



**POWEREX**

# PRODUCT CATALOG

Leading the Way in Rechargeable  
Batteries and Battery Charger Solutions





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# ABOUT US

## About Maha Energy

*Leading the Way in Rechargeable Batteries and Battery Charger Solutions*

Founded in 1993, Maha Energy Corporation is a global leader specializing in the design, manufacturing, and distribution of battery and charging technology for various industrial and consumer sectors.

With state-of-the-art research labs and production facilities in Asia, and sales & marketing offices worldwide, Maha Energy creates a global service network for both standard and custom-designed applications.

Maha Energy supplies not only to the consumer market, but also to major OEM manufacturers under their brands, and has many notable clients including Military & Defense, NASA, Kodak and Rockwell.

## Design & Development

*The Key to Advanced Battery & Charger Performance*

### Robust Core Technology

Maha Energy holds a decisive advantage by having the ability to design its own microcontrollers. This core technology allows Maha to quickly respond to market demands with never-before-seen features.

### Market and Technology Driven R&D

Maha Energy undertakes two distinct routes in product research and development: market and technology driven. As an active player in the market, Maha Energy's

product management teams constantly listen to customer's feedback and design products to address their needs. On the other hand, Maha Energy also invests strongly to improve fundamental technology in order to enhance performance and reduce cost.

### Above-and-Beyond Safety

Maha Energy meets and exceeds safety requirements regulated by agencies such as UL, CE, GS, C-Tick, PSE, etc. In many of the products, customers can expect multiple-redundant safety protections.

### Reliability

Design robustness is verified through accelerated life testing such as 25G HALT with thermoshock from -40° to 80°C.





**LEADING  
THE WAY IN**

# **RECHARGEABLE BATTERIES AND BATTERY CHARGER SOLUTIONS**

## **Manufacturing**

### *Production & Testing*

Maha Energy operates a state-of-the-art manufacturing hub in Taiwan, using highly automated production and testing equipment to achieve high yields and throughput while maintaining a competitive cost. All facilities are certified by ISO-9001, as well as UL, TUV and various other accreditation agencies.

Every Maha Energy product is tested individually by various automated testing systems eliminating the human factor in quality control. All products also undergo a rigorous burn-in/cycling sequence. Random sampling of in-production goods are subject to additional stringent reliability and aging tests.

## **Our Story**

Maha means infinity in English. However, the story of Maha Energy was not with a big entrance. Instead, this is a story about a young couple with two little boys, first generation immigrants realizing their American dream. Maha Energy is a minority woman-owned small business with great ambitions to provide better power solutions that gives a better environment for our future generations.

Being one of first to introduce the NiMH battery technology and tailor-made professional-grade chargers, Powerex brand has earned its recognition through years of hard work. The founder, armed with his Electrical Engineering degree, designed the legendary MH-C777 Universal Charger that allowed users to move the charging contacts to charge any of their batteries. Next was the MH-C9000 WizardOne Charger-Analyzer that allowed the user full adjustability for charging and analyzing AAA and AA batteries. Continuing on, the company focused devel-

opment of professional grade chargers for users that demand the highest performance. At the same time, the company focused on improving performance of the NiMH batteries that started at 1550mAh in capacity, all the way to 2700mAh today featuring low-self discharge characteristics. Powerex batteries offer some of the highest capacity, best performing, consumer rechargeable batteries in the market today.

26 years later, Maha Energy has stayed true to its values by providing products that outperform the competition and customer service that is second to none.

# GLOBAL DISTRIBUTION





## Where to Buy

Powerex Rechargeable batteries and chargers are available worldwide at a variety of online and retail stores.

### Africa

South Africa

### Australia

Australia  
New Zealand

### North America

Canada  
Mexico  
United States

### Asia

Bahrain  
China  
Hong Kong  
Indonesia  
Macau  
Malaysia  
Philippines  
Russia  
Saudi Arabia  
Singapore  
Thailand

### Europe

Bulgaria  
Czech  
Greece  
Latvia  
Netherlands  
Poland  
Romania  
Spain  
Sweden  
United Kingdom

### South America

Chile





# WHY RECHARGABLE BATTERIES?

## Two Decades of Commitment

Since 1993, Maha Energy Corporation has specialized in designing, manufacturing and distributing Powerex brand rechargeable batteries and charging technologies. For over 26 years, focused on the environment and sustainability, Maha Energy has never sold any disposable battery as a power solution. Maha Energy will still focus only on power solutions that will make the world a better place for future generations by reducing carbon footprint and landfill.

