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› [RDSJ CS03XL Laptop Battery Instruction Manual for HP Elitebook and ZBook Series](#)

RDSJ CS03XL

RDSJ CS03XL Laptop Battery Instruction Manual

Model: CS03XL

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and effective use of your RDSJ CS03XL laptop battery. The CS03XL is a Li-ion battery designed for specific HP laptop models, offering a voltage of 11.4V and a capacity of 46Wh.



CS03XL

Model: **CS03XL**

Type: **Li-ion**

Voltage: **11.4V**

Capacity: **46Wh/4035mAh**



7x24 hours	30 days	365 days
online customer service	exchange	warranty

Image 1.1: Overview of the CS03XL battery, detailing its model number, Li-ion type, 11.4V voltage, and 46Wh/4035mAh capacity. This image also indicates 7x24 hours online customer service, 30 days exchange, and 365 days warranty.

2. COMPATIBILITY

The CS03XL battery is compatible with a range of HP laptop models and can replace several part numbers. Please verify your laptop model and existing battery part number before installation to ensure compatibility.

2.1 Compatible Machine Models

- HP Elitebook 745 G3, G4 Series
- HP Elitebook 755 G3, G4 Series
- HP Elitebook 840 G3, G4 Series
- HP Elitebook 850 G3, G4 Series

- HP ZBook 15u G3, G4 Mobile Workstation Series
- HP mt42 Mobile Thin Client Series
- HP mt43 Mobile Thin Client Series

2.2 Compatible Part Numbers

- CS03, CSO3, CS03XL, CSO3XL
- HSTNN-I33C-4, HSTNN-I33C-5
- HSTNN-I41C-4, HSTNN-I41C-5
- HSTNN-IB6Y, HSTNN-UB6S
- 3ICP6/65/79
- 800231-141, 800513-001, 800231-1C1, T7B32AA, CS03046XL



CS03XL

COMPATIBLE MODELS:

HP EliteBook 745 G3 Series
 HP EliteBook 745 G4 Series
 HP EliteBook 755 G3 Series
 HP EliteBook 755 G4 Series
 HP EliteBook 840 G3 Series
 HP EliteBook 840 G3 Series
 HP EliteBook 850 G3 Series
 HP EliteBook 850 G4 Series
 HP ZBook 15u G3 Mobile Workstation
 HP ZBook 15u G4 Mobile Workstation
 HP mt42 Mobile Thin Client
 HP mt43 Mobile Thin Client



REPLACE PART NUMBERS:

CS03 CSO3 CS03XL CSO3XL HSTNN-I33C-4
 HSTNN-I33C-5 HSTNN-I41C-4
 HSTNN-I41C-5 HSTNN-IB6Y HSTNN-UB6S
 3ICP6/65/79 800231-1C1 T7B32AA
 800231-141 800513-001 CS03046XL

Image 2.1: Visual representation of compatible HP laptop models and a list of corresponding replacement part numbers for the CS03XL battery. A laptop is shown with its screen open, and a separate image of the battery is included.

3. SETUP AND INSTALLATION

Proper installation is crucial for the battery's performance and safety. Always ensure your laptop is powered off and disconnected from any power source before beginning installation.

1. **Power Off and Disconnect:** Shut down your laptop completely and unplug the AC adapter.
2. **Access Battery Compartment:** Depending on your HP model, you may need to remove the back panel of your laptop. Refer to your laptop's specific service manual for detailed instructions on accessing the battery.
3. **Remove Old Battery:** Carefully disconnect the old battery's connector from the motherboard. If your laptop uses screws to secure the battery, remove them. Some models may feature a pull tab or snap system for removal.
4. **Install New Battery:** Align the CS03XL battery with the battery compartment. Connect the battery cable to the motherboard. Secure the battery in place using any screws or the snap system as appropriate for your laptop model. The battery features a gold-plated connector for reliable current transfer and a screw clip for secure fitting. A mini Philips screwdriver may be included to assist with installation.
5. **Reassemble Laptop:** Reattach the back panel and any other components removed during the process.
6. **Initial Charge Cycle:** For the first use, discharge the battery to approximately 5% (do not let it drain to 0%) and then charge it fully to 95%. Repeat this discharge-charge cycle 3-4 times to calibrate the battery.



CS03XL

BATTERY DETAILS



CONNECTOR

Gold-plated connector points to ensure current transport excellently and serve stably.



ABS+PC

Battery is made of state-of-the-art materials and circuit boards to ensure its performance and durability.



SCREW CLIP

Special heat-resistant materials.

