



Empowering Your Digital Life.

Product Overview



EIGHT SERIES

Advanced. Reliable. Professional.



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FEATURES

Supported Batteries

1 to 8 AA, AAA, C, D

Recharge Time

1 Hour (AA/AAA), 1-5 Hours (C,D)

Battery Conditioner

Yes

Display Type

LCD with White Backlight

Soft Charging Mode

Yes

Power Supply

External (DIN Connector)

Car 12V Operation

No

Worldwide Voltage

Yes

MH-C801D

1 to 8 AA, AAA

1 Hour

Yes

LCD

Yes

External (DIN Connector)

No

Yes

MH-C800S

1 to 8 AA, AAA

1 Hour (AAA) 2 Hours (AA)

Yes

LCD

Yes

External (AC Adapter)

No

Yes

FEATURES AND BENEFITS

Eight Independent Charging Circuits

Charge 1 to 8 batteries.

MH-C801D - Charge AA/AAA NiMH or NiCD batteries.

MH-C800S - Charge AA/AAA NiMH or NiCD batteries.

MH-C808M - Charge AA/AAA/C/D NiMH or NiCD batteries.

Ultra Fast Recharge Time

Recharges AA and AAA in about an hour regardless of the number of batteries. One to five hours for C and D batteries. Designed for today's super high capacity batteries.

LCD Display

Displays charger mode and battery charge level. White backlight on MH-C808M.

Built-in Deep Battery Conditioning System

Automatic cycle charges, discharges and recharges batteries. Restores batteries to their optimal performance level and reduces memory effect.

Low-Temperature Charging Algorithm

The MH-C808M is the coolest rapid charger in Powerex's line of professional products. Low charging temperature maximizes battery life and performance.

Microprocessor Controlled

0.001V voltage detection.

No under-charge. No over-charge.

Just the right charge every time.

Maximum battery longevity.

Heavy Duty International AC Adapter

Worldwide auto-ranging switching adapter.

The 100-240V 50/60Hz universal adapter employs a rugged DIN connector for reliable contact.

Selectable Soft and Rapid Charge Modes

Soft charge option for highest battery life.

Rapid charge option for shortest charge time.

Simply Rugged: No Spring-loaded Contacts

Uses rugged fixed contacts rather than spring-loaded ones, enhancing product reliability.

P/N	AC POWER PLUG
MH-C800S	US
MH-C800S-A	Aus/NZ
MH-C800S-E	European
MH-C800S-U	UK
MH-C801D	US
MH-C801D-A	Aus/NZ
MH-C801D-E	European
MH-C801D-U	UK
MH-C808M	US
MH-C808M-A	Aus/NZ
MH-C808M-E	European
MH-C808M-U	UK

CHARGER ANALYZER

Find the Weakest Link

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FEATURES

MH-C9000

Supported Batteries	1 to 4 AA, AAA
User Selectable Charging Rate	Varies (depending on charging current)
Battery Conditioner	Yes
Display Type	LCD with White Backlight
Soft Charging Mode	Yes
External AC Adapter	Yes
Car 12V Operation	Yes (optional)
Worldwide Voltage	Yes

MH-C9000 FEATURES AND BENEFITS

Four Independent Slots

Charge AA/AAA NiMH or NiCD batteries.

Large Backlit LCD Display

Digitally displays capacity, voltage, time and current.

Endless Programming Possibilities

Over 10,000 ways! 29 selectable charging and discharging rate. Charging current from 0.2A to 2.0A and discharging current from 0.1A to 1.0A in 0.1A increments.

Five Modes of Operation

Charge: Recharges the battery at the selected rate. Suitable for batteries used frequently.

Refres & Analyze: Charges the battery, rest for one hour, discharge, rest again, then recharges it. Selectable charging and discharging rate. Suitable for batteries stored for more than two weeks but less than 3 months or those showing poor performance.

Break-In: Also known as IEC capacity measurement and "Battery Forming." Charges battery at 0.1C for 16 hours, rest for one hour, discharges battery at 0.2C, then recharges again at 0.1C for 16 hours. Suitable for new batteries and those stored for more than 3 months.

