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> GRACETOP 4-Bay 18650 Battery Charger User Manual (Model GT-BAY4)

GRACETOP GT-BAY4

GRACETOP 4-Bay 18650 Battery Charger User Manual

Model: GT-BAY4

INTRODUCTION

Thank you for choosing the GRACETOP 4-Bay 18650 Battery Charger. This smart universal charger is designed for 3.7V rechargeable Li-ion batteries, offering four independent charging channels and multiple safety features. Please read this manual carefully before use to ensure proper operation and prolong the life of your charger and batteries.

SAFETY INFORMATION

To prevent personal injury or damage to the charger and batteries, please observe the following safety precautions:

- This charger is designed **ONLY for 3.7V Li-ion rechargeable batteries**. Do not attempt to charge AA, AAA, NiMH, or any other battery types.
- Do not charge batteries with 0V activation.
- Ensure correct battery polarity (+/-) when inserting batteries into the charging slots.
- Do not disassemble, modify, or short-circuit the charger.
- Avoid exposing the charger to water, high temperatures, or direct sunlight.
- Keep out of reach of children.
- Unplug the charger from the power source when not in use.
- If the charger emits smoke, unusual odors, or excessive heat, discontinue use immediately and unplug it.



**ONLY FOR LI-ION RECHARGEABLE BATTERY
NOT AA OR AAA BATTERY, NOT NIMH BATTERY**

Not for vaping devices



Not AA



Not AAA



Not NiMH Battery



Not 0V active



Support 3.7V lithium battery!



Image: Important safety warnings indicating that the charger is exclusively for 3.7V lithium-ion batteries and not compatible with AA, AAA, NiMH, or 0V activated batteries.

PRODUCT OVERVIEW

The GRACETOP 4-Bay Battery Charger features a compact design with four independent charging slots. It is equipped with a universal USB interface for flexible power input and includes multiple protection mechanisms to ensure safe and efficient charging.



Image: The GRACETOP 4-Bay 18650 Battery Charger shown with four Li-ion batteries inserted, connected via its integrated USB cable.

Key Features:

- **4 Independent Charging Bays:** Allows simultaneous charging of up to four batteries.
- **Universal USB Input:** Compatible with 5V USB power sources (e.g., wall adapters, power banks, car chargers, laptops).
- **LED Indicators:** Red light indicates charging, green light indicates a full charge.
- **Advanced Safety Protections:** Includes reverse polarity protection, short-circuit protection, overcharge protection, over-discharge protection, and over-current protection.
- **Wide Compatibility:** Supports various 3.7V Li-ion battery sizes.

BATTERY COMPATIBILITY

This charger is designed to be compatible with the following 3.7V Li-ion battery types:

- 18650
- 14500
- 16340 (RCR123)
- 10440
- 18350
- 18500
- 21700 (Note: Some 21700 batteries may be too long for the slots, verify fit before use.)

Important: This charger **DOES NOT** support 26650 battery size, 1.2V AA/AAA batteries, or NiMH batteries.

Fit for Different Types of Batteries

Not Support 26650 battery size!

Not Support 1.2V AA/AAA battery!

Not Support 0V Battery Activate!



Compatibility:

18650

14500

16340

3.7V lithium

battery and so on



Image: Visual representation of compatible Li-ion battery sizes (18650, 14500, 16340) and explicit warnings against using 26650, 1.2V AA/AAA, or 0V activated batteries.

SETUP

1. **Unpack the Charger:** Carefully remove the GRACETOP 4-Bay Battery Charger from its packaging.
2. **Connect to Power:** Plug the integrated USB cable of the charger into a compatible 5V USB power source. This can be a USB wall adapter (5V/2A recommended), a power bank, a car charger, or a computer USB port (5V/1A).



Image: The charger's USB cable connected to different power sources, including a car charger, wall adapter, power bank, and laptop, illustrating its versatile power input options.

3. **Power Indicator:** Once connected, the LED indicators on the charger will briefly light up, then turn green, indicating it is ready for use.

OPERATING INSTRUCTIONS

1. **Insert Batteries:** Carefully insert one or more compatible 3.7V Li-ion batteries into the charging slots. Ensure the positive (+) and negative (-) ends of the battery match the polarity markings in the charger slot. The spring-loaded negative terminal allows for various battery lengths.
2. **Charging Status:**
 - A **red light** indicates that the battery is currently charging.
 - A **green light** indicates that the battery is fully charged.
3. **Remove Batteries:** Once the LED indicator turns green, the battery is fully charged. Carefully remove the battery from the slot.
4. **Multiple Batteries:** You can charge one, two, three, or four batteries simultaneously. Each slot operates

independently.

Independent Charge Design

 Charging  Fully Charged



Overload protection



Overvoltage protection



Overcharge protection



Overcurrent protection

Image: The charger displaying its independent charging design with red (charging) and green (fully charged) indicators, alongside icons representing overload, overvoltage, overcharge, and overcurrent protection.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the charger. Do not use abrasive cleaners or solvents.
- **Storage:** Store the charger in a cool, dry place away from direct sunlight and moisture when not in use.
- **Inspection:** Periodically inspect the USB cable and charger for any signs of damage. If damage is found, discontinue use.

TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Charger not powering on / No LED lights	No power from USB source; Faulty USB cable/port; Charger malfunction.	Ensure the USB cable is securely plugged into a working 5V USB power source. Try a different USB port or power adapter. Check if the USB cable is damaged.
Battery not charging (LED remains green or off)	Incorrect battery type; Incorrect polarity; Battery already full; Faulty battery; Dirty contacts.	Verify the battery is a compatible 3.7V Li-ion type. Ensure the battery is inserted with correct polarity (+/-). The battery might already be fully charged (green light). Try charging a different battery to rule out a faulty battery. Clean battery and charger contacts with a dry cloth.
Charger or battery becomes excessively hot	Faulty battery; Overcurrent; Short circuit.	Immediately remove the battery and unplug the charger. Do not use the battery or charger if overheating persists. Contact customer support if the issue continues with multiple batteries.

SPECIFICATIONS

- **Model:** GT-BAY4
- **Input:** DC 5V 1-2A
- **Output:** DC 4.2V 1000mA (per slot)
- **Compatible Battery Types:** 3.7V Li-ion (10440, 14500, 16340, 18350, 18500, 18650, 21700 - verify fit for 21700)
- **Number of Bays:** 4 independent bays
- **Dimensions:** Approximately 12cm (Length) x 9cm (Width) x 3cm (Height) / 4.72" x 3.54" x 1.18"
- **Item Weight:** 4.2 ounces (0.26 Pounds)
- **Color:** Black
- **Manufacturer:** GRACETOP



Image: Front and back view of the GRACETOP 4-Bay charger, highlighting its dimensions (12cm length, 9cm width, 3cm height) and the label on the back with model number BH-042100-04U, input/output specifications.

WARRANTY AND SUPPORT

The product comes with a 100% satisfaction guarantee. If you have any questions or issues with your GRACETOP 4-Bay Battery Charger, please contact the seller directly via email. The seller aims to respond within 24 hours and will provide a full refund or send a new charger for replacement in case of quality issues.

For further assistance, please refer to the contact information provided with your purchase or visit the official GRACETOP store on Amazon: [GRACETOP Store](#).