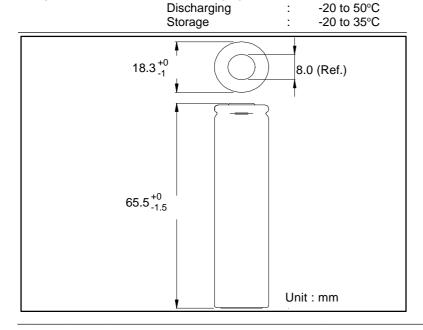
# **GP** Batteries

## Data Sheet

Model No.: GP410LAH

Туре	:	Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	:	$\Phi$ =18.3mm H = 65.5mm
Applications	:	Recommended discharge current 410 to 12300mA
Nominal Voltage	:	1.2V
Nominal Capacity	:	4100mAh when discharge at 820mA to 1.0V at 20°C
Charging Condition	:	410mA for 14hrs at 20°C
Fast Charge	:	2050mA to 4100mA (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	:	410mA maximum current for 1 year No conspicuous deformation and/or leakage
Weight	:	58.0g
Internal Resistance	:	Average $19m\Omega$ upon fully charged (Range $15-25m\Omega$ ) at $1000Hz$



Standard Charging

**Fast Charging** 

0 to 45°C

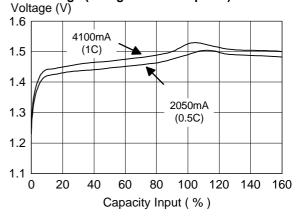
10 to 45°C

Max. Charging Voltage: 1.5V at 410mA charging

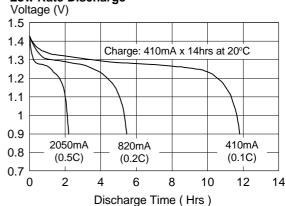
**Ambient Temperature** 

Range

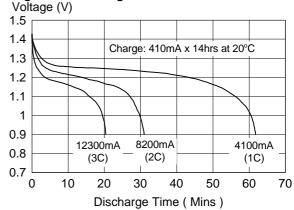
# Fast Charge (Charge control required)



#### **Low Rate Discharge**



### **High Rate Discharge**



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