Discharge: Discharges the battery at the selected rate.

Cycle: Performs charge-discharge cycle for up to 12 times with discharge capacity stored in memory. Recharges battery after final cycle.

Delivers the Right Charge

Independent negative delta V, temperature and timer protection eliminates over and undercharging.

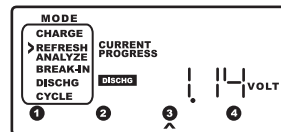
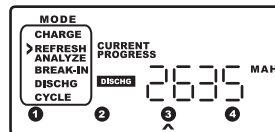
Take Care of Your Batteries and Maximize Runtime

Battery Matching: In most devices, usually two or more batteries are used together. One poorly performing battery can significantly reduce the device runtime. Better matching refers to grouping batteries with similar "actual" capacity. To perform this, use the Refresh & Analyze mode to determine the battery capacity. Group batteries with capacity within about +/-5% of the rated capacity.

Battery Forming: New batteries and those stored for extended period become chemically deactivated. Battery forming is a charge-discharge-charge cycle which forces a full charge into the battery at a very slow rate. This process activates the battery. In certain cases, it needs to be repeated two or three times. It can be performed using the Break-In mode.

Light Travel Worldwide Power Supply and 12V Compatible

The worldwide 100-240V switching adapter is light weight and small. Also compatible with 12V input. Will work on car when used with the optional cigarette lighter adapter.



P/N AC ADAPTER TYPE

MH-C9000	US
MH-C9000-A	AUS/NZ
MH-C9000-E	European
MH-C9000-U	UK

TRAVEL

Light Travels, Travel Light.

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FEATURES

MH-C204W

Supported Batteries	2 or 4 AA/AAA
Recharge Time	1 Hour
Battery Conditioner	Yes
Display Type	Dual LED
Soft Charging Mode	No
Power Supply	Integrated
Car 12V Operation	No
Worldwide Voltage	Yes

MH-C204W FEATURES AND BENEFITS

Weights Only 4 Oz!

No need to carry around another bag for your heavy charger. Unlike other models, the MH-C204W does not need an external power adapter - it has an universal power adapter built into it. The size of the MH-C204W is about the same size as a standard consumer digital camera.

Worldwide Operation

Instead of carrying around transformers for each country, the MH-C204W has an integrated 100-240V 50/60Hz international power supply. Take the charger anywhere in the world and never worry about voltage!

Ultra Fast Recharging Time

Recharge 2 AA or 2 AAA batteries in about 1 hour.
Recharge 4 AA / AAA batteries in about two hours.

5th Generation Microprocessor

When the light turns green, your batteries will be nearly 98% charged so you can get the most of the high capacity batteries. The MH-C204W has a 5th generation PowerEx microprocessor that features an unique four stage charging process.

Bring Dead Batteries Back to Life

Like a well conditioned athlete, batteries also need to be conditioned from time to time so they can produce maximum performance in all of your equipment. Batteries that were ready for the recycle bin may be brought back to life by using the conditioning feature. The conditioning feature is also a useful tool in reviving poorly performing batteries.

P/N	AC CORD TYPE
MH-C204W	US
MH-C204W-A	Aus/NZ
MH-C204W-E	European
MH-C204W-U	UK

CLASSIC

Unquestionable Trust.

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FEATURES

MH-C401FS

Supported Batteries	1 to 4 AA/AAA
Recharge Time	100 Min.
Battery Conditioner	No
Display Type	Four LED
Soft Charging Mode	Yes
Power Supply	External
Car 12V Operation	Yes
Worldwide Voltage	Yes

Exclusive MH-C401FS Features

Unique FLEX Negative Pulse Charging Algorithm

Allows the battery to accept a more complete charge. Regardless of the battery's capacity, if they cannot be fully charged users would not be able to fully realize the potential of the batteries. The PowerEx MH-C401FS delivers the most complete charge for chargers in its class. The new FLEX negative pulse algorithm also significantly enhances battery life. FLEX Pulse also makes traditional "battery conditioning & cycling" unnecessary as the pulse eliminates the memory effect just by charging.

