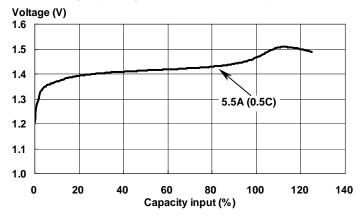
GP Batteries

DATA SHEET

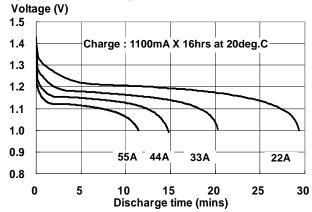
T		Model No.: GP1100DH
Туре	: Rechargeable Nickel Metal Hydride Cylindrical Cell	
Nominal Dimension	$\Phi = 33.0$ mm	-
(with Sleeve)	H = 60.0mm	
Applications	: Recommended discharge current 2200mA to 55A	── Y ── Y T
Nominal Voltage	: 1.2V	-
Capacity	: Nominal: 11000mAh	—
Capacity	Minimum: 11000mAh	60.0 -2.0
	Typical: 11550mAh	00.0 -2.0
	When discharged at 0.2C to	
	1.0V at 20℃	
Charging Condition	: 1100mA for 16 hrs at 20°C	
Fast Charge	: 2.2A to 5.5A (0.2C to 0.5C)	
r ast onarge	With charge termination control	
	Recommended control parameters:	+0 (C) 12.0 (Ref.)
	$-\Delta V$: 0-5mV	33.0 -1.0 (Kel.)
	dT/dt : 0.8℃/min (0.5C)	
	TCO : 40 - 50°C	
	Timer · 105% nominal input	•
	Timer : 105% nominal input (For ref. only)	unit: mm
Service Life	(For ref. only)	
Service Life	(For ref. only) : >500 cycles (IEC 61951-2)	unit: mm
Continuous	(For ref. only) : >500 cycles (IEC 61951-2) : 1100mA maximum current for 1 year.	Low Rate Discharge
	(For ref. only) : >500 cycles (IEC 61951-2) : 1100mA maximum current for 1 year. No conspicuous deformation and/or	Low Rate Discharge Voltage(V)
Continuous Overcharge	(For ref. only) : >500 cycles (IEC 61951-2) : 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage	Low Rate Discharge Voltage(V)
Continuous	(For ref. only) : >500 cycles (IEC 61951-2) : 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage : 179g	Low Rate Discharge Voltage(V) 1.6 1.5 Charge : 1100mA X 16hrs at 20deg.C
Continuous Overcharge Weight	 (For ref. only) >500 cycles (IEC 61951-2) 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage 179g Average 6mΩ upon fully charged 	Low Rate Discharge Voltage(V)
Continuous Overcharge Weight Internal Resistance	 (For ref. only) >500 cycles (IEC 61951-2) 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage 179g Average 6mΩ upon fully charged (Range 4 - 8mΩ) at 1100Hz 	Low Rate Discharge Voltage(V) 1.6 1.5 Charge : 1100mA X 16hrs at 20deg.C
Continuous Overcharge Weight Internal Resistance Max. Charging Voltage	 (For ref. only) >500 cycles (IEC 61951-2) 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage 179g Average 6mΩ upon fully charged (Range 4 - 8mΩ) at 1100Hz 1.5V at 1100mA charging 	Low Rate Discharge Voltage(V) 1.6 1.5 Charge : 1100mA X 16hrs at 20deg.C 1.4 1.3
Continuous Overcharge Weight Internal Resistance	$(\mbox{ For ref. only}) \\ \hline :>500 \mbox{ cycles (IEC 61951-2)} \\ \hline : 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage \\ \hline : 179g \\ \hline : Average \mbox{ 6m}\Omega \mbox{ upon fully charged } \\ \hline (Range 4 - 8m\Omega) \mbox{ at 1100Hz} \\ \hline : 1.5V \mbox{ at 1100mA charging } \\ \hline : \mbox{ Standard Charge : 0 to 40°C } \\ \hline \end{tabular}$	Low Rate Discharge Voltage(V) 1.6 1.5 1.4 1.3 1.2
Continuous Overcharge Weight Internal Resistance Max. Charging Voltage Ambient Temperature	(For ref. only) : >500 cycles (IEC 61951-2) : 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage : 179g : Average 6mΩ upon fully charged (Range 4 - 8mΩ) at 1100Hz : 1.5V at 1100mA charging : Standard Charge : 0 to 40°C Fast Charging : 10 to 40°C	Low Rate Discharge Voltage(V) 1.6 1.5 1.4 1.3 1.2 1.1
Continuous Overcharge Weight Internal Resistance Max. Charging Voltage Ambient Temperature	 (For ref. only) >500 cycles (IEC 61951-2) 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage 179g Average 6mΩ upon fully charged (Range 4 - 8mΩ) at 1100Hz 1.5V at 1100mA charging Standard Charge : 0 to 40°C Fast Charging : 10 to 40°C Discharge : -20 to 50°C 	Low Rate Discharge Voltage(V) 1.6 1.5 1.4 1.3 1.2
Continuous Overcharge Weight Internal Resistance Max. Charging Voltage Ambient Temperature	(For ref. only) : >500 cycles (IEC 61951-2) : 1100mA maximum current for 1 year. No conspicuous deformation and/or leakage : 179g : Average 6mΩ upon fully charged (Range 4 - 8mΩ) at 1100Hz : 1.5V at 1100mA charging : Standard Charge : 0 to 40°C Fast Charging : 10 to 40°C	Low Rate Discharge Voltage(V) 1.6 1.5 1.4 1.3 1.2 1.1

Fast Charge (charge control required)

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High Rate Discharge



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