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Cameron Sino VS-SH2000-C00

Cameron Sino Replacement Battery for Vivint Smart Hub Control Panel VS-SH2000-C00 Instruction Manual

1. INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Cameron Sino replacement battery for the Vivint Smart Hub Control Panel. Please read this manual thoroughly before installation and operation to ensure proper function and longevity of the battery.

2. IMPORTANT SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the battery, device, or personal injury. Failure to follow these instructions may void the warranty and create hazardous conditions.

- **CAUTION: WARRANTY VOID IF LABEL IS REMOVED.**
- DO NOT attempt to disassemble, open, or service the battery pack.
- REPLACE ONLY with the battery pack designated for this product.
- DO NOT crush, puncture, short external contacts, or dispose of in fire or water.
- DO NOT store above 60°C (140°F).
- NEW BATTERY PACK MUST BE FULLY CHARGED BEFORE USE.
- TO REDUCE RISK OF FIRE OR BURNS, READ INSTRUCTIONS IN OPERATING GUIDE BEFORE USING THE BATTERY.



Image 1: The battery label displaying model number, part numbers, rating, and critical safety warnings. This label must remain intact for warranty purposes and safe operation.

3. PRODUCT SPECIFICATIONS

The Cameron Sino replacement battery is designed to meet the power requirements of your Vivint Smart Hub Control Panel.

Specification	Detail
Model No.	CS-VSH200BT
Part No.	12047088-00, 10-600013-001
Compatibility	Vivint Smart Hub Control Panel, VS-SH2000-C00
Voltage	3.8VDC
Capacity	5100mAh / 19.38Wh
Product Type	Lithium-Polymer (Li-ion)
Weight	121g (approximately 4.27 oz)
Dimensions	96.80 x 44.70 x 8.70mm (approximately 3.81 x 1.76 x 0.34 inches)

Model No.: **CS-VSH200BT**

Part No : 12047088-00, 10-600013-001

Rating : 3.8VDC = **5100mAh / 19.38Wh**

Lithium-Polymer Battery Pack



CAUTION | WARRANTY VOID IF LABEL IS REMOVED



- DO NOT ATTEMPT TO DISASSEMBLE, OPEN OR SERVICE THE BATTERY PACK.
- REPLACE ONLY WITH THE BATTERY PACK DESIGNATED FOR THIS PRODUCT.
- DO NOT CRUSH, PUNCTURE, SHORT EXTERNAL CONTACTS OR DISPOSE OF IN FIRE OR WATER.

• DO NOT STORE ABOVE 60°C (140°F). Limited Charge Voltage: 4.35V±0.05V Standard: GB 31241-2014
Manufacture by : ShenZhen HENZENS Technology Co., Limited

ATTENTION!

NEW BATTERY PACK MUST BE FULLY CHARGED BEFORE USE.

TO REDUCE RISK OF FIRE OR BURNS

READ INSTRUCTIONS IN OPERATING GUIDE BEFORE USING THE BATTERY.



Image 2: The Cameron Sino replacement battery, showing its compact design and general appearance.

4. INSTALLATION GUIDE

This battery is intended as a direct replacement for the original battery in your Vivint Smart Hub Control Panel.

Ensure the control panel is powered off and disconnected from any power source before proceeding with installation.

1. **Power Off:** Completely power down your Vivint Smart Hub Control Panel and unplug it from the wall outlet.
2. **Access Battery Compartment:** Locate and open the battery compartment on your control panel. Refer to your Vivint Smart Hub Control Panel's original manual for specific instructions on accessing the battery.
3. **Remove Old Battery:** Carefully disconnect the old battery from its connector and remove it from the compartment.
4. **Insert New Battery:** Align the Cameron Sino replacement battery with the compartment. Ensure the connector is properly oriented before plugging it in. The battery is designed to fit perfectly.
5. **Secure Battery:** Gently place the battery into the compartment. Some models may have a specific insertion direction, as indicated on the battery itself.
6. **Close Compartment:** Close the battery compartment securely.
7. **Power On:** Reconnect the control panel to its power source and power it on.



