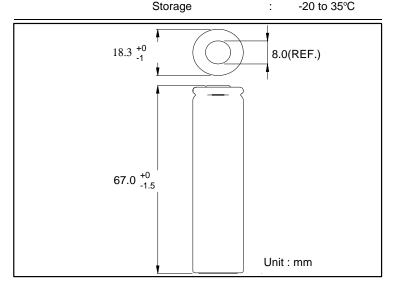
GP Batteries

Data Sheet

Model No.: GP450LAH

| Туре | : | Rechargeable Nickel Metal Hydride Cylindrical Cell |
|---------------------------------|---|---|
| Nominal Dimension (with Sleeve) | : | Φ =18.3mm H =67.0mm |
| Applications | : | Recommended discharge current 450 to 13500mA |
| Nominal Voltage | : | 1.2V |
| Nominal Capacity | • | Minimum: 4300mAh Typical: 4500mAh when discharge at 900mA to 1.0V at 20°C |
| Charging Condition | : | 450mA for 14 hrs at 20°C |
| Fast Charge | : | 2250mA to 4500mA (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 |
| Service Life | : | >500 cycles (IEC standard) |
| Continuous Overcharge | : | 450mA maximum current for 1 year No conspicuous deformation and/or leakage |
| Weight | : | 60.0g |
| Internal Resistance | : | Average 15m Ω upon fully charged (Range 10-25m Ω) at 1000Hz |



1.5V at 450mA charging

0 to 45°C

10 to 45°C

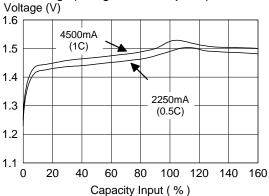
-20 to 50°C

Standard Charging

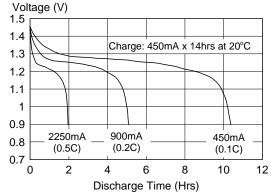
Fast Charging

Discharging

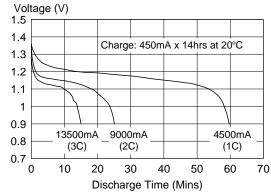
Fast Charge (Charge control required)



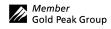
Low Rate Discharge



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.



Max. Charging Voltage:

Ambient Temperature

Range