## Recharge, Reuse, Reduce, Recycle

People rarely talk about the different options they have that may lead to a more resource-efficient or energy-efficient lifestyle. This is especially true when it comes to our energy consumption choices. According to the Environmental Protection Agency (EPA), Americans throw away more than 3 billion batteries, about 180,000 tons of batteries, each year. More than 86,000 tons of these are single use disposable alkaline batteries. The amount of batteries we throw away each year can circle Earth more than 6 times.

The fact that rechargeable batteries can be recharged hundreds to thousands of times makes it not only cost-effective but also a great way minimize the amount of waste we generate. While there are billions of batteries thrown into the landfills each year, we can

greatly reduce the amount of waste by using rechargeable batteries for our electronic devices at home and at work. In addition, with established recycling programs worldwide, using rechargeable batteries may be the most sound choice to minimize our environmental impacts.

Recycling helps protect our natural resources, reduce landfills, conserve energy, reduce water and air pollution, and reduce greenhouse gas emissions that cause global warming. Maha Energy is a member of Call2Recycle's industry steward program. Call2Recycle is the North American first and largest consumer battery recycling and steward program, which has more than 25,000 active collection sites across USA and Canada. By partnering with Call2Recycle, we are committed to environmental sustainability and meet or exceed the recycling standards for safe recycling and management of batteries.



# **LEADING THE WAY IN RECHARGEABLE BATTERIES AND BATTERY CHARGER SOLUTIONS**

## **Industry Steward**

Maha Energy Headquarters is part of the Call2Recycle steward program and is an official drop-off location to recycle all batteries. The steward program helps battery and product manufacturers fulfill recycling requirements in the U.S. and Canada. This includes compliance with extensive state, provincial and federal regulations, such as the Mercury-Containing and Rechargeable Battery Act (The Battery Act).





## **Powerex Pro** Rechargeable Batteries



### **Powerex Pro Rechargeable AA NiMH Batteries**

The Powerex PRO Rechargeable battery is a nickel-metal hydride (NiMH) battery with ultra high capacity of 2700mAh. These batteries are built for performance and optimized for high drain devices by providing increased run time and improved low temperature performance down to -20°C. They can be recharged hundreds of times, up to one thousand times. The batteries are capable of being stored for an extended period of time and will retain up to 75% of their capacity after one year in storage.



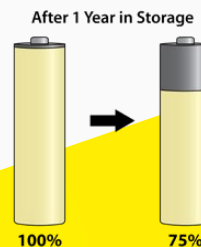
**Powerex Pro Rechargeable AA  
2700mAh - 4 pack**

SKU:	<b>MHRAA4PRO</b>
Name:	<b>Powerex Pro</b>
Size:	<b>AA</b>
Pack Size:	<b>4</b>
Nominal Voltage (V):	<b>1.2</b>
Rated Capacity (mAh):	<b>2700</b>
Minimum Capacity (mAh):	<b>2550</b>
Dimensions (mm):	<b>14.5 (D) x 50.5 (H)</b>
Weight (g):	<b>30</b>
Case Pack:	<b>90</b>



**Powerex Pro Rechargeable AA  
2700mAh - 8 pack**

SKU:	<b>MH-8AAPRO-BH</b>
Name:	<b>Powerex Pro</b>
Size:	<b>AA</b>
Pack Size:	<b>8</b>
Nominal Voltage (V):	<b>1.2</b>
Rated Capacity (mAh):	<b>2700</b>
Minimum Capacity (mAh):	<b>2550</b>
Dimensions (mm):	<b>14.5 (D) x 50.5 (H)</b>
Weight (g):	<b>30</b>
Case Pack:	<b>54</b>



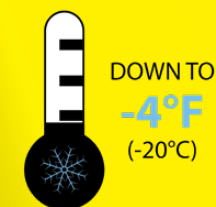
### CHARGE RETENTION

The Powerex PRO is a low self-discharge battery that can be stored for an extended period of time and still retain a full or nearly full charge. They can retain up to 75% of their capacity after 1 year in storage.



### REUSABLE POWER

Minimize your battery clutter by using the Powerex PRO battery that can be used over and over again. Save yourself money over time and be environmental friendly.



