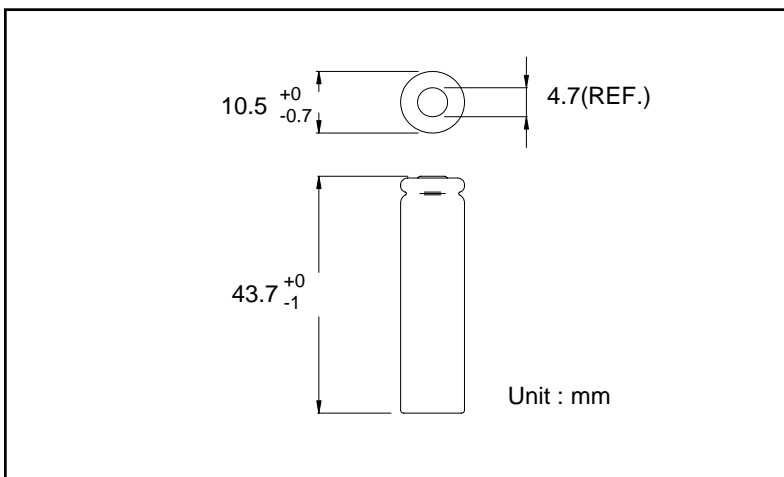


# GP Batteries

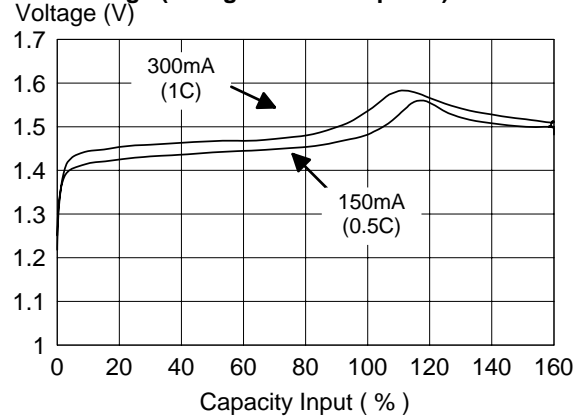
## Data Sheet

Model No.: GP30AAAK

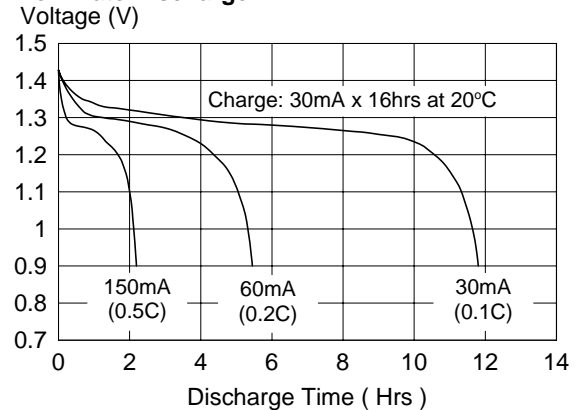
Type	: Rechargeable Nickel Cadmium Cylindrical Cell		
Nominal Dimension (with Sleeve)	: $\Phi = 10.5\text{mm}$ $H = 43.7\text{mm}$		
Applications	: Recommended discharge current 15 to 900mA		
Nominal Voltage	: 1.2V		
Capacity	: Minimum: 300mAh Typical: 320mAh when discharged at 60mA to 1.0V at 20°C		
Charging Condition	: 30mA for 16 hrs at 20°C		
Fast Charge	: 150mA to 300mA (0.5 to 1C) with charge termination control Recommended control parameters: - $\Delta V$ : 10 - 20mV Timer : 120% nominal input		
Service Life	: >500 cycles (IEC standard)		
Continuous Overcharge	: 30mA maximum current for 1 year No conspicuous deformation and/or leakage		
Weight	: 10.5g		
Internal Resistance	: Average 48m $\Omega$ upon fully charged (Range 30-65m $\Omega$ ) at 1000Hz		
Max. Charging Voltage	: 1.5V at 30mA 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



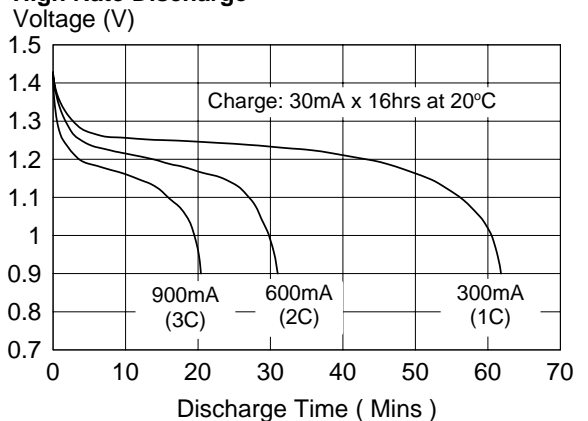
### Fast Charge (Charge control required)



### Low Rate Discharge



### High Rate Discharge



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