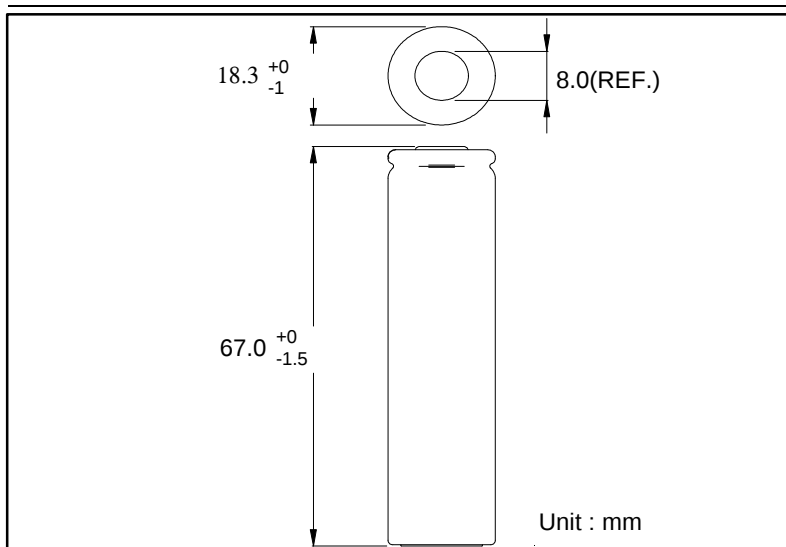


GP Batteries

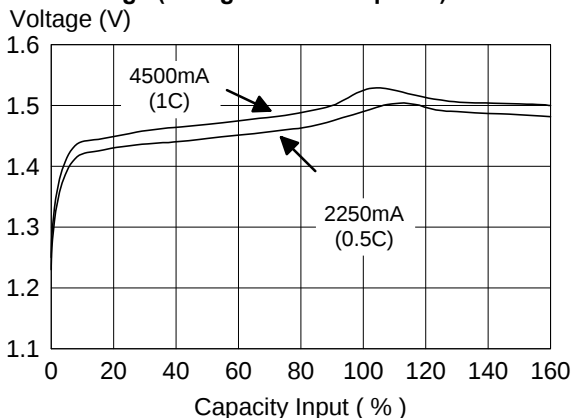
Data Sheet

Model No.: GP450LAH

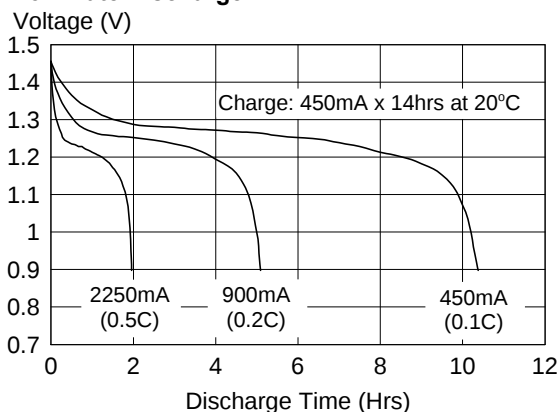
Type	Rechargeable Nickel Metal Hydride Cylindrical Cell	
Nominal Dimension (with Sleeve)	$\Phi = 18.3\text{mm}$ $H = 67.0\text{mm}$	
Applications	Recommended discharge current 450 to 13500mA	
Nominal Voltage	1.2V	
Nominal Capacity	Minimum: 4300mAh Typical: 4500mAh when discharge at 900mA to 1.0V at 20°C	
Charging Condition	450mA for 14 hrs at 20°C	
Fast Charge	2250mA to 4500mA (0.5 to 1C) charge termination control recommended control parameters: - ΔV : 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	
Service Life	>500 cycles (IEC standard)	
Continuous Overcharge	450mA maximum current for 1 year No conspicuous deformation and/or leakage	
Weight	60.0g	
Internal Resistance	Average 15m Ω upon fully charged (Range 10-25m Ω) at 1000Hz	
Max. Charging Voltage	1.5V at 450mA 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



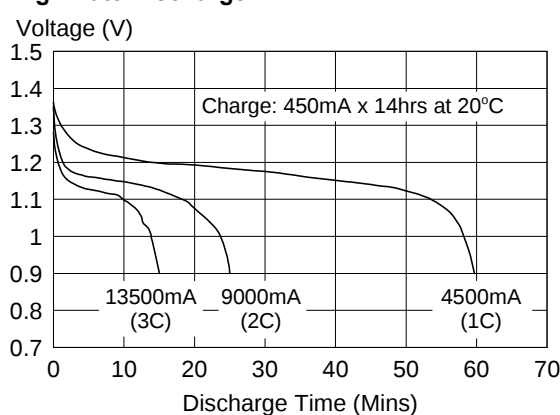
Fast Charge (Charge control required)



Low Rate Discharge



High Rate Discharge



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