Image 3: An angled view of the battery, highlighting the 'Insert this direction' marking, which guides correct placement during installation.

5. INITIAL CHARGING AND OPERATION

For optimal performance and battery longevity, follow these initial charging instructions:

- The battery is not fully charged at the factory and may show a 'false charge' initially.
- When using a new battery for the first time, it should be used until depleted before its first full charge.
- Initial charging should be approximately 3-8 hours.
- After 2-3 cycles of charging and discharging, the battery cells will be fully activated, leading to optimal performance.
- The new battery may initially have unstable power or durability due to incomplete activation. This is normal. After activation, each charge will typically last for 4-6 hours of operation (depending on device usage).
- Do not use a third-party adapter charger to charge the device, as this may shorten battery life.

Need to know before buying

note:

- 1. The battery is not fully charged at the factory, and there is usually a false charge**
- 2. When using a new battery for the first time, it should be used up before charging, which is beneficial for battery life**
- 3. 6-8 hours of initial charging is appropriate, and after 2-3 cycles of charging and discharging, the battery cells are fully activated**
- 4. The new battery has just been used, but due to the incomplete activation of the battery cells, unstable power and durability of the battery are normal phenomena. In the future, each charge will only last for 46 hours**

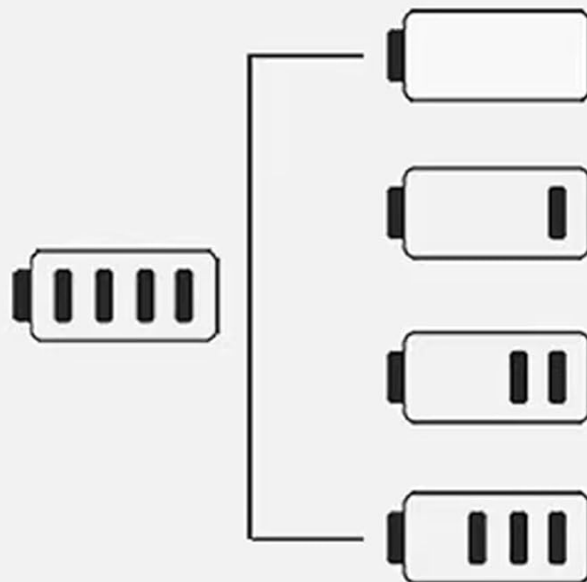


Image 4: A visual guide explaining the 'Need to know before buying' points, focusing on initial charging and battery cell activation for new batteries.

6. BATTERY PROTECTION FEATURES

The Cameron Sino replacement battery incorporates multiple safety features to ensure reliable and safe operation:

- **Temperature Protection:** Prevents overheating during charge and discharge cycles.
- **Circuit Protection:** Safeguards against electrical faults.
- **Reset Protection:** Allows the battery to recover from certain fault conditions.
- **Input Overvoltage Protection:** Protects against excessive input voltage.
- **Input Anti-Backlash Protection:** Prevents reverse current flow.
- **Output Overcurrent Protection:** Guards against excessive current draw.
- **Output Overvoltage Protection:** Protects connected devices from high output voltage.
- **Hardware Overcurrent Protection:** Additional hardware-level current limiting.

- **Battery Overcharge Protection:** Prevents damage from prolonged charging.

These protections comply with FCC and RoHS certifications, ensuring a safer product.

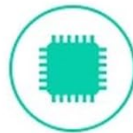
High quality circuit chips



Temperature protection Circuit protection Reste protection



Input Overvoltage Protection Input anti backlash protection Output overcurrent protection



Output overvoltage protection Hardware overcurrent protection Battery overcharge protection

Image 5: Icons visually representing the comprehensive circuit protection features integrated into the battery, including temperature, overvoltage, and overcurrent safeguards.

