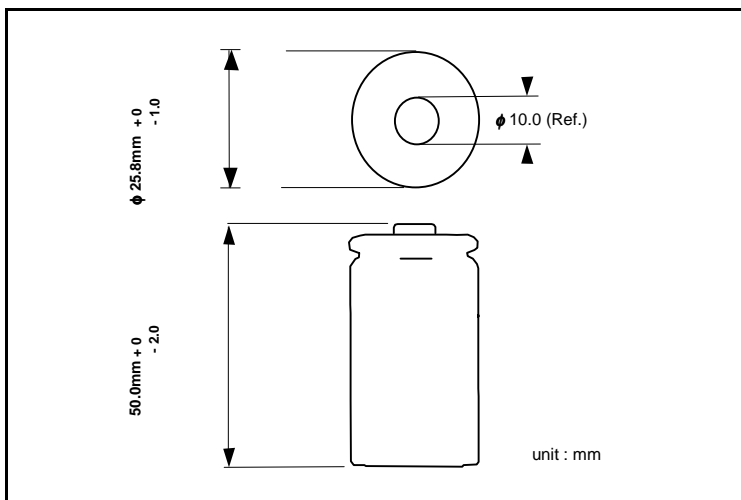


# GP Batteries

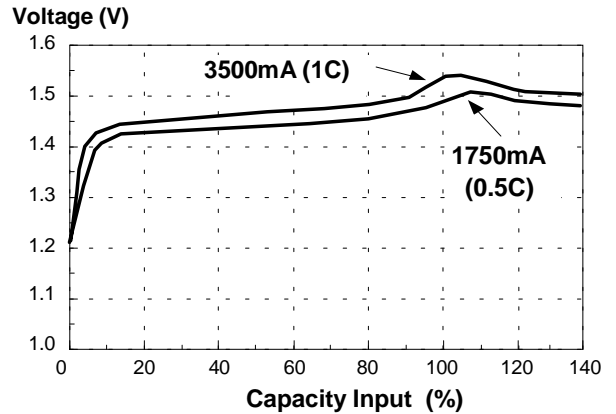
## Data Sheet

Model No.: GP350CH

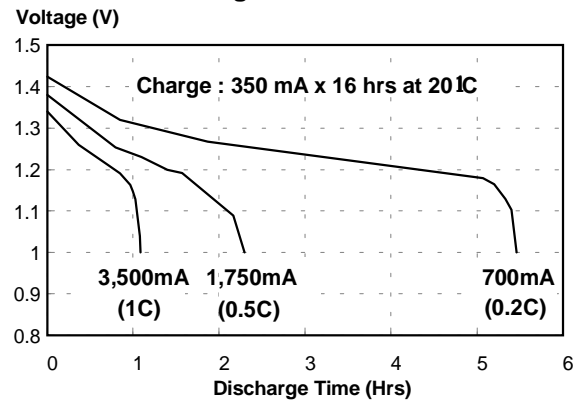
Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\varnothing = 25.8\text{mm}$ H = 50.0mm
Application	: Discharge current 350mA to 29A (Continuous) 58A (Momentary)
Nominal Voltage	: 1.2V
Nominal Capacity	: Minimum : 3500mAh Typical : 3850mAh when discharged at 700mA to 1.0V at 20°C
Charging Condition	: 350mA for 16 hrs at 20°C
Fast Charge	: 1750mA to 3500mA (0.5C to 1C) with charge termination control. Recommended control parameter : <div> <div>-<math>\Delta V</math></div> <div>dT/dt</div> <div>TCO</div> <div>Timer</div> <div>(Secondary)</div> </div> <div> <div>: 0-5mV</div> <div>: 0.8°C/min (0.5C to 0.9C) : 0.8-1°C/min (1C)</div> <div>: 45-50°C</div> <div>: 105% nominal input</div> </div>
Service Life	: > 500 cycles (IEC standard)
Continuous Overcharge	: 350mA maximum current No conspicuous deformation and/or leakage
Weight	: 78.5g
Internal Resistance	: Average 6m $\Omega$ upon fully charged (Range : 4-8m $\Omega$ ) at 1000Hz
Max. Charging Voltage	: 1.5V at 350mA charging
Ambient Temperature Range	: Standard Charging : 0°C to 40°C Fast Charging : 10°C to 40°C Discharging : -20°C to 50°C Storage : -20°C to 35°C Storage (1 week) : -20°C to 60°C



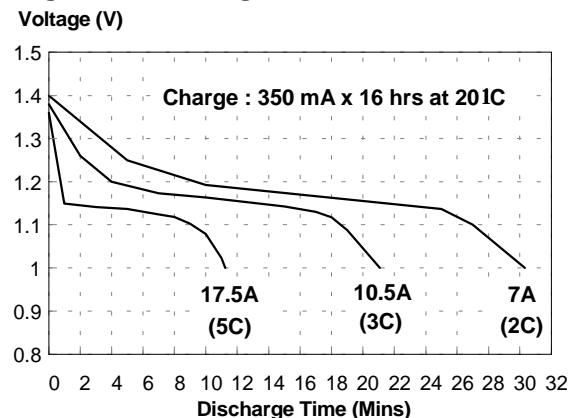
### Fast Charge (Charge Control required)



### Low Rate Discharge



### High Rate Discharge



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