### LOW TEMPERATURE PERFORMANCE

The Powerex PRO batteries are capable of keeping your devices powered at a low temperature of -4°F (-20°C) and still deliver great performance.





# Powerex Precharged

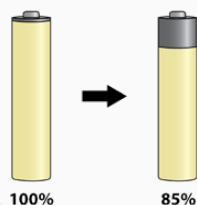
## Rechargeable Batteries



### Ready To Use

Unlike traditional NiMH batteries, the Powerex Precharged batteries can be stored for an extended period of time without substantial loss of power and are ready to use out-of-package. A common problem that plagues rechargeable batteries is that they need to be recharged about once every one to three months even if they are not used. This issue was tackled by developing advanced electrode materials to reduce the rate of power loss during storage. As a result, the Powerex Precharged batteries retain up to 85% of its charge even after one year in storage. The Powerex Precharged batteries are shipped pre-charged and ready to use.

After 1 Year in Storage



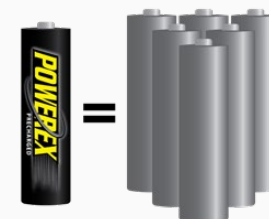
### CHARGE RETENTION

The Powerex Precharged battery is a low self-discharge battery that can be stored for an extended period of time and still retain a full or nearly full charge. They can retain up to 85% of their capacity after 1 year in storage.



### REUSABLE POWER

Minimize your battery clutter by using the Powerex Precharged battery that can be used over and over again. Save yourself money over time and be environmental friendly.



### SAVING MONEY

The purchase of the Powerex Precharged NiMH batteries saves you money, since you won't need to buy endless supplies of non-rechargeable alkaline batteries.



**Powerex Precharged AA  
2600mAh (4-Pack)**

SKU: **MHRAAP4**  
Name: **Powerex Precharged**  
Size: **AA**  
Pack Size: **4**  
Nominal Voltage (V): **1.2**  
Rated Capacity (mAh): **2600**  
Minimum Capacity (mAh): **2450**  
Dimensions (mm): **14.5 (D) x 50.5 (H)**  
Weight (g): **30**  
Case Pack: **90**



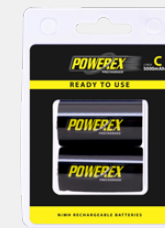
**Powerex Precharged AA  
2600mAh (8-Pack)**

SKU: **MH-8AAP-BH**  
Name: **Powerex Precharged**  
Size: **AA**  
Pack Size: **8**  
Nominal Voltage (V): **1.2**  
Rated Capacity (mAh): **2600**  
Minimum Capacity (mAh): **2450**  
Dimensions (mm): **14.5 (D) x 50.5 (H)**  
Weight (g): **30**  
Case Pack: **54**



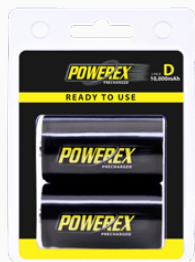
**Powerex Precharged AAA  
1000mAh (4-Pack)**

SKU: **MHRAAAP4**  
Name: **Powerex Precharged**  
Size: **AAA**  
Pack Size: **4**  
Nominal Voltage (V): **1.2**  
Rated Capacity (mAh): **1000**  
Minimum Capacity (mAh): **900**  
Dimensions (mm): **10.5 (D) x 44.5 (H)**  
Weight (g): **13**  
Case Pack: **160**



**Powerex Precharged C  
5000mAh (2-Pack)**

SKU: **MHRCPP2**  
Name: **Powerex Precharged**  
Size: **C**  
Pack Size: **2**  
Nominal Voltage (V): **1.2**  
Rated Capacity (mAh): **5000**  
Minimum Capacity (mAh): **4500**  
Dimensions (mm): **26.2 (D) x 50.0 (H)**  
Weight (g): **76**  
Case Pack: **50**



**Powerex Precharged D  
10,000mAh (2-Pack)**

SKU: **MHRDP2**  
Name: **Powerex Precharged**  
Size: **D**  
Pack Size: **2**  
Nominal Voltage (V): **1.2**  
Rated Capacity (mAh): **10000**  
Minimum Capacity (mAh): **9000**  
Dimensions (mm): **34.2 (D) x 61.5 (H)**  
Weight (g): **145**  
Case Pack: **45**



