

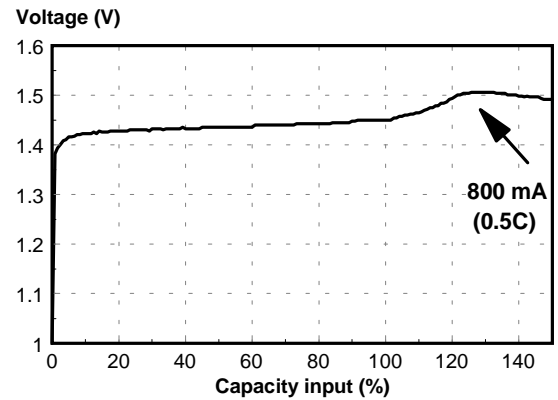
# GP Batteries

## Data Sheet

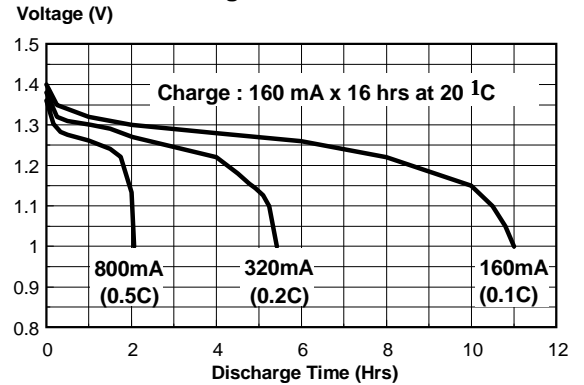
Model No.: GP160DK

Type	: Rechargeable Nickel Cadmium Cylindrical Cell	
Nominal Dimension (with Sleeve)	: $\varnothing = 34.2\text{mm}$ H = 61.5mm	
Application	: Recommended discharge current 160 to 4800mA	
Nominal Voltage	: 1.2V	
Nominal Capacity	: Minimum : 1600mAh Typical : 1680mAh when discharged at 320mA to 1.0V at 20°C	
Charging Condition	: 160mA for 16 hrs at 20°C	
Fast Charge	: 800mA (0.5C) with charge termination control. Recommended control parameter : - $\Delta V$ : 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	: 160mA maximum current No conspicuous deformation and/or leakage	
Weight	: 62.0g	
Internal Resistance	: Average 45m $\Omega$ upon fully charged (Range : 35-55m $\Omega$ ) at 1000Hz	
Max. Charging Voltage	: 1.5V at 160mA 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

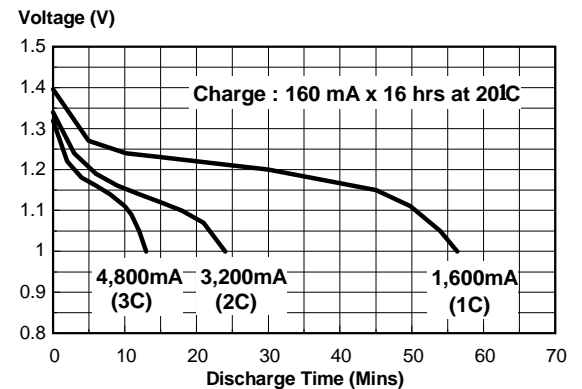
### Fast Charge (Charge Control required)



### Low Rate Discharge



### High Rate Discharge



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