

MH-C204F

AA / AAA NiMH & NiCD
Intelligent Rapid Charger



"Your Supplier, Your Partner,
Your Friend!"

MAHA ENERGY CORP.

Thank you for purchasing the Maha 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 in addition to NiCD and NiMH.
- When charging batteries, do not use batteries of different capacities or brands. Failure to do so may damage the batteries.
- 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, pull by connector rather than the cord when disconnecting.
- Use of an attachment not recommended by or sold by the battery charger manufacturer may result in a risk of fire, electric shock or injury to persons.
- When using the optional car kit, vehicle should never be started while the charger is in use. Damage to the charger could occur.

FEATURES & SPECIFICATIONS

- Rapid charge both rechargeable **Nickel Cadmium (NiCD)** and **Nickel Metal Hydride (NiMH)** AA / AAA size cylindrical battery cell.
- Conditions and rejuvenate NiCD and NiMH batteries to enhance performance.
- Microprocessor controlled rapid charge with automatic trickle charge.
- Two independent circuits, each capable of charging two batteries (AA /AAA)

Rapid Charge Current:	500mA
Trickle Charge Current:	24mA
Discharge Rate:	240mA
Charging Cell Configuration:	Two or Four AA / AAA NiCD or NiMH
Microprocessor:	Two independent circuit, capable of charging and discharging batteries simultaneously. ΔV based.
Charge Time:	60-160 minutes*
Input Voltage:	12VDC 500mA

* Charge time will vary depending upon the brand, capacity, and condition of batteries being charged.

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CHARGING INSTRUCTION

When using at home / office

- Plug in the supplied AC power adapter into a 110V 60Hz outlet, **without the charger attached**.
- Connect the charger to the connector-end of the AC power adapter.
- You are now ready to place the batteries into the charger. Keep in mind that the charger consists of two independent circuitries. It is like having two separate chargers. Therefore, you can put a set of two batteries at bank 1 and 2, while placing a different set at the other. **You must place either 2 or 4 batteries.**
- After you have inserted the batteries, you can either **charge or condition** them. If you wish to charge, simply leave the batteries in the charger. If you wish to **condition**, press the button located in the front of the charger. Now, simply wait until the appropriate lights show to indicate a full charge.

WHAT IS CONDITIONING? *The conditioning feature rejuvenates your batteries and will eliminate the memory effect on certain batteries. It discharges and recharges your batteries. When the discharge is complete, the charger will automatically return to rapid charge mode.*

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

Indicator Condition	Meaning
RED	Rapid Charging
GREEN	Charge Completed
YELLOW FLASHING	Conditioning

- When the green lights are shown, the batteries are ready for usage.

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 500mA current drain. If you have any concerns regarding this, refer to your vehicle's 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 step four and five on the section "When using at home / office".

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