

GP Batteries

Product Portfolio



NiMH Rechargeable 2500 Series



GP NiMH

Rechargeable Battery

your best choice of power

Highest Capacity

When it comes to performance, quality and reliability, nothing performs like GP NiMH. With increasing demands for ultra-high performance rechargeable batteries, GP Batteries is proud to be the first to present the highest capacity GP NiMH 2500 Series. A top notch of its kind on the market, it is specially designed to meet the most stringent needs of sophisticated high drain applications such as digital cameras, MD players and other personal portable devices.

Major Applications

Digital cameras, personal digital assistants (PDAs), portable CD / VCD / DVD / MD / MP3 players, handheld TVs, palms, cordless phones, racing cars.

Power in digital age.





GP NiMH Rechargeable Battery 2500 Series

Major Features

- ⊕ **High capacity**
GP NiMH batteries have high energy density and deliver up to double the capacity of NiCd batteries of similar size. They are most suitable for sophisticated high drain applications, e.g. digital cameras, PDAs, palms, etc.
- ⊕ **Superior high rate discharge characteristics**
Up to 3C high rate discharge is possible.
- ⊕ **Broad operating temperature range**
-20°C to 50°C.
- ⊕ **Quick charging capability**
Rapid charge in about one hour with GP specified charging condition.
- ⊕ **Long service life**
Under different usage conditions, GP NiMH batteries can deliver 300-1000 charge/discharge cycles.
- ⊕ **Excellent overcharge endurance**
GP NiMH batteries can be continuously charged at 0.1C rate for one year without leakage or deformation.
- ⊕ **Built-in safety protection mechanism against misuse**
A resealable safety vent is built in to relieve internal pressure in case of misuse. Polarity reversal and overdischarge protection mechanisms are also incorporated in the cell.
- ⊕ **Absolutely no memory effect**
Discharge is not required before charging.
- ⊕ **Environmentally friendlier**
No cadmium, lead or mercury are added. Most suitable for markets with high environmental concerns.
- ⊕ **Comprehensive range**
GP NiMH batteries comprise of a comprehensive range of different sizes and capacities catering for a wide range of applications.
- ⊕ **High reliability**
GP NiMH batteries are produced with the best available material and advanced technology, allowing them to perform with outstanding reliability.
- ⊕ **ISO accreditation**
GP's manufacturing plants are accredited with ISO9001, 9002 and 14001 certificates. International quality standards in terms of design, manufacturing and environmental management are guaranteed.





NiMH Series

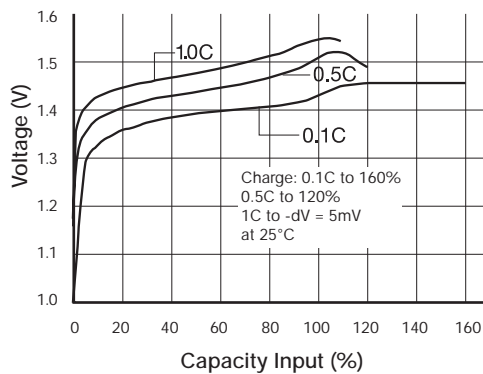
Size	GP Model	Voltage (V)	Capacity (mAh)*	Packing Type	
				C2	C4
AA	GP250AAHC	1.2	2450	⊕	⊕
	GP230AAHC	1.2	2250	⊕	⊕
	GP210AAHC	1.2	2050	⊕	⊕
	GP200AAHC	1.2	1950	⊕	⊕
	GP180AAHC	1.2	1800	⊕	⊕
	GP170AAHC	1.2	1700	⊕	⊕
	GP160AAHC	1.2	1600	⊕	⊕
	GP150AAHC	1.2	1500	⊕	⊕
	GP130AAHC	1.2	1300	⊕	⊕
	GP60AAHC	1.2	600	⊕	⊕
AAA	GP95AAAHC	1.2	920	⊕	⊕
	GP85AAAHC	1.2	850	⊕	⊕
	GP80AAAHC	1.2	800	⊕	⊕
	GP75AAAHC	1.2	750	⊕	⊕
	GP70AAAHC	1.2	700	⊕	⊕
	GP65AAAHC	1.2	650	⊕	⊕
	GP60AAAHC	1.2	630	⊕	⊕

* Discharge at 0.2C after charging at 0.1C for 16 hours.

