

## Cameron Sino x-117

# Cameron Sino Replacement Battery Instruction Manual

For ICLEBO Robot Vacuums (Models: Free, Plus, Pro, Smart, YCR-M04-02-R, YCR-M02-1 Series)

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your Cameron Sino 2600mAh / 37.44Wh Li-ion replacement battery. Please read these instructions carefully before installation and operation to ensure optimal performance and safety.

### 1.1. Product Overview

The Cameron Sino replacement battery is a high-quality Li-ion power source designed to restore the runtime of your compatible ICLEBO robot vacuum cleaner. It features built-in protection mechanisms for enhanced safety and durability.

### 1.2. Compatibility

This battery is compatible with the following ICLEBO robot vacuum models:

- ICLEBO Free
- ICLEBO Plus
- ICLEBO Pro
- ICLEBO Robot Pro YCR-M04-02-R
- ICLEBO Smart
- ICLEBO Smart L4
- ICLEBO YCR-M04-02(R)
- ICLEBO YCR-M02-1
- ICLEBO YCR-M02-1(S)
- ICLEBO YCR-M04-02R

It replaces original battery part numbers: **YBR-B02-1** and **YCR-B01-3**.

## 2. SAFETY INFORMATION

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Your safety is paramount. Please adhere to the following safety guidelines:

- **Do not attempt to disassemble, open, or service the battery pack.**
- **Replace only with the battery pack designated for this product.** Using an incompatible battery may pose a risk of fire or explosion.
- **Do not crush, puncture, short external contacts, or dispose of in fire or water.**
- **Do not store above 60°C (140°F).** High temperatures can damage the battery and pose a fire hazard.
- **Do not use a third-party adapter charger to charge the device.** Always use the original or a certified compatible charger to prevent shortening battery life or causing damage.
- The battery features built-in multi-channel protection against overcharge, short circuit, high temperature, and surge. It also has a high-quality fireproof structure.
- All replacement batteries comply with FCC and RoHS certifications and standards, ensuring safety and quality.
- **Caution: Warranty void if the label is removed.**



Image 1: Top view of the battery, displaying critical specifications and safety warnings on its label.

### 3. SETUP AND INSTALLATION

Follow these steps to install your new Cameron Sino replacement battery:

1. **Verify Compatibility:** Before proceeding, carefully check your device model and the original battery

part number to confirm compatibility with this replacement battery.

2. **Power Off Device:** Ensure your ICLEBO robot vacuum is completely powered off and disconnected from its charging base or power adapter.
3. **Locate Battery Compartment:** Refer to your robot vacuum's original user manual to locate and open the battery compartment. This is typically on the underside of the device.
4. **Remove Old Battery:** Carefully disconnect the old battery's connector from the device's port and remove the battery.
5. **Insert New Battery:** Place the new Cameron Sino battery into the compartment. The battery is designed for a precise fit.
6. **Connect Battery:** Confirm that the battery's plug is correctly and securely connected to the equipment's port.
7. **Close Compartment:** Securely close the battery compartment cover.
8. **Initial Charge:** It is recommended to fully charge the new battery before its first use.



Image 2: Side view of the battery, illustrating its form factor for proper installation.

## 4. OPERATING INSTRUCTIONS

### 4.1. Charging

- Always use the original charging base or power adapter provided with your ICLEBO robot vacuum.

- Avoid using third-party chargers, as they may not be compatible and could shorten the battery's lifespan or cause damage.
- The battery technology offers extended run time with no memory effect, meaning you can charge it at any time without significantly impacting its capacity.

## 4.2. Usage

Once installed and charged, operate your robot vacuum according to its original manufacturer's instructions. The Cameron Sino battery is designed to provide reliable power for your cleaning cycles.

## 5. MAINTENANCE

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Proper maintenance can extend the life of your battery:

- **Temperature Control:** Avoid exposing the battery to extreme temperatures. Do not store or operate the device in environments above 60°C (140°F) or in freezing conditions.
- **Storage:** If the robot vacuum will not be used for an extended period, store it in a cool, dry place with the battery partially charged (around 50%). Avoid storing a fully depleted or fully charged battery for long durations.
- **Cleaning:** Keep the battery contacts clean and free from dust or debris.

## 6. TROUBLESHOOTING

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

- **Battery Not Charging:** Ensure the battery is correctly installed and its connector is firmly seated. Verify that the charging base or power adapter is functioning correctly and connected to a power source.
- **Shortened Run Time:** Confirm that the battery is fully charged. Over time, all batteries experience degradation; if the run time is significantly shorter than expected after a full charge, the battery may be nearing the end of its lifespan.
- **Device Not Powering On:** Check that the battery is properly installed and has sufficient charge. If the issue persists, consult your robot vacuum's original manual for device-specific troubleshooting.

For persistent issues, please refer to the Warranty and Support section.

## 7. SPECIFICATIONS

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Feature	Specification
Model Number (Battery)	CS-PHC910VX
Part Number (Battery)	CRP777
Voltage	14.4 VDC
Capacity	2600 mAh / 37.44 Wh
Product Type	Li-ion
Weight	258.0 g

Dimensions (L x W x H)	107.50 x 72.30 x 44.80 mm
Limited Charge Voltage	16.6V ± 0.05V
Standard	GB 31241-2014
Manufacturer	ShenZhen HENZENS Technology Co., Limited



Image 3: Detailed view of the battery label, highlighting technical specifications.

## 8. WARRANTY AND SUPPORT

Cameron Sino is committed to product quality and customer satisfaction.

- **Refund Policy:** We provide a 30-day refund policy from the date of purchase.
- **Customer Service:** We offer a 24-hour response service for any inquiries.

If you have any questions or concerns regarding your Cameron Sino replacement battery, please do not hesitate to contact the seller directly through the platform where you made your purchase. Please have your order details ready for faster assistance.