

TrustCell CS-DEK850BU

TrustCell Replacement Battery User Manual

Model: CS-DEK850BU

PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of the TrustCell Replacement Battery, model CS-DEK850BU. This Li-ion battery is designed as a direct replacement for DELL Calypso I/O Controller Card DG and Controller Card DGK85, with part number 078-000-136-04. It features a capacity of 2500mAh and a voltage of 3.7V, providing 9.25Wh of power.



Figure 1: Top view of the TrustCell Replacement Battery, showing the model number, part number, rating, and caution labels. The Cameron

SETUP AND INSTALLATION

Before installing the new battery, ensure that your device is powered off and disconnected from any power sources. This battery is intended for specific DELL Calypso I/O Controller Card DG and Controller Card DGK85 models. Verify compatibility by checking your device's model number and the part number of your original battery against the specifications provided in this manual.

Installation Steps:

1. **Power Off Device:** Completely shut down and unplug the DELL Calypso I/O Controller Card or the device it is installed in.
2. **Locate Old Battery:** Identify the existing battery within your device. Refer to your device's specific service manual for exact location and removal procedures.
3. **Remove Old Battery:** Carefully disconnect the old battery's connector and remove it from its compartment.
4. **Insert New Battery:** Place the TrustCell replacement battery into the designated compartment.
5. **Connect Securely:** Ensure the battery connector is properly and firmly connected to your device's port. A loose connection can prevent the battery from functioning correctly.
6. **Secure Compartment:** Close and secure the battery compartment according to your device's design.
7. **Initial Charge:** After installation, fully charge the new battery before its first use.

Important Note: A new battery will achieve its best performance after 2 or 3 complete charge and discharge cycles. This process helps calibrate the battery and optimize its capacity.



Figure 2: Angled view of the TrustCell Replacement Battery, providing a glimpse of its internal components and the connection interface.

OPERATING INSTRUCTIONS

Once installed, the TrustCell battery operates as the primary power source for your compatible DELL controller card. It is designed to provide reliable power and features built-in protections for safe operation.

Charging Guidelines:

- Always use the original or a high-quality, compatible charger provided with your DELL device.
- Avoid using low-quality third-party adapter chargers, as they can shorten the battery's lifespan and potentially damage the device.
- Charge the battery in a well-ventilated area, away from direct sunlight or extreme temperatures.
- It is recommended to perform 2-3 full charge and discharge cycles upon initial use to optimize battery performance.

MAINTENANCE AND SAFETY PRECAUTIONS

Proper maintenance and adherence to safety guidelines are crucial for extending the lifespan of your battery and ensuring safe operation.

General Care:

- Store the battery in a cool, dry place when not in use for extended periods.
- Avoid exposing the battery to extreme temperatures, both hot and cold.
- Keep the battery contacts clean and free from dust or debris.

Safety Cautions:

- **DO NOT** attempt to disassemble, open, or service the battery pack.
- **REPLACE ONLY** with the battery pack designated for this product (Part No: 078-000-136-04, Model No: CS-DEK850BU).
- **DO NOT** crush, puncture, short external contacts, or dispose of in fire or water.
- **DO NOT** store above 60 °C (140 °F).
- Dispose of used batteries responsibly according to local regulations.



Figure 3: Top view of the battery clearly displaying safety warnings and specifications. This includes instructions not to disassemble, crush, or expose to high temperatures or water.

TROUBLESHOOTING

If you encounter issues with your TrustCell replacement battery, consider the following common troubleshooting steps:

- **Battery Not Charging:**

- Ensure the battery is correctly seated and its connector is firmly attached to the device.
- Verify that the charger and power adapter are functioning correctly and are compatible with your device.
- Check for any visible damage to the battery or charging port.

- **Short Battery Life:**

- Ensure you have completed 2-3 full charge/discharge cycles to optimize battery performance.
- Avoid using low-quality third-party chargers.
- Check if your device's power settings are optimized for battery life.
- High ambient temperatures can affect battery performance; ensure the device is operating in a suitable environment.

- **Device Not Powering On:**

- Confirm the battery is fully charged.
- Re-install the battery to ensure proper connection.
- If possible, test the device with another known-good battery or power source to isolate the issue.

If problems persist after attempting these steps, please refer to the "Warranty and Support" section for further assistance.

SPECIFICATIONS

Detailed technical specifications for the TrustCell Replacement Battery (CS-DEK850BU):

Attribute	Value
Brand	TrustCell
Model Number	CS-DEK850BU
Part Number (Adaptation)	078-000-136-04
Battery Type	Li-ion (Lithium Ion)
Capacity	2500mAh
Voltage	3.7V
Energy Rate	9.25Wh
Dimensions (L x W x H)	79.30 x 36.40 x 18.50 mm (3.12 x 1.43 x 0.73 inches)
Gross Weight	127g
Certifications	ISO9001, RoHS, CE, UN38.3, MSDS



Figure 4: Side view of the battery, revealing the internal cylindrical cell and part of the circuit board.



Figure 5: Another side view of the battery, providing a different perspective of the internal cell and casing structure.

WARRANTY AND SUPPORT

TrustCell stands behind the quality of its products. This replacement battery comes with comprehensive warranty and support services.

Warranty Information:

- The TrustCell Replacement Battery is covered by a **1-year refund or replacement warranty** from the date of purchase.
- This warranty covers manufacturing defects and performance issues under normal use.
- Damage resulting from misuse, unauthorized disassembly, or failure to follow safety precautions is not covered.

Customer Support:

For any questions, concerns, or assistance with your TrustCell battery, please do not hesitate to contact our customer service team. We offer prompt after-sales service, typically responding within 24 hours.

Contact Method: Please contact us via email through the platform where you purchased the product, or refer to the contact information provided by your seller.

You may also find additional information and support on the manufacturer's website: www.cameronsino.com

