

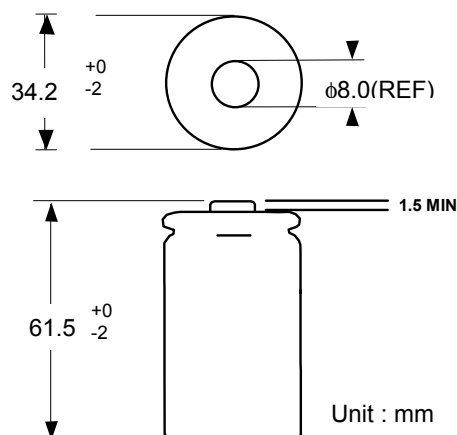
# GP Batteries

## Data Sheet

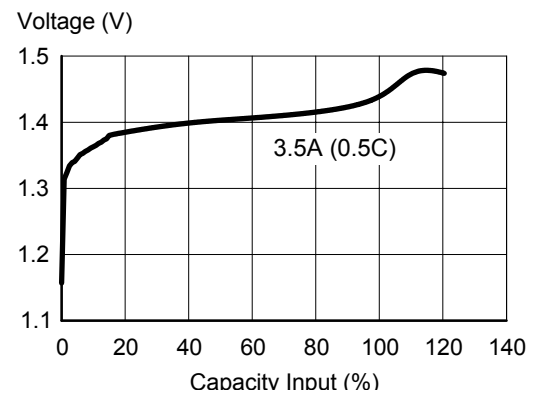
Model No.: 700DHC

|                                 |   |
|---------------------------------|---|
| Type                            | : Rechargeable Nickel Metal Hydrid Cylindrical Cell   |
| Model                           | : GP700DHC  |
| Nominal Dimension (with Sleeve) | : $\varnothing = 34.2\text{mm}$<br>H = 61.5mm   |
| Application                     | : Recommended discharge current 3500mA to 21A   |
| Nominal Voltage                 | : 1.2V  |
| Nominal Capacity                | : Min.: 6800mAh<br>Typical: 7000 mAh when discharged at 1400mA to 1.0V at 20°C  |
| Charging Condition              | : 700mA for 16 hrs at 20°C  |
| Fast charge                     | : 1.4A to 3.5A (0.2C to 0.5C) with charge termination control<br>Recommended control parameter:<br>- $\Delta V$ : 0 - 5mV<br>dT/dt: 0.8 deg.C/min<br>TCO: 40-50 deg. C<br>Timer: 105% nominal input |
| Service Life                    | : >500 cycles (IEC 61951-2)<br>Up to 1000 cycles (not less than 60% of nominal at 0.1C charge/ 0.2C discharge)  |
| Continuous Overcharge           | : 700mA maximum current<br>No conspicuous deformation and /or leakage   |
| Weight                          | : 155g  |
| Internal Resistance             | : Average 8m $\Omega$ upon fully charged (Range : 5-10m $\Omega$ ) at 1000Hz  |
| Max. Charging Voltage           | : 1.5V at 700mA charging  |
| Temperature Range               | : Standard charging : 0 to 40°C<br>Fast charging : 10 to 40°C<br>Discharging : -20 to 50°C<br>Storage : -20 to 35°C<br>Storage (1 week) : -20 to 60°C   |

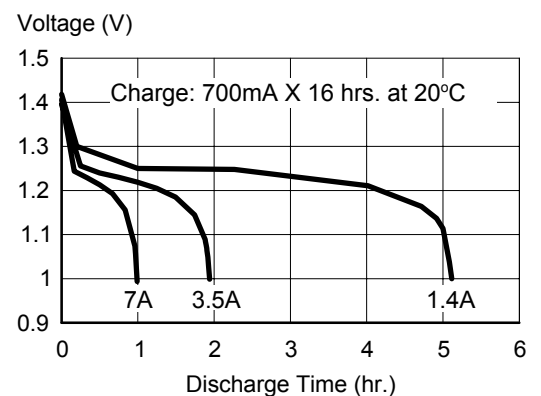
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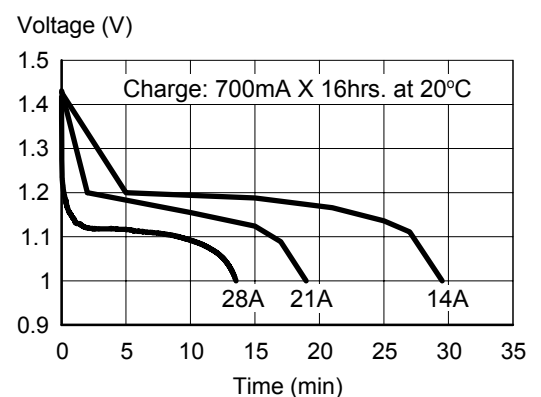
### Fast Charge (Charge Control Required)



### Low Rate Discharge



### High Rate Discharge



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