



MH-C980

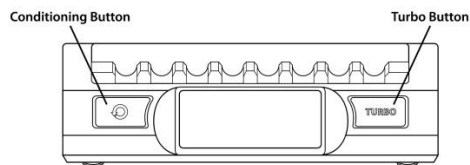
Eight Cell AA/AAA Charger Analyzer

Thank you for purchasing the Powerex MH-C980 battery charger. Read these instructions carefully before operating this unit.

GENERAL PRECAUTIONS

- Do not charge battery cells other than NiMH or NiCD. AA batteries must be able to accept a 2.0A (Turbo Mode) / 1.0A (Default Mode) charge current. AAA Batteries must be able to accept a 1.0A (Turbo Mode) / 0.5A (Default Mode) charge current.
- Do not use the one-hour Turbo Mode on AA batteries rated under 2000mAh and AAA batteries under 700mAh. To charge them, use the Default Mode (refer to "Default Mode").
- Do not expose the unit to rain or moisture due to the risk of fire.
- Do not operate the charger if it appears damaged in any way.
- Always place the battery cells with positive tip facing the top. Incorrect polarity may cause fire or explosion. Observe polarity diagrams located on the charger.
- Do not allow the unit to be exposed to direct sunlight. Operate in well-ventilated area.
- Do not allow the battery terminals to become shorted.
- To reduce the risk of damage to the power cord, always pull by connector rather than the cord.

FEATURES & SPECIFICATIONS



- Eight independent charging slots. Charges 1-8 AA or AAA batteries.

- Selectable Turbo Mode and Conditioning Mode.
- Recharge in approximately 1 hour (in Turbo Mode).
- 100-240V worldwide power supply.

Turbo Charge Current:	2.0A (AA), 1.0A (AAA)
Default Charge Current:	1.0A (AA), 0.5A (AAA)
Microprocessor:	Ninth-Generation MH-NM7108 Powerex Precision Microprocessor
Charge Time*:	60 Minutes (Turbo), 120 Minutes (Default)
Input Voltage:	AC 100-240V 50-60Hz

* Charge time based on 2000mAh capacity batteries. Charge time will vary depending upon the brand, capacity, and condition of batteries being charged.

MODES

This section explains various charging modes and when to use them. To enable each mode, refer to the "Operation" section.

Default Mode

- Maximizes battery life and performance. Recharging time is approximately 2-3 hours.

NOTE: Time may vary depending on battery capacity and how much charge is remaining in the battery.

- Suitable for most NiMH or NiCD batteries.
- Recommended if recharging time is not critical.

Turbo Mode

- Faster recharging time. Charges twice as fast as the Default Mode, approximately 1-1.5 hours.
- Recommended for AA NiMH batteries with capacity of at least 2000mAh and AAA NiMH with capacity of at least 700mAh.

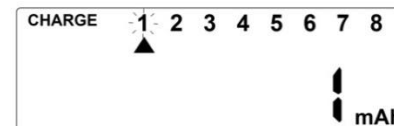
Conditioning Mode

- Rescues degraded batteries and exercise infrequently used batteries.
- Rejuvenates and cycles the batteries. It applies a special conditioning cycle which restores battery performance. Requires up to 24 hours to complete the cycle.
- Recommended every 6 months or once a year to ensure battery performance.

OPERATION

Default Mode

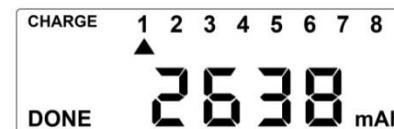
- Plug the power connector to the charger first then plug the AC adapter into the wall outlet.
- Insert AA and/or AAA batteries. For best performance, insert the batteries from the left to right.
- Once the battery is inserted, charging will commence for that slot. Each slot number will start flashing indicating it's charging.



The displayed mAh value represents the amount of energy that was charged into the battery. It is **NOT** the actual capacity of the battery.

- Charging time will take approximately 2-3 hours.

Once a battery is done charging, the slot number will stop flashing and remain solid. The charger will display DONE for each channel that is done charging. The charged battery may be removed for use.



The displayed mAh value represents the amount of energy that was charged into the battery. It is **NOT** the actual capacity of the battery.

- The charger will go into standby mode once all batteries are done charging. To completely turn off the unit, unplug the unit from the wall.

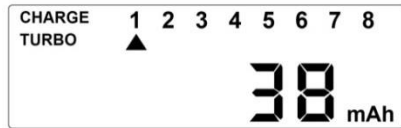
Turbo Mode

Turbo Mode is activated for all battery slots simultaneously and cannot be activated for each individual battery. It cannot be used together with the Conditioning Mode.

