GP Batteries

Data Sheet

Model No.: GP180AAH

Type : Rechargeable Nickel Metal Hydride Cylindrical Cell

Nominal Dimension (with Sleeve) : Φ =14.5mm H =49.2mm

Applications : Recommended discharge current 180 to 5400mA

Nominal Voltage : 1.2V

Capacity : Minimum: 1800mAh
Typical: 1850mAh

when discharged at 360mA to 1.0V at 20°C

Charging Condition : 180mA for 16hrs at 20°C
Fast Charge : 900mA to 1800mA (0.5 to

: 900mA to 1800mA (0.5 to 1C) charge termination control recommended

control parameters: $-\Delta V$: 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

Service Life : >500 cycles (IEC standard)

Continuous : 180mA maximum current for 1 year Overcharge No conspicuous deformation

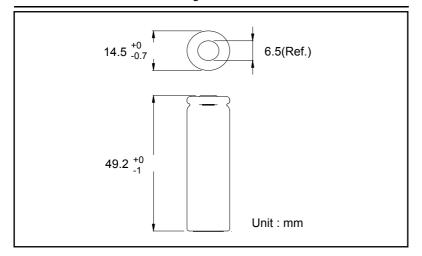
and/or leakage

Weight : 27.0g

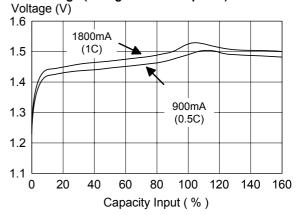
Internal Resistance : Average $22m\Omega$ upon fully charged (Range $16-26m\Omega$) at 1000Hz

Max. Charging Voltage : 1.5V at 180mA charging

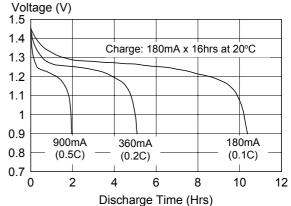
Ambient Temperature : Standard Charging : 0 to 45°C Range : 10 to 45°C Discharging : -20 to 50°C Storage : -20 to 35°C



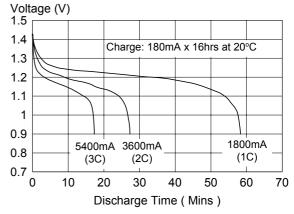
Fast Charge (Charge control required)



Low Rate Discharge



High Rate Discharge



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