EBL EBL-6201

EBL Smart AA AAA NiMH Rechargeable Battery Charger

Model: EBL-6201

1. INTRODUCTION

Thank you for choosing the EBL Smart AA AAA NiMH Rechargeable Battery Charger. This charger is designed for efficient and safe charging of NiMH AA and AAA rechargeable batteries. Featuring advanced iQuick charging technology, individual charging channels, and multiple protection mechanisms, it provides a reliable solution for your power needs.

Image: The EBL Smart AA AAA NiMH Rechargeable Battery Charger, a compact black unit with four battery slots and LED indicators.

2. PRODUCT FEATURES

- **2 Hours Quick Battery Charger:** Advanced iQuick charging technology with DC 5V/2A USB input for rapid charging.

- **Individual AA AAA Battery Charger:** Four independent charging channels allow charging of 1/2/3/4 pieces Ni-MH AA or AAA rechargeable batteries simultaneously.

- **Auto-detect Function:** Detects bad or incompatible batteries, indicated by a red flashing light.

- **Smart LED Indicators:** Green flashing indicates charging, solid green indicates fully charged.

- **USB or Type C Charging Ways:** Supports both DC 5V 2A USB Input and DC 5V 2A Type C Input for versatile power connection.

- **Advanced MCU Control System:** Utilizes MCU control and -ΔV intelligent control for fast charging, ensuring constant current and constant voltage safety.

- **Multi-Protection:** Includes over-charge, over-current, over-heat, short-circuit, and over-voltage protection for enhanced safety.

Super Fast Battery Charger,Multi-Protection

Over-charge Protection	Over-current Protection	Over-heat Protection	Shot-circuit Ptotection	Over-voltage Protection

Image: Diagram illustrating the multi-protection features of the EBL charger, including over-charge, over-current, over-heat, short-circuit, and over-voltage protection.

3. PACKAGE CONTENTS

- 1 x EBL Smart AA AAA NiMH Rechargeable Battery Charger
- 1 x USB Charging Cable (Note: Power adapter not included)
- 1 x User Manual

4. SAFETY INSTRUCTIONS

- Only charge NiMH AA/AAA rechargeable batteries. Do not attempt to charge other types of batteries (e.g., Alkaline, Lithium-ion) as this may cause explosion, rupture, or leakage.
- Do not disassemble or modify the charger.
- Do not expose the charger to rain or moisture.
- Keep the charger away from heat sources and direct sunlight.

- Ensure proper ventilation during charging.
- Keep out of reach of children.
- Unplug the charger from the power source when not in use.

5. Setup

1. **Connect Power:** Connect the provided USB charging cable to the charger's USB-C or Micro USB input port.
2. **Power Source:** Plug the other end of the USB cable into a DC 5V/2A USB power adapter (not included), a computer USB port, or a power bank.

Image: Close-up view of the EBL charger showing both USB-C and Micro USB input ports, highlighting the dual charging options.

Note: Please use only one input (USB-C or Micro USB) when charging batteries.

6. Operating Instructions

1. **Insert Batteries:** Carefully insert 1 to 4 NiMH AA or AAA rechargeable batteries into the charging slots, ensuring correct polarity (+/-). The charger supports individual charging, so you do not need to insert batteries in pairs.

2. **Charging Process:** Once batteries are inserted and the charger is connected to power, the corresponding LED indicator for each slot will begin flashing green, indicating that charging is in progress.

3. **Completion:** When a battery is fully charged, its corresponding LED indicator will turn solid green.

4. **Remove Batteries:** Once charging is complete, remove the batteries from the charger.

Individual 2 Hours Battery Charger
Freely charge 1/2/3/4 Ni-MH AAA/AA rechargeable batteries individually

Image: The EBL charger with one AA battery inserted, demonstrating its individual charging capability.

LED Indicator Status:

- **Green Flashing:** Batteries are being charged.
- **Solid Green:** Batteries are fully charged.
- **Red Flashing:** Faulty or incompatible batteries detected. Remove the battery and check its type or condition.

Intelligent Auto-detection with Soft LED

Faulty/ Incompatible Batteries All Can be Detected.
Soft LED Light Will Protect Your Eyes from Light Pollution.

Flashing with Red Colour :
Auto-detected the batteries are faulty or incompatible.

Flashing with Green Colour :
Batteries being charged.

LED Stop Flashing :
Batteries charging completed!

Image: Visual guide to the EBL charger's LED indicators, showing red flashing for faulty batteries, green flashing for charging, and solid green for fully charged.

7. ESTIMATED CHARGING TIMES

The EBL charger utilizes iQuick technology for fast charging. Approximate charging times are as follows:

Battery Type & Capacity	Approximate Charging Time
4 x AAA 800mAh EBL cells	Up to 1.6 hours
4 x AA 2300mAh EBL cells	Up to 2 hours
4 x AAA 1100mAh EBL cells	Up to 2.5 hours
4 x AA 2800mAh EBL cells	Up to 3.5 hours

Image: Graphic illustrating the quick charging capabilities of the EBL charger for various AA and AAA battery capacities.

8. MAINTENANCE

- **Cleaning:** Disconnect the charger from power before cleaning. Use a soft, dry cloth to wipe the surface of the charger. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For optimal battery life, avoid over-discharging or over-charging batteries.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
LED flashes red continuously	Battery is faulty, incompatible, or inserted incorrectly.	Ensure battery is NiMH AA/AAA. Re-insert battery correctly. If issue persists, the battery may be damaged and needs replacement.

Problem	Possible Cause	Solution
No LED light when battery inserted	No power supply, loose connection, or charger malfunction.	Check if the USB cable is securely connected to both the charger and the power source. Try a different USB port or power adapter.
Batteries not fully charging	Low power input, old/worn-out batteries, or incorrect battery type.	Ensure power source provides DC 5V/2A. Replace old batteries. Confirm batteries are NiMH AA/AAA.

10. SPECIFICATIONS

Specification	Detail
Model Number	EBL-6201
Product Dimensions	4.48 x 3.8 x 1.4 inches
Item Weight	4.8 Ounces
Input	DC 5V/2A (USB-C or Micro USB)
Output Voltage	3 Volts
Compatible Batteries	NiMH AA, AAA
Certifications	FCC, UL
Manufacturer	EBL

11. WARRANTY AND SUPPORT

EBL products come with a standard warranty. For detailed warranty information, technical support, or customer service inquiries, please visit the official EBL website or contact their customer support team.

You can also find more information and support by visiting the EBL Store on Amazon.