MH-C801D

Eight Cell One Hour Charger

Thank you for purchasing the PowerEx MH-C801D battery charger. Read these instructions carefully and thoroughly before operating this unit. IMPORTANT SAFETY INSTRUCTIONS. READ AND SAVE THESE INSTRUCTIONS.

GENERAL PRECAUTIONS

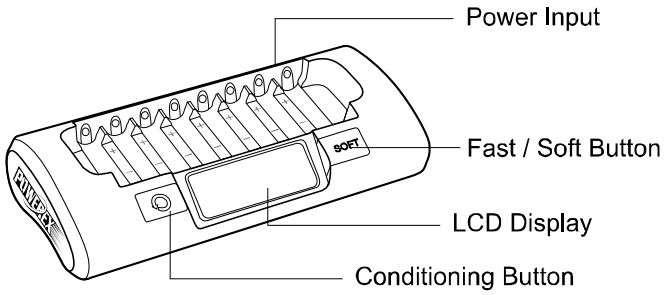
- Do not charge battery cells other than NiMH or NiCD. AA Batteries must be able to accept a 2.0A (Rapid mode) / 1.0A (Soft mode) rapid charge current. AAA Batteries must be able to accept a 0.7A (Rapid) / 0.35A (Soft) rapid charge current.
- Do not use one-hour rapid charge mode on AA batteries rated under 2000mAh and AAA batteries under 700mAh. To charge them, use the Soft Charging mode (refer to "Soft Charging 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 Rapid Charge and Soft Charge mode.
- Recharge in approximately 1 hour.
- Selectable conditioning / rejuvenation cycle.
- Worldwide power supply.

Rapid Charge Current:	2.0A (AA), 0.7A (AAA)
Microprocessor:	Eighth-generation MH-NM7008 Powerex Precision Microprocessor
Charge Time*:	60 Minute (Rapid), 120 Minute (Soft)
Input Voltage:	AC 100-240V 50-60Hz

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



VARIOUS MODES

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

Rapid Charge Mode (Default)

- Shortest recharging time (approximately one hour).
- Suitable for AA batteries with capacity greater than 2000mAh and AAA with capacity greater than 700mAh.

Soft Charging Mode

- Maximizes battery life and performance (recharging time approximately two hours).
- Suitable for most batteries.
- Recommended if recharging time is not critical.

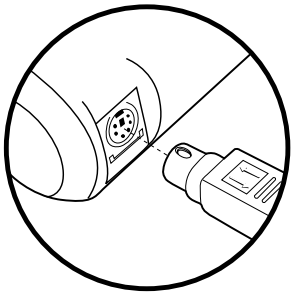
Conditioning Mode

- A special mode which rejuvenates and cycles batteries. Applies a special initial charge, discharge and recharge cycle which restores battery performance (requires up to 14 hours to complete).
- Conditioning cycle can be used to rescue degraded batteries and exercise infrequently-used batteries.
- Recommended once every ten normal charges for NiMH batteries to ensure performance.

OPERATION

Rapid Charge Mode (Default)

1. Connect the power supply unit DIN connector to the charger as shown in the figure below.



Then, connect the supplied AC cord to a compatible outlet (100-240VAC, 50/60Hz) and the other end to the power supply unit.

TIP: When operating the charger outside of its intended region of use, simply obtain a power cord with a suitable plug type or use a plug-changer. Transformer is not necessary.

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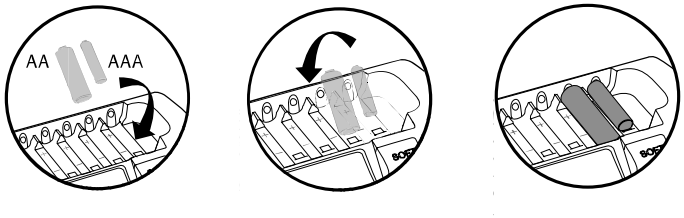
2. Insert AA and/or AAA batteries.

   For best performance, insert the batteries from the left to right.



   *NOTE: Ensure that the batteries are **pressed down all the way** to ensure optimal contact.*

   If a battery cannot be detected, make sure that the battery is inserted all the way and try changing the slot. If it still cannot be recognized, the battery may not be accepting a charge and may need to be replaced.

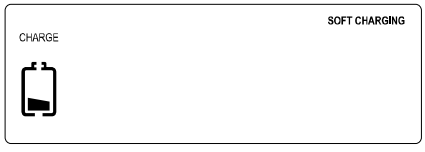
3. When the battery is correctly inserted, charging will commence for that slot. The charger is equipped with a four-level battery gauge which displays the charging progress.

<table>
<tr><td>CHARGE
 
Flashing</td><td colspan="3">Extremely low charge. Typically indicates abnormal or aged batteries. Conditioning is recommended.</td></tr>
<tr><td>CHARGE
 
Flashing</td><td>CHARGE
 
Flashing</td><td>CHARGE
 
Flashing</td><td>DONE
Solid or
Flashing</td></tr>
<tr><td>0-50% charge</td><td>50-80% charge</td><td>80-100% charge</td><td>Charging completed.</td></tr>
<tr><td>CHARGE
DONE
 
Flashing all together</td><td colspan="3">Battery fault</td></tr>
</table>

Soft Charging Mode

NOTE: Soft Charging is activated for all battery slots simultaneously and cannot be activated for each individual battery.

1. Remove all batteries from the charger, if any.
2. Insert **one** battery in the leftmost slot.
3. Within five seconds, press and hold the “SOFT” button until “Soft Charging” symbol is displayed on the LCD screen.

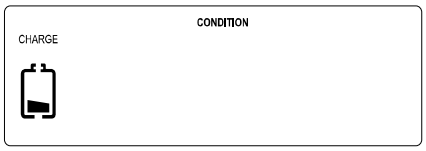


4. Insert the remaining batteries.
5. Soft Charging mode will remain activated as long as there are batteries in the charger (even if charging is completed). The charger will reset to Rapid Charge mode (Soft Charging symbols disappears) when all batteries are removed.

Conditioning Mode

NOTE: Conditioning is activated for all battery slots simultaneously and cannot be activated for each individual battery.

1. Remove all batteries from the charger, if any.
2. Insert **one** battery in the leftmost slot.
3. Within five seconds, press and hold the “CONDITION” button until ”Condition” symbol is displayed on the LCD screen.



   *TIP: If Conditioning and Soft Charging is desired simultaneously, insert the first battery, press the Soft Charging button first followed immediately by the Conditioning button. **THIS CAN TAKE UP TO 35 HOURS TO COMPLETE.***

4. Insert the remaining batteries.
5. The condition cycle will first apply an initial charge, discharge then recharge the batteries.

<table>
<tr><td>CHARGE CHARGE CHARGE
  </td><td>  </td><td>CHARGE CHARGE CHARGE
  </td><td>DONE</td></tr>
<tr><td>Initial Charging</td><td>Discharging</td><td>Standby for Recharging OR Recharging</td><td>Done</td></tr>
</table>

   It is normal for all symbols to disappear from one or more slots toward the end of discharge. This indicates that discharging is nearly completed and recharging will commence soon.

   During discharging, batteries that finish before others will show “CHARGE” symbols. However, actual charging will not commence until all batteries have finished discharging.

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