Safe charging without overheating

The internal double layer ion circulation of the battery increases the circulation area, ensuring safe charging without overheating

Double layer ion layer

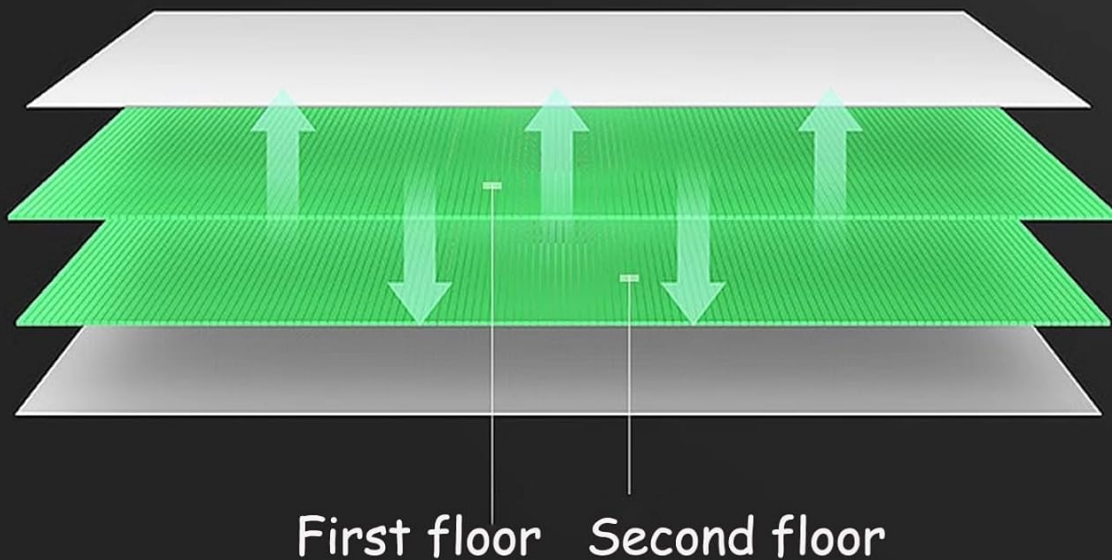


Image 6: A diagram illustrating the internal double-layer ion circulation design, which enhances the circulation area to ensure safe charging without overheating.

7. MAINTENANCE AND STORAGE

Proper maintenance and storage can extend the life of your battery:

- Avoid extreme temperatures. Do not store the battery above 60°C (140°F) or in excessively cold conditions.
- If storing the battery for an extended period, ensure it is partially charged (around 50%) and stored in a cool, dry place.
- Avoid fully discharging the battery frequently, as this can reduce its overall lifespan.
- Keep the battery contacts clean and free from dust or debris.

8. TROUBLESHOOTING

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

- **Battery Not Working After Installation:**

- Ensure the battery is correctly installed and the connector is firmly seated.
- Verify that the Vivint Smart Hub Control Panel is compatible with the specified battery models (VS-SH2000-C00, 12047088-00, 10-600013-001).
- Confirm the control panel is receiving external power if the battery is completely depleted.

- **Short Battery Life:**

- Ensure the initial charging and activation cycles (2-3 full charge/discharge cycles) have been completed.
- Avoid using non-recommended chargers, which can degrade battery performance.
- Check for excessive power consumption by the control panel or connected devices.

- **Battery Not Charging:**

- Verify the control panel's power adapter is functioning correctly and connected.
- Ensure the battery is properly connected inside the compartment.

If problems persist, please refer to the Warranty and Support section for assistance.

9. WARRANTY AND SUPPORT

Cameron Sino provides a product guarantee for this replacement battery:

- **Refund Policy:** 30 days refund available.
- **Customer Service:** 24-hour response service for inquiries.

For any questions or concerns regarding your Cameron Sino replacement battery, please contact customer support through your purchase platform. Ensure you have your order details available for faster service.