



MH-C401FS

100 Minute Cool Charger for
1-4 AA / AAA NiMH / NiCD Batteries

Thank you for purchasing the PowerEX battery charger. Read these instructions carefully and thoroughly before operating this unit. **IMPORTANT SAFETY INSTRUCTIONS. READ AND SAVE THESE INSTRUCTIONS.**

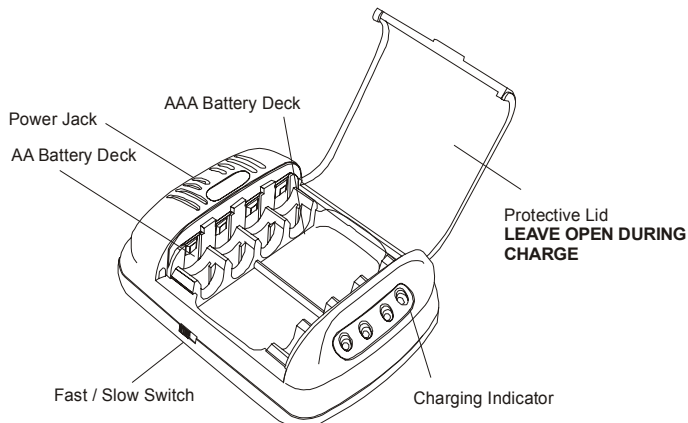
GENERAL PRECAUTIONS

- Do not charge any other chemistry of battery cells other than NiCD and NiMH.
- Do not expose the unit to rain or moisture due to risk of fire.
- Do not operate the charger if it appears damaged in any way.
- Always place the battery cells with positive tip facing top. Incorrect polarity may cause fire or explosion.
- Always use the supplied AC adapter or cigarette lighter adapter (optional). The cigarette lighter adapter includes a fuse. CAUTION: for continued protection against risk of fire, replace only with the same type and rating of fuse.
- Do not allow the battery terminals to become shorted.
- To reduce the risk of damage to the AC power adapter, always pull by connector.

FEATURES & SPECIFICATIONS

- Rapid charge both rechargeable **Nickel Cadmium (NiCD)** and **Nickel Metal Hydride (NiMH)** AA / AAA size cylindrical battery cells in around 100 minutes (depends on battery capacity).
- Four individually monitored charging channels.
- Microprocessor driven FLEX negative pulse charging.
- Manually switch between 100 minute rapid charge and 5 hour gentle charge.

Rapid Charge Current:	1000mA (AA), 500mA (AAA)
Slow Charge Current	300mA
Trickle Charge Current:	50mA
Charging Cell Configuration:	1, 2, 3 or 4 AA / AAA
Microprocessor:	Negative DeltaV
Input Voltage:	12V DC 1000mA



CHARGING INSTRUCTION

For new NiMH batteries, it is necessary to cycle them three to five times before they reach peak performance. Battery cycling can be achieved simply by using the batteries completely and recharging them.

When using at home / office

- Connect the supplied AC adapter to the charger's power input jack in the rear.
- Plug the AC adapter into an outlet matching the input specification shown on the label of the adapter.
- Using the switch on the left side of the charger, select **FAST** for 100 minute rapid charge and select **SLOW** for 5-hour gentle charge.

WHEN TO USE FAST AND SLOW: The five-hour gentle charge is designed to reduce the battery temperature during charging and enhance overall battery life. When charging time is not critical, use the SLOW 5-hour gentle charge to enhance battery life.

- Place the batteries into the charger. Keep in mind that the charger consists of four independent circuitry. Therefore, you can put one, two, three or four batteries regardless of capacity differences.

Whenever the batteries are inserted in the charger, always leave the charger lid open to allow better cooling.

WARM BATTERIES? It is normal for NiMH & NiCD batteries to become warm while being rapid charged. Temperature may reach as high as 131 degree F.

Indicator Condition	Meaning
RED	Charging
GREEN	Charge Completed. Trickle Charging
RED FLASHING	Bad Battery

- When the lights turn green, the batteries are ready to be used. If left inside the charger, the batteries will be trickle charged.

When using in a vehicle

(Optional Car Kit Required)

Make sure your vehicle's output voltage is between 9V to 15V, and is capable of supporting a 1000mA current drain. If you have any concerns regarding this, refer to your vehicle owner's manual.

- Plug in the supplied cigarette lighter adapter into your vehicle's cigarette lighter, without the charger attached. Verify that the green power LED on the cigarette lighter adapter is illuminated. If LED does not light, your vehicle may need to be running in order to energize the cigarette lighter or the inline fuse may need to be replaced.
- Connect the charger to the connector-end of the cigarette lighter adapter.
- Follow steps 3-5 on the section "When using at home / office".

Manufactured By:

MAHA ENERGY CORP.

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