Manually Switch Between 100 Minute Fast Charge and 5 Hour Gentle Charge

First charger on the market to offer the choice between a 100-minute rapid charge and a slower, gentler 5-hour charge, both controlled by a microprocessor termination to prevent overcharge. Simply flipping a switch, enables the 5 hour gentle charge allowing ultra-cool charging when charging time is not crucial.

Four Independent Charging Circuits

Unlike some ultra-fast chargers on the market, the MH-C401FS charger has four independently controlled channels to charge and monitor each battery individually. This allows each battery to be charged to its maximum potential without risk of overcharging. The charger can charge one, two, three or four batteries.



P/N	CAR ADAPTER	CONNECTOR TYPE
MH-C401FS-DCW	Yes	US
MH-C401FS-DCWA	Yes	Aus/NZ
MH-C401FS-DCWE	Yes	Eropean
MH-C401FS-DCWU	Yes	UK

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FEATURES	MH-C490F	MH-C1090F
Supported Batteries	1 to 4 9V (7.2V, 8.4V, 9.6V)	1 to 10 9V (7.2V, 8.4V, 9.6V)
Recharge Time	2 Hours	2 Hours
Battery Conditioner	No	No
Display Type	Four LED	Ten LED
Soft Charging Mode	No	No
Power Supply	External AC Adapter	External AC Adapter
Car 12V Operation	Yes	No
Worldwide Voltage	Yes	Select models

FEATURES AND BENEFITS

Four or Ten Individual Charging Channels

Capable of charging up four or ten 9V rechargeable batteries at a time.

Charge Batteries in 2 Hours

Charge 7.2V, 8.4V or 9.6V rechargeable batteries in 2 hours or less. Allows each battery to be charged to its full potential without risk of overcharging.

Microprocessor Driven

Automatically switches to trickle charge after batteries are finished charging so that they maintain their charge.

Individual LED's for each charging channel

Reviving Capabilities

Capable of reviving older 9V batteries which may no longer be accepting a charge.

Mobile

The Four Bank Charger is car capable and small enough to fit in your hand.

Can be powered by car 12V.

"Maha Energy's PowerEx MH-C1090F rapid 9-volt charger can be set up so an entire team can change, or check, their 9-volt batteries before each game. There is no other product like it at this time."

-Jessica Sparks
Player/Writer
APG magazine.

"When comparing rechargeable batteries, the PowerEx provided a twenty three percent longer operating life than the 8.4 volt battery, though the two are competitively priced"

-Bill Mills
warpig.com

P/N	CAR ADAPTER	AC ADAPTER TYPE
MH-C490F-DCW	Yes	US
MH-C490F-DCWA	Yes	Aus/NZ
MH-C490F-DCWE	Yes	European
MH-C490F-DCWU	Yes	UK
MH-C1090F	No	US
MH-C1090F-A	No	Aus/NZ
MH-C1090F-E	No	European
MH-C1090F-U	No	UK

REINVENTED

SMART TRAVEL CHARGERS WITH BATTERY CONDITIONERS

BATTERIES

Your True Capacity and True Performance Solution.



FEATURES AND BENEFITS

Last up to Twice as Long as Ordinary Rechargeable Batteries.

