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BCXY CS-MBE550BL

User Manual: BCXY Replacement Battery

Model: CS-MBE550BL

1. Introduction

This manual provides comprehensive instructions for the safe handling, installation, operation, and maintenance of the BCXY Replacement Battery, model CS-MBE550BL. This battery is designed as a compatible replacement for specific IMET devices. Please read this manual thoroughly before use to ensure optimal performance and safety.

2. Product Overview and Compatibility

The BCXY CS-MBE550BL is a Ni-MH replacement battery designed for various IMET remote control systems. It offers reliable power for your compatible devices.



Figure 2.1: Front view of the BCXY replacement battery, displaying its specifications and safety warnings on the label. The label indicates Model No.: CS-MBE550BL, Part No.: AS060, Rating: 3.6VDC, 2000mAh/7.20Wh, and identifies it as a Nickel Metal Hydride Battery Pack. It also includes caution statements regarding disassembly, replacement, crushing, puncturing, and storage temperature.

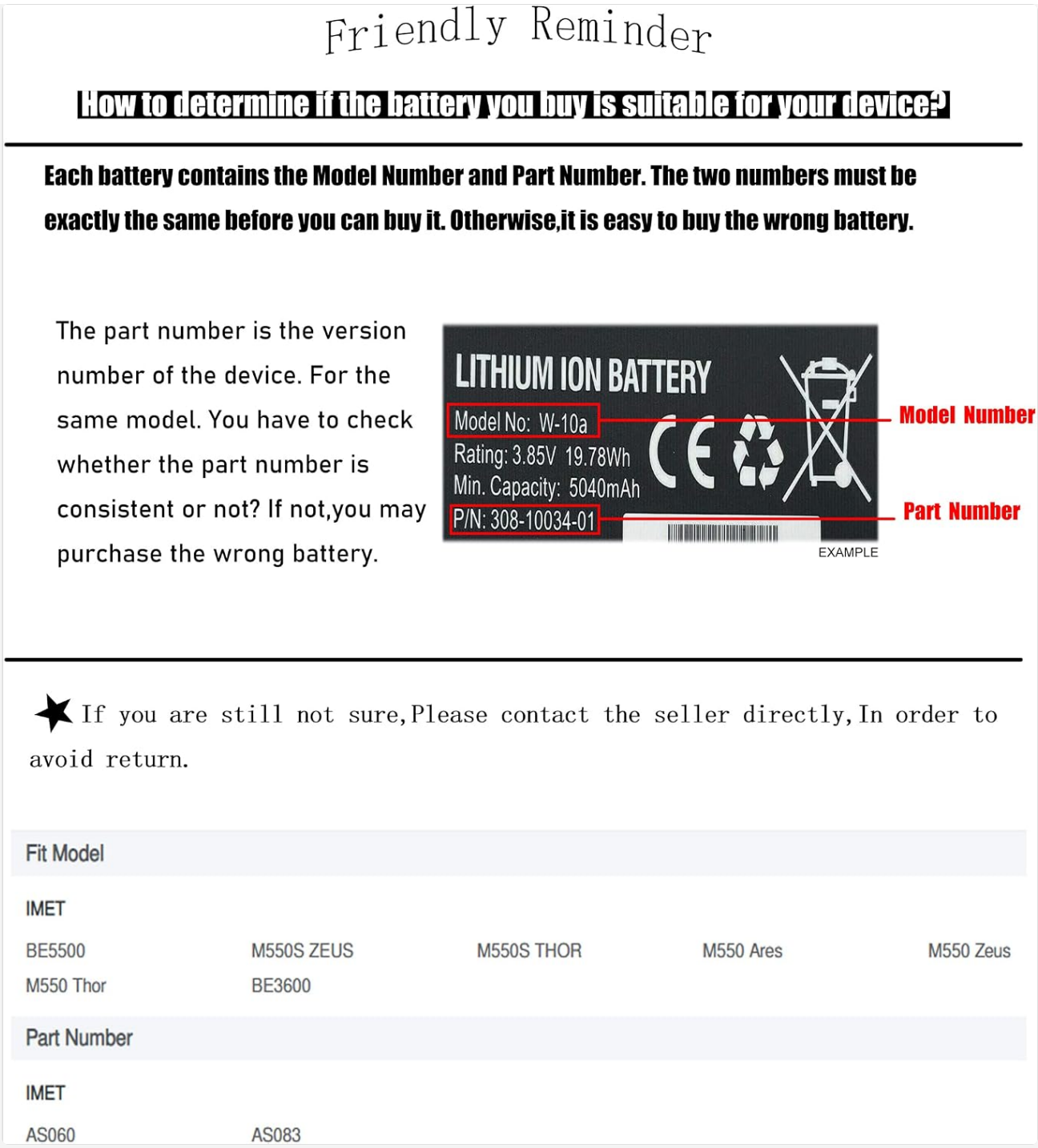


Figure 2.2: A diagram titled "Friendly Reminder" illustrating the importance of verifying both the Model Number and Part Number to ensure battery compatibility with your device. An example of a battery label highlights where to locate these numbers.