**Powerex Precharged 8.4V  
300mAh (1-Pack)**

SKU: **MHR84VP**  
Name: **Powerex Precharged**  
Size: **9V**  
Pack Size: **1**  
Nominal Voltage (V): **8.4**  
Rated Capacity (mAh): **300**  
Minimum Capacity (mAh): **270**  
Dimensions (mm): **26.5 (W) x 17.0 (D) x 48.5 (H)**  
Weight (g): **56**  
Case Pack: **100**



**Powerex Precharged 9.6V  
230mAh (1-Pack)**

SKU: **MHR9VP**  
Name: **Powerex Precharged**  
Size: **9V**  
Pack Size: **1**  
Nominal Voltage (V): **9.6**  
Rated Capacity (mAh): **230**  
Minimum Capacity (mAh): **215**  
Dimensions (mm): **26.5 (W) x 17.0 (D) x 48.5 (H)**  
Weight (g): **55**  
Case Pack: **100**



## 8-Cell Battery Chargers



**Advanced. Reliable. Professional.**

Eight Independent channels - it's like having 8 chargers!





### Powerex MH-C801D 8-Cell 1-Hour Charger

- For 1-8 AA/AAA NiMH/NiCD Batteries
- Rapid Charge Time: 1 hr, Soft Charge Time: 2 hrs
- Large LCD Status Indicator
- Built-in battery deep-conditioning system
- Worldwide heavy-duty power adapter



### Powerex MH-C800S 8-Cell Smart Charger

- For 1-8 AA/AAA NiMH/NiCD Batteries
- Rapid Charge Time: 2 hrs, Soft Charge Time: 4 hrs
- Large LCD Status Indicator
- Built-in battery deep-conditioning system



### Powerex MH-C808M Ultimate Professional Charger

- For 1-8 AA/AAA/C/D NiMH or NiCD Batteries
- Rapid Charge Time: 1-5 hrs, Soft Charge Time: 2-10 hrs
- Large Backlit LCD Status Indicator
- Built-in battery deep-conditioning system
- Microprocessor Controlled will not over/under charge

SKU: **MH-C801D**  
 Supported Batteries: **AA / AAA**  
 Number of Cells: **1 to 8**  
 Supported Battery Chemistry: **NiMH / NiCD**  
 Charge Time: **1 Hr (AA in Rapid Charge)**  
 Charge Rate (Default): **2000 mA**  
 Charge Rate (Soft): **1000 mA**  
 Battery Conditioner: **YES**  
 Display Type: **LCD**  
 Power Supply: **110-240V**  
 Car Adapter: **N/A**

SKU: **MH-C800S**  
 Supported Batteries: **AA / AAA**  
 Number of Cells: **1 to 8**  
 Supported Battery Chemistry: **NiMH / NiCD**  
 Charge Time: **1-2 Hrs (AA in Rapid Charge)**  
 Charge Rate (Default): **1000 mA**  
 Charge Rate (Soft): **500 mA**  
 Battery Conditioner: **YES**  
 Display Type: **LCD**  
 Power Supply: **110-240V**  
 Car Adapter: **N/A**

SKU: **MH-C808M**  
 Supported Batteries: **AA / AAA / C / D**  
 Number of Cells: **1 to 8**  
 Supported Battery Chemistry: **NiMH / NiCD**  
 Charge Time: **1 Hr (AA in Rapid Charge)**  
 Charge Rate (Default): **2000 mA**  
 Charge Rate (Soft): **1000 mA**  
 Battery Conditioner: **YES**  
 Display Type: **LCD (Backlit)**  
 Power Supply: **110-240V**  
 Car Adapter: **N/A**

# POWEREX

## Battery Charger-Analyzer





### Powerex MH-C9000PRO Professional Charger-Analyzer

SKU:	<b>MH-C9000PRO</b>
Supported Batteries:	<b>AA / AAA</b>
Number of Cells:	<b>1 to 4</b>
Supported Battery Chemistry:	<b>NiMH / NiCD</b>
Charge Time:	<b>1 Hr</b>
Charge Rate:	<b>Programmable from 0.2A to 2.0A in increments of 0.1A</b>
Discharge Rate:	<b>Programmable from 0.1A to 1.0A in increments of 0.1A</b>
Battery Conditioner:	<b>YES</b>
Display Type:	<b>Backlit LCD</b>
Power Supply:	<b>100-240V 50/60Hz</b>
Car Adapter:	<b>YES</b>