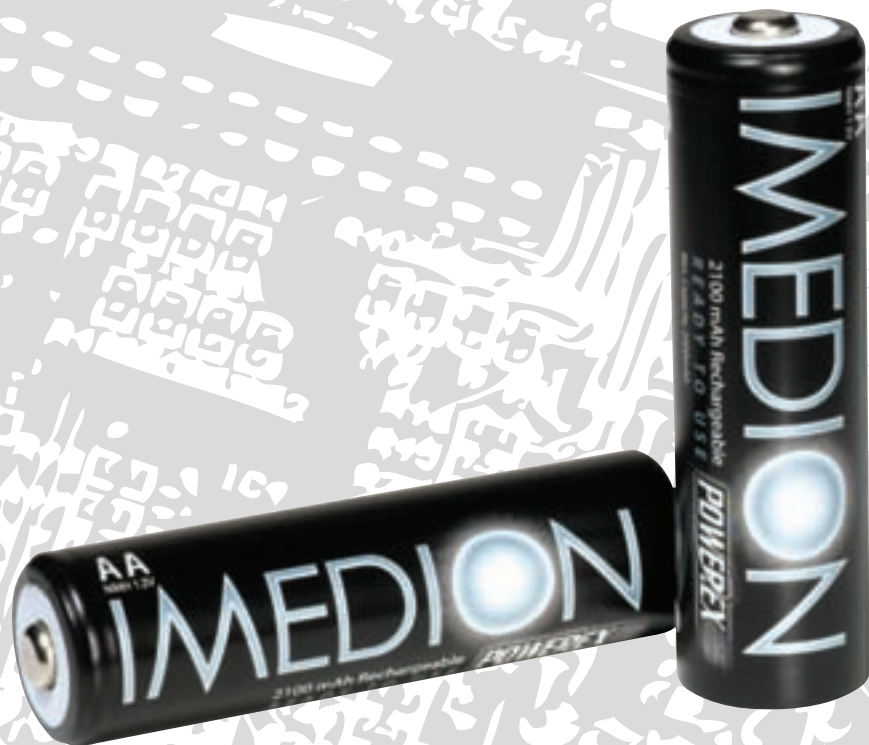
- Run time is at least 30-40% longer than most competitors!
- Can be charged hundreds of times.
- Manufactured to industrial standards for the consumer market.
- Memory free operation
- May be charged at anytime.
- Excellent for power intensive devices.



PRODUCT	SIZE	CAPACITY	VOLTAGE	DIMENSIONS
MH-AA270-BH	AA (4pcs Retail blister card P/N: MHRAA4, includes battery holder)	2700 mAh	1.2V	14.4mmx50.5mm
MH-AAA1000	AAA (2pcs Retail blister card P/N: MHRAA2)	1000 mAh	1.2V	10.3mm x 44.5mm
MH-C5000	C (2pcs Retail blister card P/N: MH-2C500)	5000 mAh	1.2V	25.5mm x 50.0mm
MH-D11000	D (2pcs Retail blister card P/N: MH-2D110)	11000 mAh	1.2V	32.2mm x 61.5mm
MH-96V230	9V (1pc Retail blister card P/N: MHR9V)	230 mAh	9.6V	1in x .7in x 1.8in
MH-84V300	9V (1pc Retail blister card P/N: MHR8V)	300 mAh	8.4V	1in x .7in x 1.8in

BATTERIES

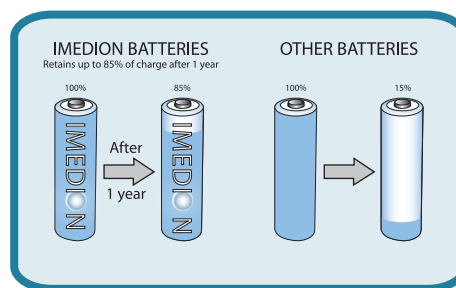
Not All Batteries Are Created Equal.



FEATURES AND BENEFITS

New Generation Rechargeable Batteries.

- Pre-Charged and ready to use out-of-package.
- Can be stored for an extended period of time without substantial loss of power.
- Retains up to 85% of charge after one year of storage.
- Recharges up to 1000 times.
- Suitable for high drain devices such as digital cameras and gaming devices.



PRODUCT	SIZE	CAPACITY	VOLTAGE	DIMENSIONS
MH-AA2100I	AA (4pcs Retail blister card P/N: MHRAAI4)	2100 mAh	1.2V	14.4mmx50.5mm
MH-AAA800I	AAA (4pcs Retail blister card P/N: MHRAAA14)	800 mAh	1.2V	10.3mmx44.5mm

MAHA

Worldwide Headquarters

Maha Energy Corporation
18567 E. Gale Avenue
City of Industry, CA 91748 USA
Tel: (626) 363-9017
Fax: (626) 363-9010
www.mahaenergy.com