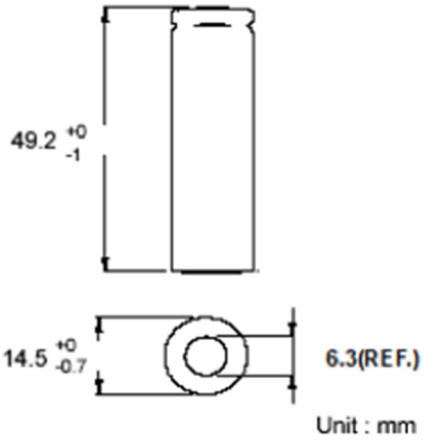
GP ENERGY TECH

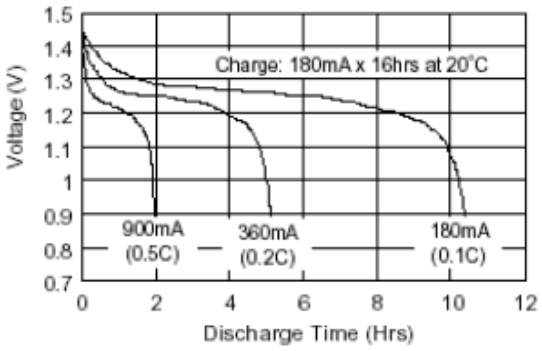
# DATA SHEET

## Model No.: GP180AAH

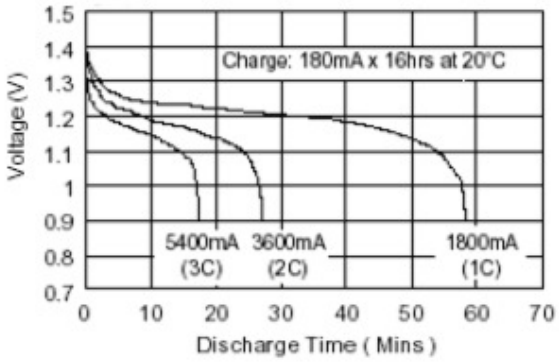
| | |
|---|---|
| **Type** | Rechargeable Nickel Metal Hydride Cylindrical Cell |
| **Nominal Dimension (with Sleeve)** | Diameter = 14.5mm<br>Height = 49.2mm |
| **Applications** | Recommended discharge current<br>180 to 5400mA |
| **Nominal Voltage** | 1.2V |
| **Capacity** | Rated: 1800mAh<br>Typical: 1850mAh<br>When discharged at 360mA to1.0V at 20℃ |
| **Charging Condition** | 180mA for 16 hrs at 20℃ |
| **Charge Retention** | 80% of nominal capacity after cell storage at 20℃ for 12 months,<br>When discharged at 360mA to 1.0V at 20℃ |
| **Fast Charge** | 900mA to 1800mA (0.5 to 1C)<br>charge termination control recommended<br>control parameters:<br>-ΔV : 0-5mV<br>DT/dt : 0.8℃/min (0.5 to 0.9C)<br>0.8 - 1℃/min (1C)<br>TCO : 45 - 50℃<br>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.<br>No conspicuous deformation and/or leakage |
| **Weight** | 28.0g |
| **Internal Resistance** | Average 25mΩ upon fully charged<br>(Max. 35 mΩ)at 1000Hz |
| **Max. Charge Voltage** | 1.5V at 180mA charging |
| **Ambient Temperature Range** | Standard Charge: 0 to 45℃<br>Fast Charge:10 to 45℃<br>Discharge: -20 to 50℃<br>Storage: -20 to 35℃<br>Storage(1week): -20 to 60℃ |



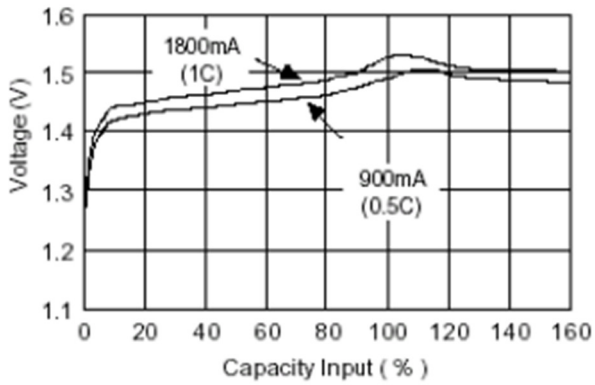

### Low Rate Discharge




### 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.

MRS6219 rev.04

Manufacturer reserves the right to alter or amend the design, model and specification without prior notice.
Copyright@ GP Energy Tech International Pte. Limited – All rights reserved

Member Gold Peak Technology Group