mA to 1800mA (0.5 to 1C) charge termination control recommended control parameters: -ΔV : 0-5mV 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)
Continuous Overcharge	180mA maximum current for 1 year. No conspicuous deformation and/or leakage
Weight	28.0g
Internal Resistance	Average 25mΩ upon fully charged (Max. 35 mΩ) at 1000Hz
Max. Charge Voltage	1.5V at 180mA 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



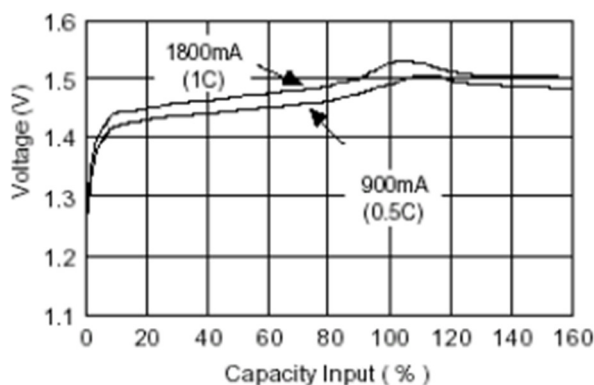
Low Rate Discharge



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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