

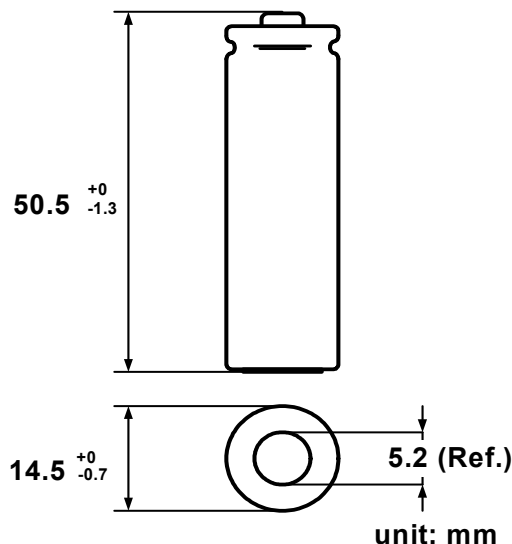


**EN:** This Datasheet/Document is presented by the manufacturer.

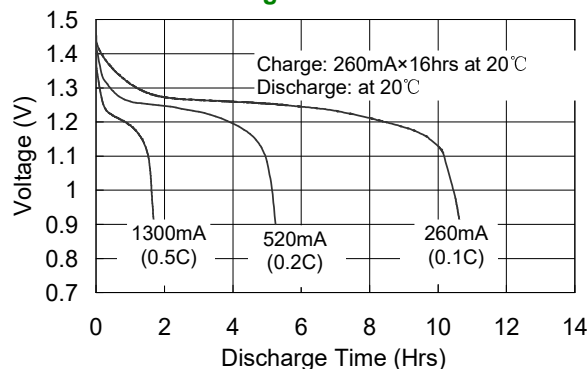
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### Model No.: GP270AAHCE

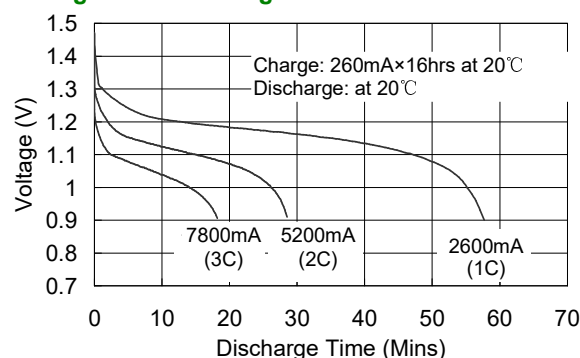
|                                        |                                                                                                                                                                                                                                                   |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Type</b>                            | : Rechargeable Nickel Metal Hydride Cylindrical Cell                                                                                                                                                                                              |
| <b>Recycled material content</b>       | : Rechargeable Nickel Metal Hydride Battery Made with Minimum 10% Recycled materials                                                                                                                                                              |
| <b>Nominal Dimension (with Sleeve)</b> | : $\Phi = 14.5\text{mm}$<br>H = 50.5mm                                                                                                                                                                                                            |
| <b>Applications</b>                    | : Recommended discharge current 260 to 7800mA                                                                                                                                                                                                     |
| <b>Nominal Voltage</b>                 | : 1.2V                                                                                                                                                                                                                                            |
| <b>Capacity</b>                        | : Rated: 2600mAh<br>Typical: 2650mAh<br>When discharged at 520mA to 1.0V at 20°C                                                                                                                                                                  |
| <b>Charging Condition</b>              | : 260mA for 16 hrs at 20°C                                                                                                                                                                                                                        |
| <b>Charging Retention</b>              | : 70% of nominal capacity after cell storage at 20°C for 6months,<br>50% of nominal capacity after cell storage at 20°C for 1year<br>When discharged at 520mA to 1.0V at 20°C                                                                     |
| <b>Fast Charge</b>                     | : 1300mA to 2600mA (0.5 to 1C)<br>charge termination control<br>recommended control parameters:<br>- $\Delta V$ : 0-5mV<br>DT/dt : 0.8°C/min (0.5 to 0.9C)<br>0.8 - 1°C/min (1C)<br>TCO : 45 - 50°C<br>Timer : 100% nominal input (for ref. only) |
| <b>Service Life</b>                    | : ~300 cycles (IEC 2017 - 7.5.1.2)<br>>100 cycles (IEC 2017 - 7.5.1.4)                                                                                                                                                                            |
| <b>Continuous Overcharge</b>           | : 260mA maximum current for 1 year.<br>No conspicuous deformation and/or leakage                                                                                                                                                                  |
| <b>Weight</b>                          | : 31.0g                                                                                                                                                                                                                                           |
| <b>Internal Resistance</b>             | : Average 20m $\Omega$ upon fully charged (Max.35m $\Omega$ ) at 1000Hz                                                                                                                                                                           |
| <b>Max. Charging Voltage</b>           | : 1.5V at 260mA charging                                                                                                                                                                                                                          |
| <b>Ambient Temperature Range</b>       | : Standard Charge : 0 to 45°C<br>Fast Charging : 10 to 45°C<br>Discharge : -20 to 50°C<br>Storage : -20 to 35°C                                                                                                                                   |



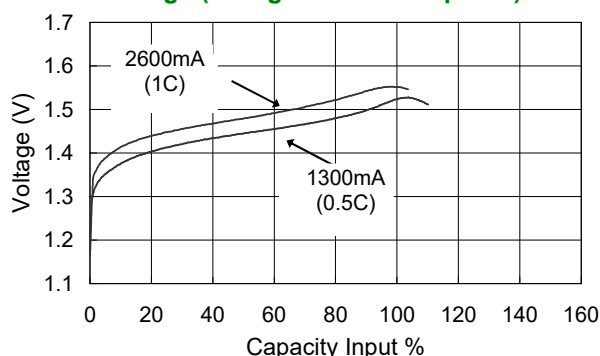
#### Low Rate Discharge



#### High Rate Discharge



#### Fast Charge (Charge Control Required)



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