NOTE: If charging has started in the Default Mode, you can no longer change it to a different mode. You must reset the charger to start over.

- Remove all batteries from the charger, if any.
- Insert **ONE** battery in the first left slot.

3. Within five seconds, press the TURBO button. The Turbo symbol will be displayed on the LCD screen.



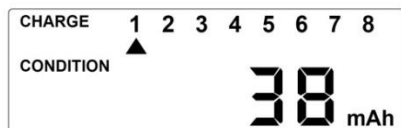
4. Insert the remaining batteries.
The displayed mAh value represents the amount of energy that was charged into the battery. It is NOT the actual capacity of the battery.
 5. Charging time will take approximately 1-1.5 hours.
 6. Once a battery is done charging, the slot number will stop flashing and remain solid. The charger will display DONE for each channel that is done charging. The charged battery may be removed for use.
- The LCD screen displays 'TURBO' and 'DONE' on the left. Above the slot numbers 1-8, a triangle points to slot 1. The number '2638' is displayed in large digits, followed by 'mAh'.
7. The charger will go into standby mode once all batteries are done charging. To completely turn off the unit, unplug the unit from the wall.

NOTE: Turbo Mode will remain activated even if charging is completed. The charger will reset to the Default Mode when all batteries are removed (Turbo symbol disappears).

Conditioning Mode

Conditioning Mode is activated for all battery slots simultaneously and cannot be activated for each individual battery. It cannot be used together with the Turbo Mode. The Conditioning Mode is recommended every 6 months or once a year to ensure battery performance.

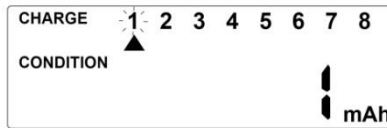
1. Remove all batteries from the charger, if any.
2. Insert **ONE** battery in the first left slot.
3. Within five seconds, press the CONDITION button. The Condition symbol will be displayed on the LCD screen.



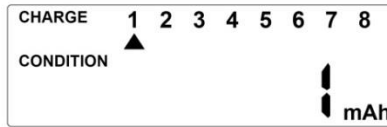
4. Insert the remaining batteries.
5. The Conditioning Mode can take up to 24 hours to complete.
6. The conditioning cycle has five steps:

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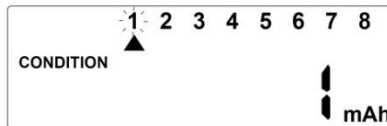
Step 1: Charger will charge all batteries.



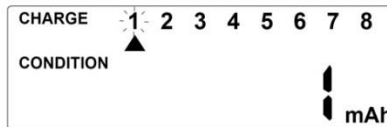
Step 2: Charger will rest for approximately 1 hour.



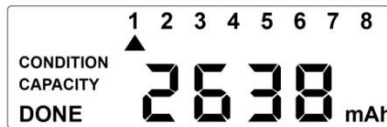
Step 3: Charger will condition all the batteries.



Step 4: Charger will recharge all batteries.



Step 5: Charger will display Done when the batteries are fully charged. The displayed mAh capacity represents the available capacity of the battery.





7. The charger will go into standby mode once all batteries are done charging. To completely turn off unit, unplug the unit from the wall.

Additional Selections

- Scroll Left and Right to see battery process:
 - **To scroll Left:** Press the CONDITION button.
 - **To scroll Right:** Press the TURBO button.
 - The screen will remain lit for 30 seconds from your last button press.
- To permanently turn backlit screen On/Off while in use:
 - **Turn On:** Press and hold both the CONDITION and TURBO buttons simultaneously until the screen is lit.

- **Turn Off:** Press and hold both the CONDITION and TURBO buttons simultaneously until the screen light turns off to reset into Default Mode.
- The backlit screen will go back into Default Mode once the charger has been unplugged.

TROUBLESHOOT

-  = Battery Fault
 - Please remove batteries from the charger.
-  = Caution! Batteries may be hot to touch
 - Note which slot number has the flashing number and triangle (battery fault).
 - Unplug the charger.
 - Allow the batteries to cool down for 30 minutes.
 - Remove the faulty battery from the slot.

WARRANTY

The MH-C980 Charger-Analyzer has a 3-Year Limited Warranty.

See website www.mahaenergy.com for more details.

Manufactured By:

MAHA ENERGY CORP.

Tel: 1-800-376-9992

www.mahaenergy.com

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