Compatible IMET Models:

- M550S THOR
- M550S ZEUS
- BE3600
- BE5500
- M550 Ares
- M550 Zeus
- M550 Thor
- ARES

Compatible Battery Part Numbers:

- AS083
- AS060
- 101015

Important: Always verify the model and part numbers of your existing battery and device against the compatibility list before installation to prevent damage or improper function.

3. Specifications

Feature	Specification
Model Number	CS-MBE550BL
Battery Type	Ni-MH (Nickel Metal Hydride)
Voltage	3.6V
Capacity	2000mAh
Dimensions (L x W x H)	53.20 x 53.10 x 20.50mm (2.09 x 0.81 x 2.09 inches)
Item Weight	4.2 ounces
Certifications	ISO9001, RoHS, CE

4. Setup and Installation

Before installing the new battery, ensure your device is powered off and disconnected from any power source. Refer to your device's original user manual for specific battery compartment access and removal procedures.

1. **Power Off Device:** Completely power down the IMET device.
2. **Locate Battery Compartment:** Identify and open the battery compartment on your device. This usually involves a latch or screws.
3. **Remove Old Battery:** Carefully remove the old battery. Note its orientation.
4. **Insert New Battery:** Insert the BCXY replacement battery into the compartment, ensuring correct polarity and alignment. It should fit snugly.
5. **Secure Compartment:** Close and secure the battery compartment cover.
6. **Initial Charge:** It is recommended to fully charge the new battery before its first use.



Figure 4.1: Angled view of the BCXY replacement battery, highlighting its physical form factor and the metallic contact points designed for device integration.

5. Operating Guidelines

This Ni-MH battery is designed for consistent performance. Follow these guidelines for optimal operation:

- **Charging:** Use only chargers specified for Ni-MH batteries and compatible with your IMET device. Avoid overcharging, as this can reduce battery life.
- **Discharging:** For best results, allow the battery to discharge significantly before recharging, but avoid complete deep discharge if possible, as this can also impact battery longevity.
- **Temperature:** Operate the battery within the recommended temperature range of your device. Extreme temperatures (hot or cold) can affect performance and lifespan.

6. Maintenance and Storage

Proper maintenance and storage can extend the life of your BCXY battery.

- **Cleaning:** Keep the battery contacts clean using a dry cloth or cotton swab. Avoid using liquids.
- **Storage:** If storing the battery for an extended period, store it in a cool, dry place, ideally at a partial charge (around 50%). Avoid storing fully charged or fully discharged.
- **Avoid Short Circuits:** Do not allow metal objects to come into contact with the battery terminals, as this can cause a short circuit and damage the battery.
- **Regular Use:** If possible, use and recharge the battery periodically even if not in regular use to maintain its health.



Figure 6.1: Top-down view of the BCXY replacement battery, illustrating its compact design and overall dimensions.

7. Safety Information and Warnings

Failure to follow these safety instructions may result in fire, electric shock, injury, or damage to the battery or device.

- **Do NOT Disassemble:** Do not attempt to disassemble, open, or service the battery pack.
- **Replacement:** Replace only with the battery pack designated for this product.
- **Physical Damage:** Do not crush, puncture, short external contacts, or dispose of in fire or water.
- **Temperature:** Do not store above 60°C (140°F).
- **Charging:** Use only the specified charger for Ni-MH batteries.
- **Disposal:** Dispose of used batteries according to local regulations. Do not dispose of with household waste.
- **Children:** Keep batteries out of reach of children.
- **Damage:** If the battery appears damaged, swollen, or leaking, discontinue use immediately and dispose of it safely.



Figure 7.1: Close-up of the battery label, clearly showing the "CAUTION" section with warnings against disassembly, improper replacement, physical damage, and high-temperature storage. It also displays ISO9001, RoHS, and CE certifications.

8. Troubleshooting

If you encounter issues with your BCXY replacement battery, consider the following common solutions:

- **Battery Not Charging:**
  - Ensure the charger is correctly connected to both the battery/device and the power outlet.
  - Verify that the charger is compatible with Ni-MH batteries and your device.
  - Check for any debris or corrosion on the battery contacts and clean them if necessary.
  - Confirm the battery is correctly seated in the device.
- **Short Operating Time:**
  - Ensure the battery has been fully charged.
  - The battery may require several charge/discharge cycles to reach full capacity.
  - Operating in extreme temperatures can reduce battery life.
  - If the battery is old, its capacity may have naturally degraded.
- **Device Not Powering On:**
  - Confirm the battery is fully charged and correctly installed.
  - Check if the device itself has any issues (refer to the device's manual).

If problems persist after attempting these steps, please contact customer support.

9. Warranty and Support

This BCXY replacement battery comes with a 1-year warranty from the date of purchase, as indicated on the product label (Figure 7.1). This warranty covers manufacturing defects under normal use.
For technical support, warranty claims, or further inquiries, please contact your retailer or the manufacturer. You may also find additional information on the manufacturer's website: www.cameronsino.com.
When contacting support, please have your battery model number (CS-MBE550BL) and purchase details ready.

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