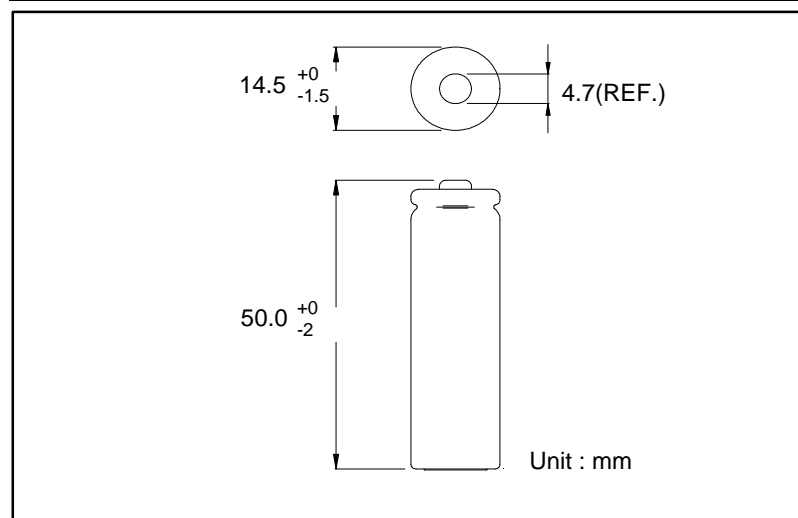


GP Batteries

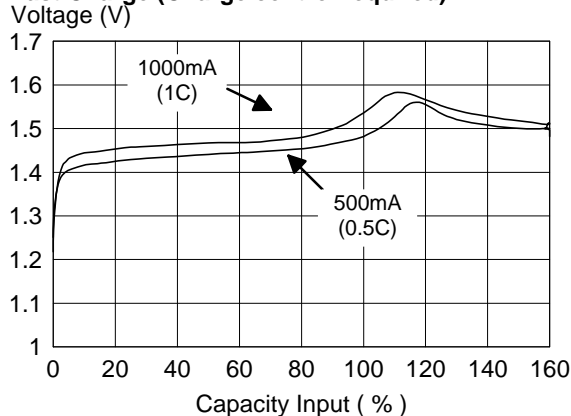
Data Sheet

Model No.: GP100AAKC

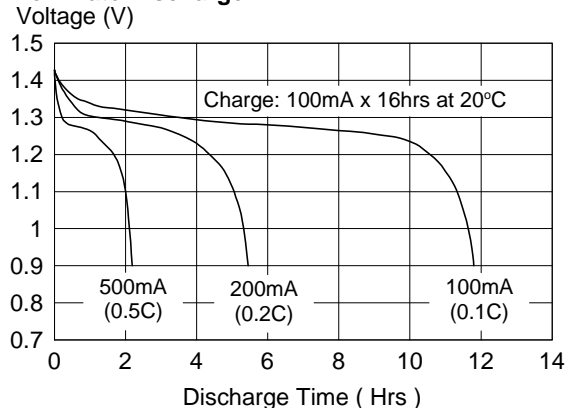
Type	: Rechargeable Nickel Cadmium Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 14.5\text{mm}$ H = 50.0mm
Applications	: Recommended discharge current 50 to 3000mA
Nominal Voltage	: 1.2V
Capacity	: Minimum: 1000mAh Typical: 1030mAh when discharged at 200mA to 1.0V at 20°C
Charging Condition	: 100mA for 16 hrs at 20°C
Fast Charge	: 500mA to 1000mA (0.5 to 1C) with charge termination control Recommended control parameters: - ΔV : 10 - 20mV Timer : 120% nominal input
Service Life	: >500 cycles (IEC standard) Up to 1000 cycles (not less than 60% of nominal at 0.1C charge / 0.2C discharge)
Continuous Overcharge	: 100mA maximum current for 1 year No conspicuous deformation and/or leakage
Weight	: 26.5g
Internal Resistance	: Average 18m Ω upon fully charged (Range 12-24m Ω) at 1000Hz
Max. Charging Voltage	: 1.5V at 100mA charging
Ambient Temperature Range	Standard Charging : 0 to 45°C Fast Charging : 10 to 45°C Discharging : -20 to 50°C Storage : -20 to 35°C



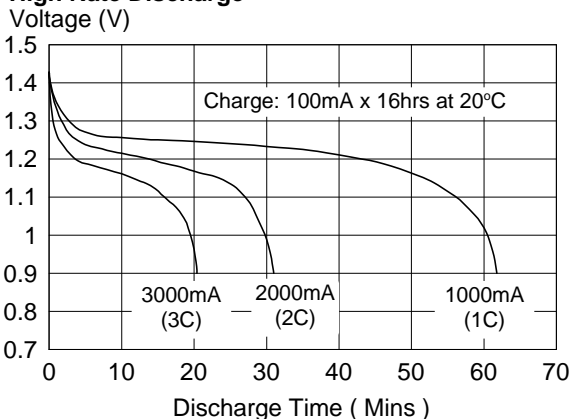
Fast Charge (Charge control required)



Low Rate Discharge



High Rate Discharge



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