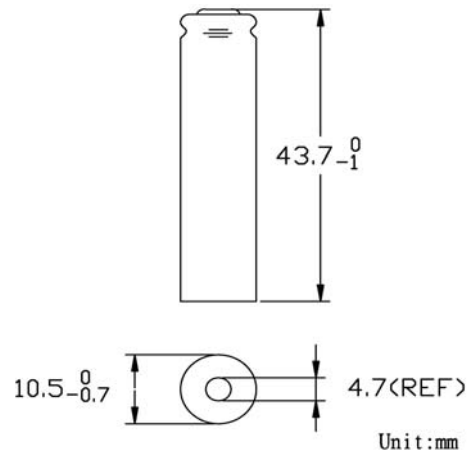
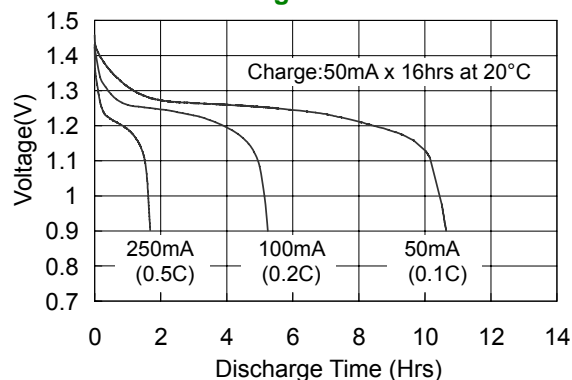


Model No.: **GP50AAAH**

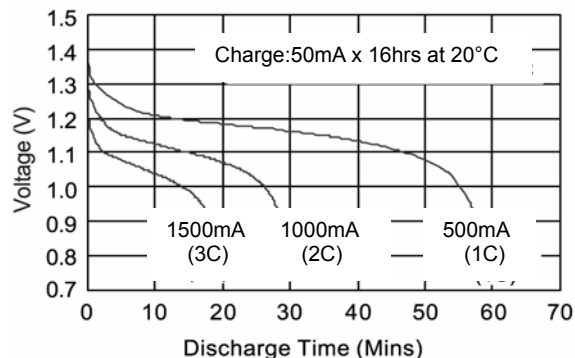
Type	: Rechargeable Nickel Metal Hydride Cylindrical Cell
Nominal Dimension (with Sleeve)	: $\Phi = 10.5\text{mm}$ H = 43.7mm
Applications	: Recommended discharge current 50 to 1500mA
Nominal Voltage	: 1.2V
Capacity	: Nominal: 500mAh Minimum: 500mAh Typical: 520mAh When discharged at 100mA to 1.0V at 20°C
Charging Condition	: 50mA for 16 hrs at 20°C
Fast Charge	: 250mA to 500mA (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 ** for ref. only
Service Life	: >500 cycles (IEC standard)
Continuous Overcharge	: 50mA maximum current for 9 months. No conspicuous deformation and/or leakage
Weight	: 10.5g
Internal Resistance	: Average 40m Ω upon fully charged (Range 30 - 50m Ω) at 1000Hz
Max. Charging Voltage	: 1.5V at 50mA charging
Ambient Temperature Range	: Standard Charge : 0 to 45°C Fast Charging : 10 to 45°C Discharge : -20 to 50°C Storage : -20 to 35°C



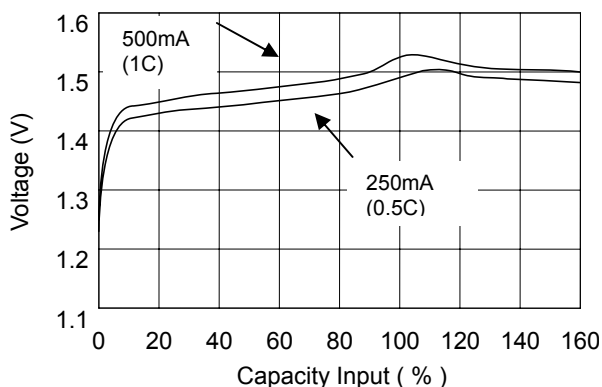
Low Rate Discharge



High Rate Discharge



Fast Charge (Charge control required)



The information (subject to change without prior notice) contained in this document is for reference only and should not be used as a basis for product guarantee or warranty. For applications other than those described here, please consult your nearest GP Sales and Marketing Office or Distributors.