Image 3.1: Close-up details of the CS03XL battery, highlighting its gold-plated connector for efficient current transfer, the durable ABS+PC material used for its casing, and the special heat-resistant screw clip for secure installation.

4. OPERATING INSTRUCTIONS

To maximize the performance and lifespan of your CS03XL battery, follow these operating guidelines:

- **Regular Use:** Use your laptop on battery power regularly to keep the battery cells active.
- **Avoid Constant Charging:** While modern batteries have protection circuits, prolonged periods of 100% charge can slightly reduce overall lifespan. Occasionally allow the battery to discharge before recharging.
- **Optimal Temperature:** Operate your laptop in a moderate temperature environment. Extreme heat or cold can negatively impact battery performance and longevity.
- **Software Updates:** Keep your laptop's operating system and drivers updated, as power management

improvements can optimize battery usage.

5. MAINTENANCE

Proper maintenance helps ensure the longevity and reliability of your battery.

- **Battery Calibration:** Perform a full discharge (to 5%) and full charge (to 95%) cycle every few months to recalibrate the battery's charge indicator.
- **Storage:** If storing the battery for an extended period, ensure it is charged to about 50-70% and stored in a cool, dry place. Avoid storing a fully charged or completely depleted battery.
- **Cleaning:** Keep the battery contacts clean and free of dust or debris.
- **Recharge Cycles:** The battery is designed for up to 500 recharge cycles. The actual operational time will vary based on device power requirements and usage patterns.



CS03XL

THE BATTERY CELL DETERMINES THE QUALITY OF THE BATTERY



1. Longer discharge time
2. Lower power consumption
3. Charges quickly
4. More than 500 times recycle

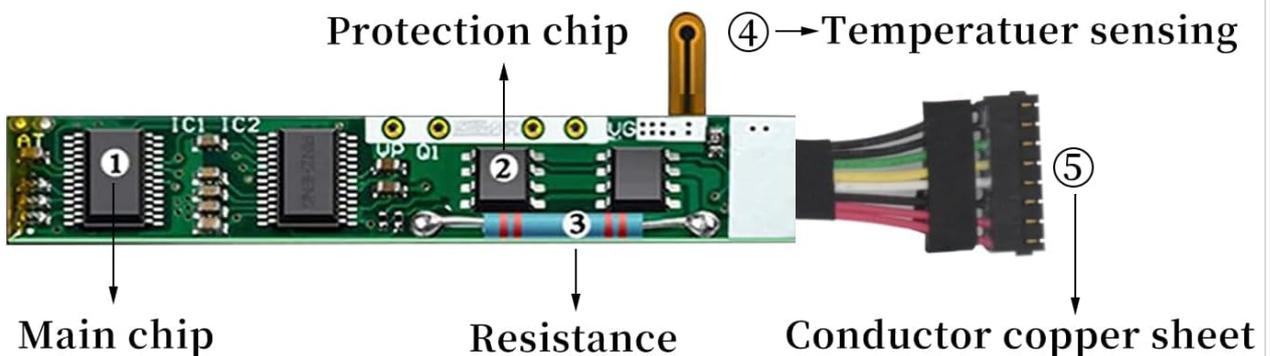


Image 5.1: Illustration of the internal battery cell structure, emphasizing features like longer discharge time, lower power

consumption, quick charging, and over 500 recycle times. Below, a diagram shows the protection chip, main chip, resistance, temperature sensing, and conductor copper sheet, which contribute to battery quality and safety.

6. TROUBLESHOOTING

If you encounter issues with your CS03XL battery, consider the following common solutions:

- **Battery Not Recognized:**

- Ensure the battery is correctly seated and its connector is firmly attached.
- Restart your laptop.
- Update your laptop's BIOS and battery drivers.

- **Battery Not Charging:**

- Verify that the AC adapter is working correctly and is properly connected.
- Check the charging port for any debris.
- Perform a battery calibration cycle as described in the Maintenance section.

- **Short Battery Life:**

- Adjust power settings in your operating system to optimize battery usage.
- Close unnecessary applications running in the background.
- Reduce screen brightness.
- Ensure your laptop's cooling system is functioning properly to prevent overheating, which can reduce battery efficiency.

- **Physical Fitment Issues:** Some HP laptop models may have different battery retention mechanisms (e.g., screws vs. snap-in). Ensure your laptop's battery compartment is compatible with the CS03XL's design. If your original battery used screws and the CS03XL uses a snap system, it might not fit correctly.