### Powerex MH-C980 Turbo Charger-Analyzer

SKU:	<b>MH-C980</b>
Supported Batteries:	<b>AA / AAA</b>
Number of Cells:	<b>1 to 8</b>
Supported Battery Chemistry:	<b>NiMH / NiCD</b>
Charge Time:	<b>1 Hr (AA/AAA in Turbo Charge)</b>
Charge Rate:	<b>2000mA (Turbo) / 1000mA</b>
Discharge Rate:	<b>200mA</b>
Battery Conditioner:	<b>YES</b>
Display Type:	<b>Backlit LCD</b>
Power Supply:	<b>100-240V 50/60Hz</b>
Car Adapter:	<b>N/A</b>





## 4-Cell Compact Battery Chargers





**Powerex MH-C401FS 100 Min Cool Charger**

SKU: **MH-C401FS**  
Supported Batteries: **AA / AAA**  
Number of Cells: **1 to 4**  
Supported Battery Chemistry: **NiMH / NiCD**  
Charge Time: **2 hr**  
Charge Rate (Default): **1000mA**  
Charge Rate (Soft): **500mA**  
Battery Conditioner: **NO**  
Display Type: **LED**  
Power Supply: **110-240V**  
Car Adapter: **YES**



**Powerex MH-C204FA Battery Charger**

SKU: **MH-C204FA**  
Supported Batteries: **AA / AAA**  
Number of Cells: **2 or 4**  
Supported Battery Chemistry: **NiMH / NiCD**  
Charge Time: **2 hr**  
Charge Rate (Default): **1000/500mA (2cell/4cell)**  
Charge Rate (Soft): **N/A**  
Battery Conditioner: **Yes**  
Display Type: **LED**  
Power Supply: **110-240V**  
Car Adapter: **YES**



**Powerex MH-C204W 1-Hour Worldwide Travel Conditioning Charger**

SKU: **MH-C204W**  
Supported Batteries: **AA / AAA**  
Number of Cells: **2 or 4**  
Supported Battery Chemistry: **NiMH / NiCD**  
Charge Time: **1 Hr**  
Charge Rate (Default): **2000/1000mA (2cell/4cell)**  
Charge Rate (Soft): **N/A**  
Battery Conditioner: **YES**  
Display Type: **LED**  
Power Supply: **110-240V**  
Car Adapter: **N/A**

**POWEREX**

# 9V Battery Charger







**Powerex MH-C490F**  
Stealth Two-Hour Compact 4-Bank  
Battery Charger

- For 1-4 7.2V, 8.4V, 9.6V NiMH Batteries
- 4 independent channels
- Charging Time: 2-3 hours
- Includes AC Power and Car Adapters
- Delta-V Microprocessor for Full Charging

SKU:	<b>MH-C490F</b>
Supported Batteries:	<b>9V</b>
Number of Cells:	<b>1 to 4</b>
Supported Battery Chemistry:	<b>NiMH</b>
Charge Time:	<b>2-3 hrs</b>
Charge Rate (Default):	<b>70-90mA</b>
Charge Rate (Soft):	<b>N/A</b>
Battery Conditioner:	<b>NO</b>
Display Type:	<b>LED</b>
Power Supply:	<b>110-240V</b>
Car Adapter:	<b>YES</b>



## Accessories



**Powerex Rechargeable LED Lantern with Power Port**  
SKU: MH-PBL52

- 200 Lumens in High Mode
- Lasts up to 100 hours in Low Mode
- Water Resistant IP65 Rating
- Includes micro-USB charging cable, AC adapter not included



**Powerex Accessory Padded Bag**  
SKU: MHS-CC250

- Padded bag for accessory protection
- Large zippered opening
- Padded dividers inside to organize accessories
- Small zippered mesh bag inside to hold smaller items
- Handle for easy carrying



**Powerex Battery Holder**

- SKU: MH-BH4AA
- Holds 4 AA/AAA batteries



**Powerex Battery Holder**

- SKU: MH-BH8AA
- Holds 8 AA/AAA batteries



**Powerex Battery Holder**

- SKU: MH-BH49V
- Holds 4 9V batteries



#### Global Headquarters

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