

GP E821U

GP RECYKO E821 USB Charger Instruction Manual

Model: E821U / GPRCKCHE821389

1. INTRODUCTION

The GP RECYKO E821 USB Charger is a lightweight and portable charging solution designed for NiMH AA and AAA rechargeable batteries. It features eight slots, allowing simultaneous charging of up to eight batteries. This charger provides an environmentally friendly and cost-effective power supply solution for your devices.

2. SAFETY INFORMATION

Please read all safety instructions carefully before using the charger to ensure safe operation and prolong the life of your batteries and charger.

- **Overcharge Protection:** The charger is equipped with an automatic power-off timer (12 hours) and dV full charge detection to prevent overcharging.
- **Voltage Protection:** Features protection against overvoltage.
- **Short Circuit Protection:** Designed to prevent short circuits.
- **Temperature Interruption:** Includes temperature monitoring to prevent overheating.
- **Primary Battery Protection:** Detects and prevents charging of non-rechargeable (disposable) batteries.
- **Reverse Polarity Protection:** Ensures safe operation even if batteries are inserted incorrectly.
- Do not attempt to charge damaged or leaking batteries.
- Use only with NiMH rechargeable batteries.
- Keep the charger away from water and excessive heat.

3. PACKAGE CONTENTS

Lieferumfang



Image: Contents of the GP RECYKO E821 charger package.

The GP RECYKO E821 USB Charger package typically includes:

- 1 x GP RECYKO E821 8-slot USB Charger
- 4 x GP RECYKO AA NiMH Batteries (2100 mAh each)
- 4 x GP RECYKO AAA NiMH Batteries (850 mAh each)
- 1 x USB Charging Cable
- 1 x Instruction Manual

4. SETUP

The GP RECYKO E821 charger is designed for ease of use. Follow these steps for initial setup:

1. **Unpack:** Carefully remove all components from the packaging.
2. **Connect Power:** Connect the provided USB charging cable to the charger's USB input port.
3. **Power Source:** Plug the other end of the USB cable into a compatible USB power source (e.g., a USB

wall adapter, computer USB port, or power bank) with a minimum output of DC 5.0V / 1A. For optimal charging speed, a 2.0A output is recommended.

Kompakt und tragbar



Image: The compact and portable design of the GP RECYKO E821 charger.

5. OPERATING INSTRUCTIONS

5.1 Inserting Batteries

The charger supports both AA and AAA NiMH rechargeable batteries. It can charge 2, 4, 6, or 8 batteries simultaneously.

1. Ensure the charger is connected to a power source.
2. Insert AA or AAA NiMH rechargeable batteries into the charging slots, ensuring correct polarity (+ and - ends match the markings on the charger).



Image: The GP RECYKO E821 charger with a mix of AA and AAA batteries correctly inserted into its slots.