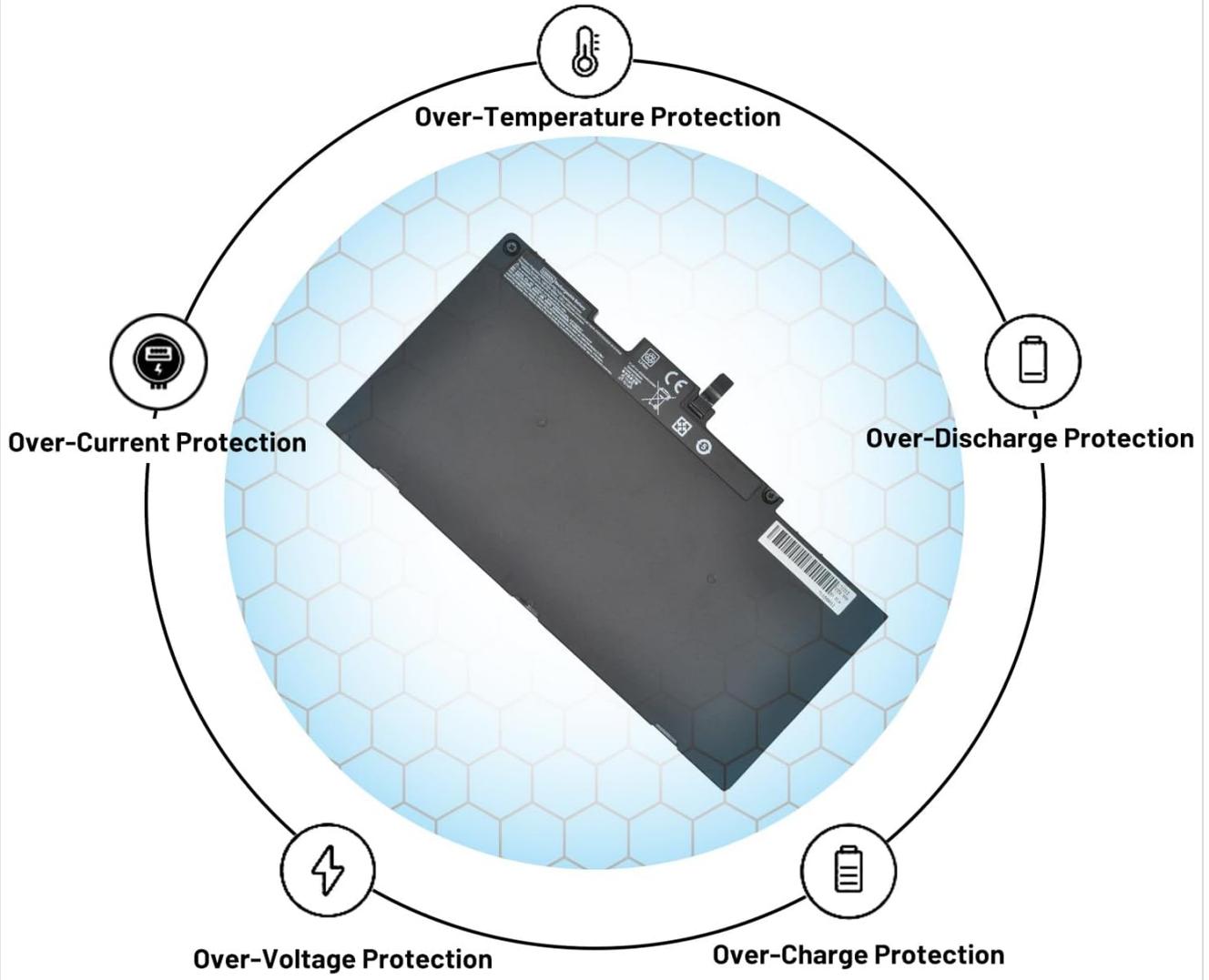


Image 6.1: This diagram highlights the integrated safety features of the CS03XL battery, which include protection against over-temperature, over-current, over-discharge, over-voltage, and over-charge, ensuring safe operation.

7. SPECIFICATIONS

Feature	Detail
Battery Type	Li-ion
Voltage	11.4V
Capacity	46Wh
Cells	4-cell
Model Number	CS03XL

Feature	Detail
Item Weight	9.9 ounces
Package Dimensions	9.13 x 5.59 x 1.18 inches
Manufacturer	RDSJ
Date First Available	May 12, 2018

8. WARRANTY AND SUPPORT

Your RDSJ CS03XL battery comes with the following assurances:

- **Warranty:** A 365-day (1-year) warranty from the date of purchase.
- **Exchange Policy:** A 30-day exchange policy for defective products.
- **Customer Service:** 24/7 online customer service is available for assistance. Please refer to your purchase platform or product packaging for specific contact details.

For any inquiries or support, please contact the seller or manufacturer through the platform where the product was purchased.