



MH-C204U

Travel Charger for 4 AA / AAA NiMH 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 battery cells other than NiMH & NiCd. AA /AAA batteries must be able to accept a 0.5A charge current.
- When charging batteries, do not mix 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 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 diagram 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 USB cord, always pull by connector rather than the cord.

FEATURES & SPECIFICATIONS

- Rapid charge 2 or 4 AA in about 4-5 hours and 2 or 4 AAA in about 2 hours.
- Utilize a micro-USB input.
- USB output feature that uses fully charged 4 AA or AAA batteries to generate a 5V/1A output via USB port.

Rapid Charge Current:	0.45A
Trickle Charge Current:	50mA
Charging Cell Configuration:	Two or Four AA / AAA NiMH
Microprocessor:	Two independent circuits, capable of charging batteries simultaneously. – dV termination method
Charge Time:	120 to 300 Minutes*
Input Voltage:	AC 100-240V 50-60Hz

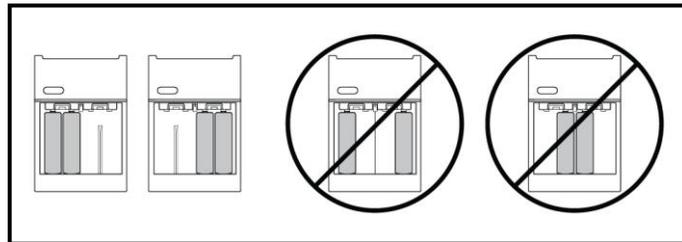
* Charge time will vary depending upon the brand, capacity, and condition of batteries being charged.

CHARGING BATTERIES

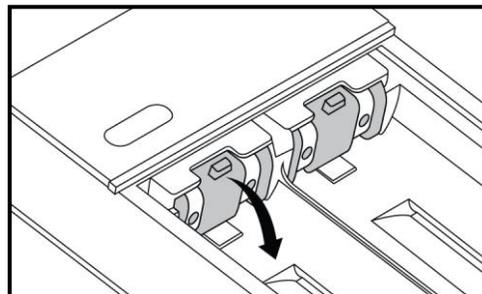
NOTE ON NEW BATTERIES CHARGING:

- It is highly recommended for brand new batteries to be charged and left in the charger **overnight** for the first charge to fully activate the batteries.
 - It is highly recommended to place batteries of the same charge/discharge state together to prevent uneven charging.
1. Keep cover open while charging to prevent batteries from overheating.
 2. Plug in the AC wall adapter in an outlet rated between 100-240V AC 50/60Hz. **Note: When operating the charger outside of its intended region of use, a plug changer may be required to properly connect to the outlet. Do not force AC cord to incompatible outlet receptacle.**
 3. Plug in the USB cable to the AC adapter and the micro-USB end to the charger.
 4. The two LEDs on the front of the charger should flash green-red three times. Now you are ready to charge batteries.

5. Insert the batteries in pairs either to the right or the left of the charger as shown in the figure below:



6. To charge AAA batteries, flip down the AAA charging receptacle as shown in the figure below:



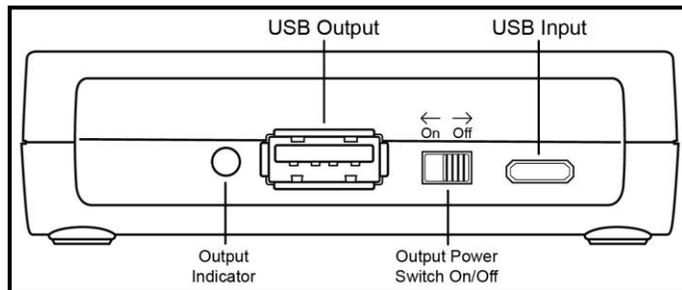
7. Battery charging is automatically initiated when the batteries are inserted. During charging, the batteries and charger will become hot.
8. Light Indicators:
 - Solid Red Light** - Proper battery detection.
 - Flashing Red Light** - Battery fault, such as shorted battery or alkaline battery.
 - Solid Green Light** - Charging is complete and the batteries are ready for use. Note: The two indicators may not turn green at the same time due to minor difference in battery status in each bank.
 - Three Flashing Green-Red Lights** - Ready to charge batteries.

USB Output Feature

- This charger has a USB 5V/1A output feature using the fully charged 4 AA/AAA batteries placed inside it.
- Works with most devices that accept a 5V/1A input.
- Output performance may vary depending on the condition of the batteries used. For best performance, use new and fresh batteries.

USING USB OUTPUT FEATURE:

1. Connect the appropriate connector for your device (not included).
2. Flip the Output Power Switch so the Output Indicator turns red. **Note: If the Output Indicator does not turn on, the batteries do not have enough power to charge your device.**
3. Flip the Output Power Switch off when you are done charging your device. **Note: If the Output Indicator turns off on its own, it's indicating the batteries no longer have enough power to produce an output.**



Warranty

Powerex chargers are warranted for one year from date of purchase, against defects in material and workmanship. Warranty does not cover, but not limited to, improper use, abuse, modification of product.

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