

Data Sheet

Rechargeable Nickel Metal Hydride Battery

Model: GP570DHCB

Revision History

| Revision | Date | Initiator | Change Description |
|----------|------------|-----------|--------------------|
| 02 | 2014-10-22 | YS Liu | 1.New form |
| | | | |
| | | | |

| Prepared by | Checked by | Approver |
|------------------|------------------|------------------|
| RD Engineer | RD Manager | SM |
| YS Liu | Jackie Yu | Vivian Fong |
| Date: 2014-10-22 | Date: 2014-10-22 | Date: 2014-10-22 |

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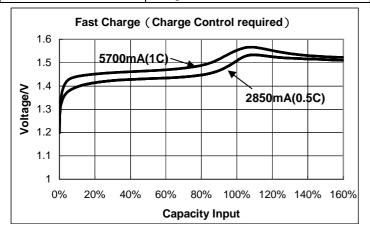
Website: http://www.gpbatteries.com



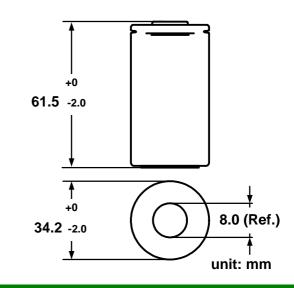


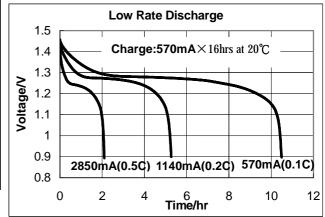
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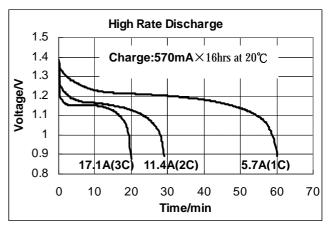
| Туре | : Rechargeable Nickel Metal |
|-----------------------|---|
| | Hydride Cylindrical Cell |
| Nominal Dimension | $\Phi = 34.2$ mm |
| (with Sleeve) | H = 61.5mm |
| Applications | : Recommended discharge current |
| | 570mA to 5.7A |
| Nominal Voltage | : 1.2V |
| Capacity | : Nominal: 5700mAh |
| | Minimum: 5700mAh |
| | Typical: 5700mAh |
| | When discharged at 1.14A to 1.0V at 20℃ |
| Charging Condition | : 570mA for 16hrs at 20°C |
| Charge Retention | : 80% of nominal capacity after cell storage at |
| | 20°C for 24months |
| | When discharged at 1.14A to 1.0V at 20℃ |
| Fast Charge | : 2850mA to 5700mA (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 | : ~1000 cycles (IEC standard) |
| Continuous | : 570mA maximum current for 1 year. |
| Overcharge | No conspicuous deformation and/or |
| | Leakage |
| Weight | : 124g |
| Internal Resistance | : Average 4mΩ upon fully charged |
| | (Max.10m Ω) at 1000Hz |
| Max. Charging Voltage | : 1.5V at 570mA charging |
| Ambient Temperature | : Standard Charge : 0 to 45°C |
| Range | Fast Charging : 10 to 45°C |
| | Discharge : -20 to 50°C |
| | Storage : -20 to 30°C |
| | |



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