Lädt AA- und AAA-Akkus

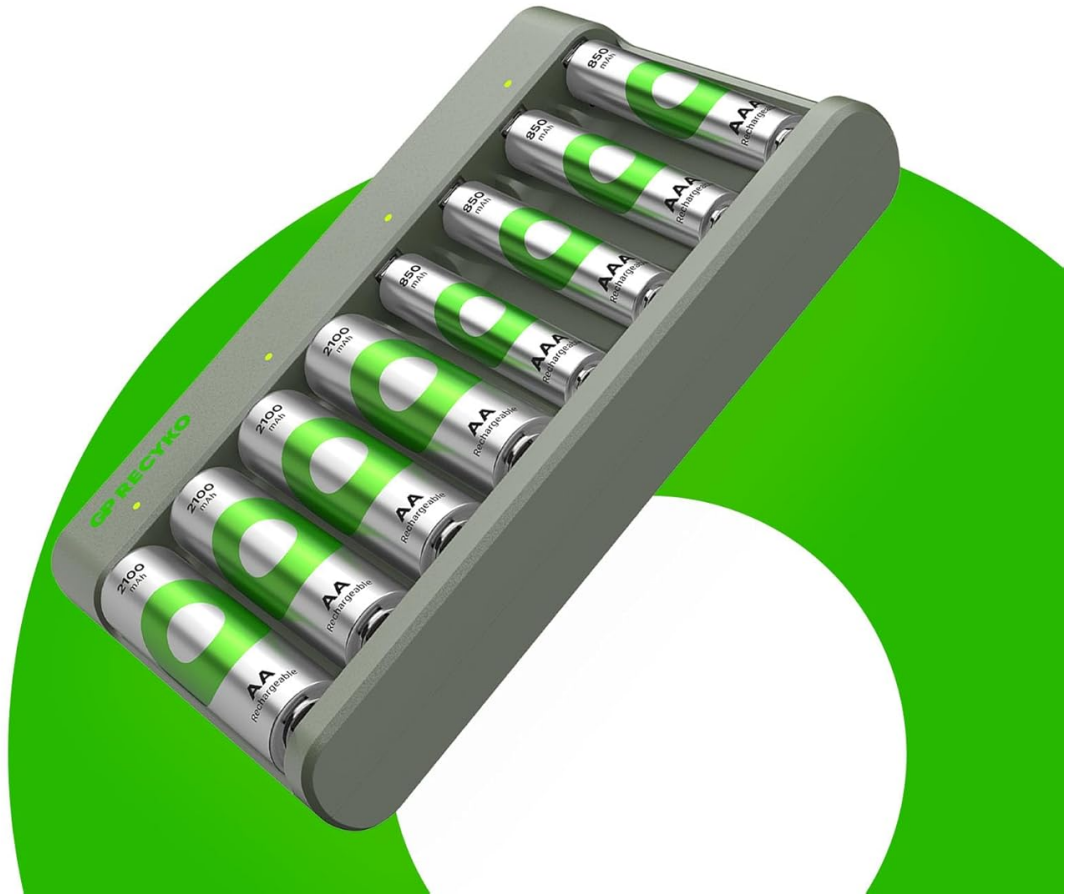


Image: Visual representation of the charger's compatibility with both AA and AAA battery sizes.

5.2 Charging Process

Once batteries are correctly inserted and the charger is connected to a USB power source, the charging process will begin automatically.

- The charging time for 2 batteries (using DC 5.0V / 2.0A min input) is approximately 360 minutes (6 hours) for 2100mAh AA batteries and approximately 150 minutes for 850mAh AAA batteries.
- The charger can handle batteries with different capacities (650 - 2600 mAh).

Schnellladen in 6 Stunden

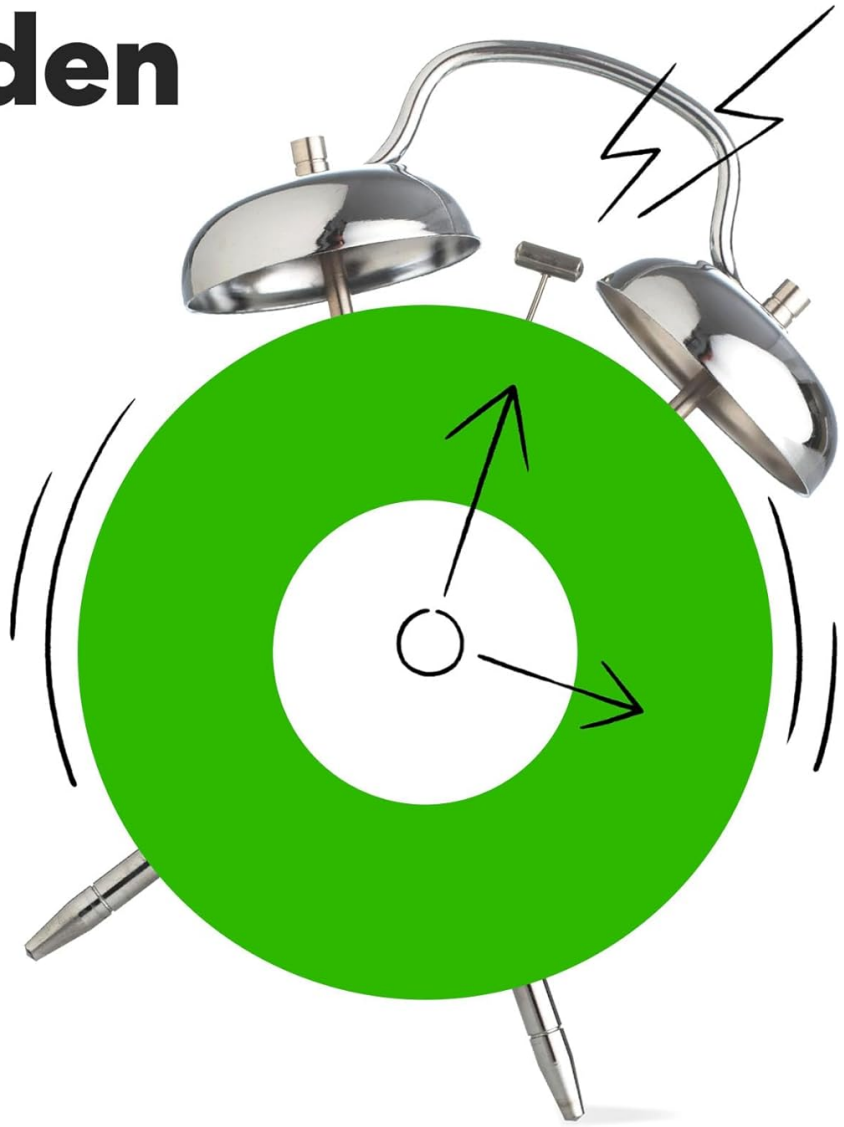


Image: Graphic illustrating the approximate 6-hour fast charging capability for AA batteries.