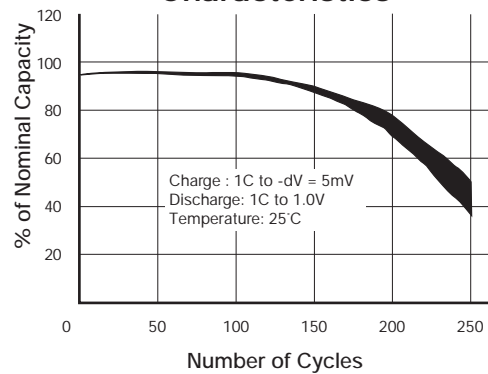
GP NiMH 2500 Series

Performance Characteristics

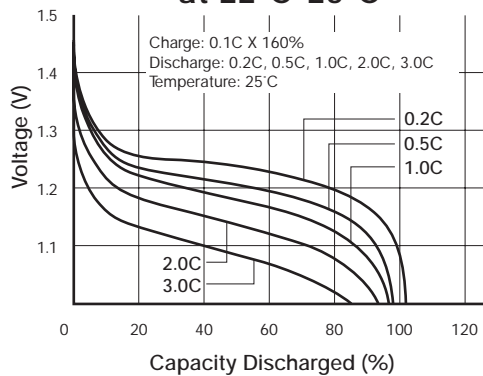
Charge Characteristics



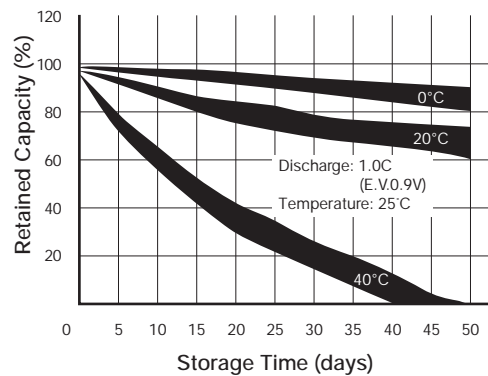
Charge / Discharge Cycle Characteristics



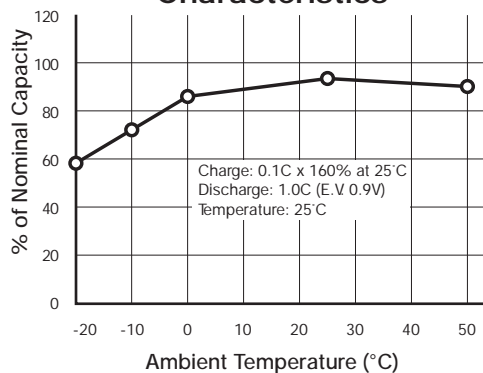
Discharge Characteristics at 22°C-25°C



Storage Characteristics



Discharge - Temperature Characteristics





GP PowerBank U-Smart

- 30 minutes to fully charge 4 pieces of NiMH AA or AAA batteries
- Patented charging technology
- Individual smart charging channels allow charging batteries of different capacities and different states of charge at the same time without any safety concerns
- Individual safety termination
 - * 4 x minus delta voltage (-dV)
 - * 4 x temperature sensor
 - * 4 x safety timer
- Damaged battery detection
- Alkaline and other primary battery detection
- 4 x dual color LED indicator
- Safety guaranteed
- 12V DC car charging function
- AC100-240V for worldwide use

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MINS



GP PowerBank Smart 2



- 1 hour to fully charge 4 pieces of NiMH / NiCd AA or AAA batteries
- Patented charging technology
- Individual smart charging channels allow charging batteries of different capacities and different states of charge at the same time without any safety concerns
- Individual safety termination
 - * 4 x minus delta voltage (-dV)
 - * 4 x temperature sensor
 - * 4 x safety timer
- Damaged battery detection
- Alkaline and other primary battery detection
- 4 x LED indicator
- Safety guaranteed
- 12V DC car charging function
- AC100-240V for worldwide use

1
HOUR



GP Batteries

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