

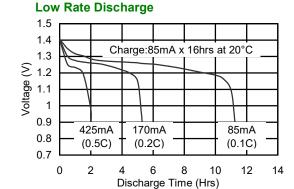
DATA SHEET

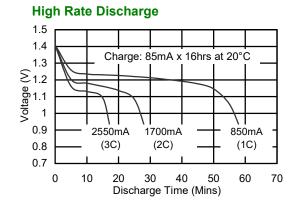
Unit: mm

| Туре | : Rechargeable Nickel Metal |
|-----------------------|--|
| | Hydride Cylindrical Cell |
| Nominal Dimension | : Φ = 10.5mm |
| (with Sleeve) | H = 44.5mm |
| Applications | : Recommended discharge current |
| | 85 to 2550mA |
| Nominal Voltage | : 1.2V |
| Capacity | : Rated: 850mAh |
| | Typical:900mAh |
| | When discharged at 170mA to |
| | 1.0V at 20℃ |
| Charging Condition | : 85mA for 16 hrs at 20℃ |
| Charging Retention | : 80% of rated capacity after cell storage |
| | at 20°C for 12 months |
| | When discharged at 170mA to 1.0V at |
| | 20°C |
| Fast Charge | : 425mA to 850mA (0.5 to 1C) |
| | charge termination control |
| | recommended control parameters: |
| | -∆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 |
| | (for ref. only) |
| Service Life | : >500 cycles (IEC standard) |
| Continuous | : 85mA maximum current for 1 year. |
| Overcharge | No conspicuous deformation and/or |
| | leakage |
| Weight | : 14.5g |
| Internal Resistance | : Average 40mΩ upon fully charged |
| | (Max. 60mΩ) at 1000Hz |
| Max. Charging Voltage | : 1.5V at 85mA charging |
| Ambient Temperature | : Standard Charge : 0 to 45℃ |
| Range | Fast Charging : 10 to 45℃ |
| | Discharge : -20 to 50℃ |
| | Storage : -20 to 35℃ |
| | |

Charge Curve (Charge Control Required) 1.7 425mA(0.5C) 850mA(1C) 1.6 1.5 Voltage/V 1.4 85mA(0.1C) 1.2 1.1 0 20 40 100 120 140 160 Capacity Input%

Model No.: GP85AAAHC 44.5 +0 -1.2 10.5 +0 3.7(REF)





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