5.3 LED Indicators

The charger features 4 LED indicators to display the charging status for each pair of batteries:

- **Power On:** Green LED flashes for 0.5 seconds and then turns off.
- **Charging:** Green LED flashes slowly.
- **Fully Charged:** Green LED lights up solid.
- **Bad Batteries/Disposable Batteries Inserted:** Green LED flashes fast.

LED Ladestandsanzeige

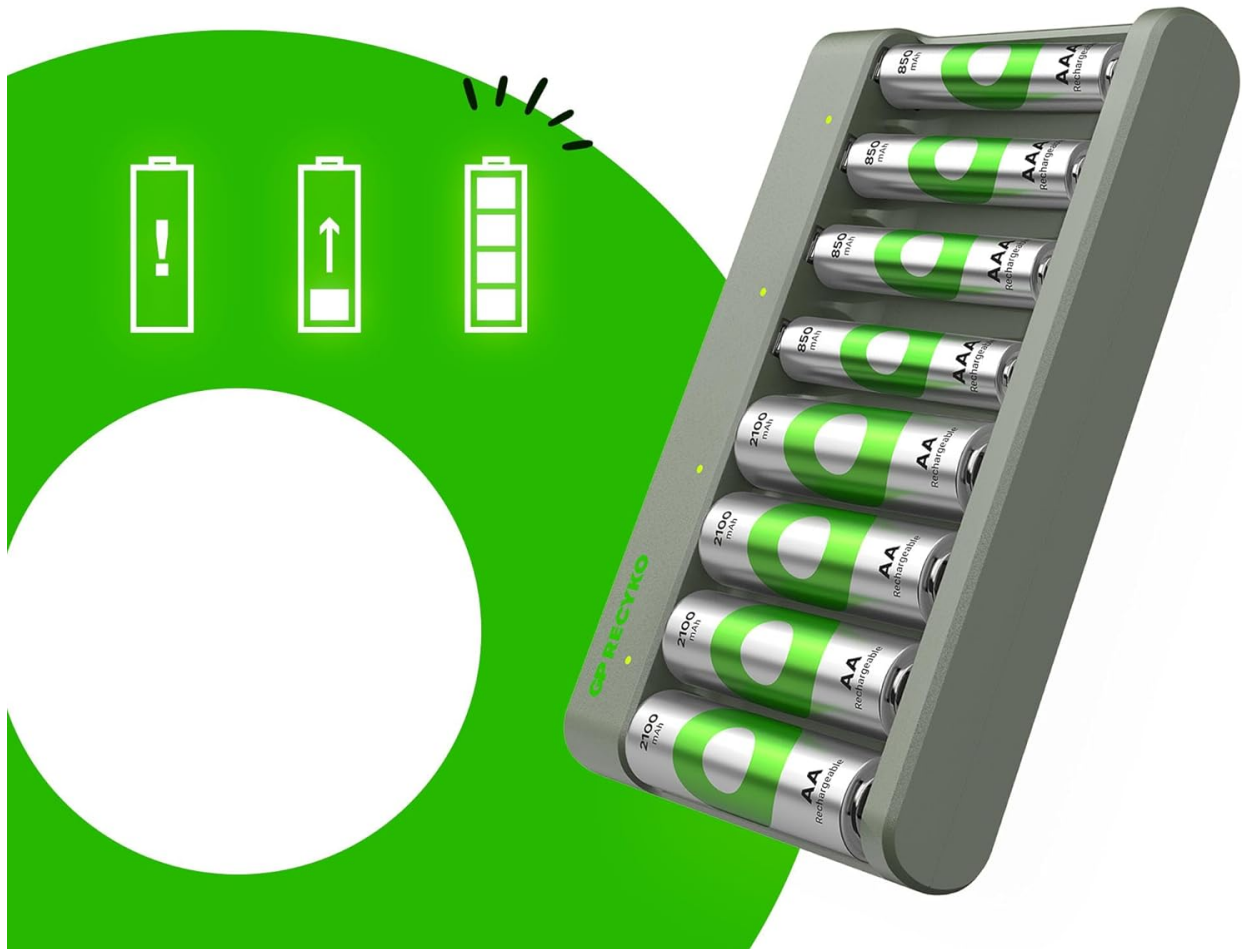


Image: Visual representation of the LED indicators and their corresponding charging statuses (empty, charging, full, error).

LED-Stromanzeige



Image: A close-up view of the LED power indicators on the charger, showing their illumination.

5.4 Battery Status Check

The E821 charger includes a