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› RDSJK 7FMXV Laptop Battery User Manual

RDSJK 51KD7

# RDSJK 7FMXV Laptop Battery User Manual

Model: 51KD7 | Brand: RDSJK

## 1. INTRODUCTION

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This manual provides essential information for the safe and effective use of your RDSJK 7FMXV Laptop Battery. This high-quality Li-ion battery is designed as a replacement or upgrade for various Dell Latitude laptop models, offering reliable power and extended usage time.



Image 1.1: The RDSJK 7FMXV Laptop Battery and its packaging, highlighting its high-end commercial quality.

The battery features a voltage of 15.2V and a capacity of 63Wh/3941mAh, ensuring compatibility and performance for the specified Dell Latitude series. Please read this manual thoroughly before installation and operation.

## 2. PRODUCT COMPATIBILITY

The 7FMXV battery is compatible with a range of Dell Latitude laptops and specific part numbers. Verify your laptop model and existing battery part number against the list below to ensure proper fit and function.

- **Compatible Machine Models:**

- Dell Latitude 13 5320 7320 Series
- Dell Latitude 14 7420 7520 Series
- Dell Latitude 5320 2-in-1 Series
- Dell Latitude 7320 2-in-1 Series
- Dell Latitude 7420 2-in-1 Series
- Dell P110F P110F001 Series

- Dell P133G P133G001 Series
- Dell P134G P134G001 Series
- Dell P135G P135G001 Series
- Dell P136G P136G001 Series
- Dell P138G P138G001 Series
- Dell P139G P139G001 Series

- **Compatible Part Numbers:**

- 7FMXV, 0TN2GY, TN2GY, CN-0TN2GY
- 9JM71, 04M1JN, 4M1JN
- 1PP63, 01PP63, CN-01PP63
- HDGJ8, MHR4G, 727CG, 0727CG, CN-0727CG
- 451-BCSM, 451-BCUW, 4ICP5/57/79

**Note: The 7FMXV battery is NOT compatible with Dell Latitude 7320 Detachable models.**



7FMXV

### COMPATIBLE MODELS:

Dell Latitude 13 5320 7320 Series

Dell Latitude 14 7420 7520 Series

Dell P134G001 P135G001 P138G001



### REPLACE PART NUMBERS:

7FMXV 0TN2GY TN2GY CN-0TN2GY 9JM71

4M1JN 1PP63 01PP63 CN-01PP63 HDGJ8

MHR4G 727CG 0727CG CN-0727CG 4ICP5/57/79

Image 2.1: Visual representation of compatible Dell laptop models and a list of corresponding part numbers for the 7FMXV battery.

## 3. INSTALLATION GUIDE

Installing the RDSJK 7FMXV battery requires careful handling and basic tools. It is recommended to consult your laptop's specific service manual for detailed instructions on battery replacement. The general steps are as follows:

1. **Power Off and Disconnect:** Completely shut down your Dell Latitude laptop and disconnect it from the power adapter.
2. **Discharge Residual Power:** Press and hold the power button for 15-20 seconds to drain any residual power from the system.
3. **Access the Battery Compartment:** Carefully open the laptop's back cover. This typically involves removing several screws. *Note: A suitable screwdriver (not necessarily the one included with the battery) will be required.*

4. **Disconnect Old Battery:** Locate the existing battery. Gently disconnect the battery connector from the motherboard.
5. **Remove Old Battery:** Unscrew the 5-6 screws securing the old battery in place and carefully lift it out of the compartment.
6. **Install New Battery:** Place the new RDSJK 7FMXV battery into the compartment, ensuring it aligns correctly. Secure it with the screws previously removed.
7. **Connect New Battery:** Connect the new battery's cable to the motherboard connector, ensuring a firm and secure connection.
8. **Reassemble Laptop:** Replace the back cover and secure all screws.
9. **Initial Boot and BIOS Check:** Power on your laptop. You may need to enter the BIOS/UEFI settings to set the correct date and time after battery replacement.



Image 3.1: Detailed view of the battery's gold-plated connector points, durable ABS+PC casing, and special heat-resistant screw clips,

## 4. OPERATING INSTRUCTIONS

To optimize the performance and lifespan of your new battery, follow these initial charging and usage guidelines:

- **First Use Cycle:** For the very first use, discharge the battery to approximately 5% of its capacity (do not let it drain to 0%). Then, charge it fully to 95%. Repeat this discharge-charge cycle 3-4 times. This process helps calibrate the battery and optimize its performance.
- **Regular Charging:** Charge the battery using your laptop's original or certified compatible power adapter. Avoid using unapproved chargers.
- **Optimal Usage:** The actual operating time of the battery will vary depending on your device's power requirements and usage patterns (e.g., screen brightness, running applications, Wi-Fi/Bluetooth usage).



7FMXV

**GIVE YOU A LONGER BATTERY LIFE EXPERIENCE**

**BUSINESS**

**OFFICE**

**STUDY**

**ENTERTAINMENT**

Image 4.1: The 7FMXV battery supports diverse laptop usage, from business and office tasks to study and entertainment, providing reliable

## 5. MAINTENANCE AND SAFETY

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Proper maintenance ensures the longevity and safety of your battery. Adhere to the following guidelines:

- **Temperature Control:** Avoid exposing the battery to extreme temperatures (very hot or very cold). Optimal operating temperature is typically room temperature.
- **Storage:** If storing the battery for an extended period, ensure it is charged to about 50-70% and stored in a cool, dry place.
- **Cleaning:** Keep the battery contacts clean and free from dust or debris. Use a dry, soft cloth for cleaning.
- **Disposal:** Do not dispose of the battery in general waste. Follow local regulations for proper disposal of Li-ion batteries.
- **Protection Features:** The battery is equipped with multiple protection mechanisms:
  - Over-Temperature Protection
  - Over-Current Protection
  - Over-Discharge Protection
  - Over-Voltage Protection
  - Over-Charge Protection

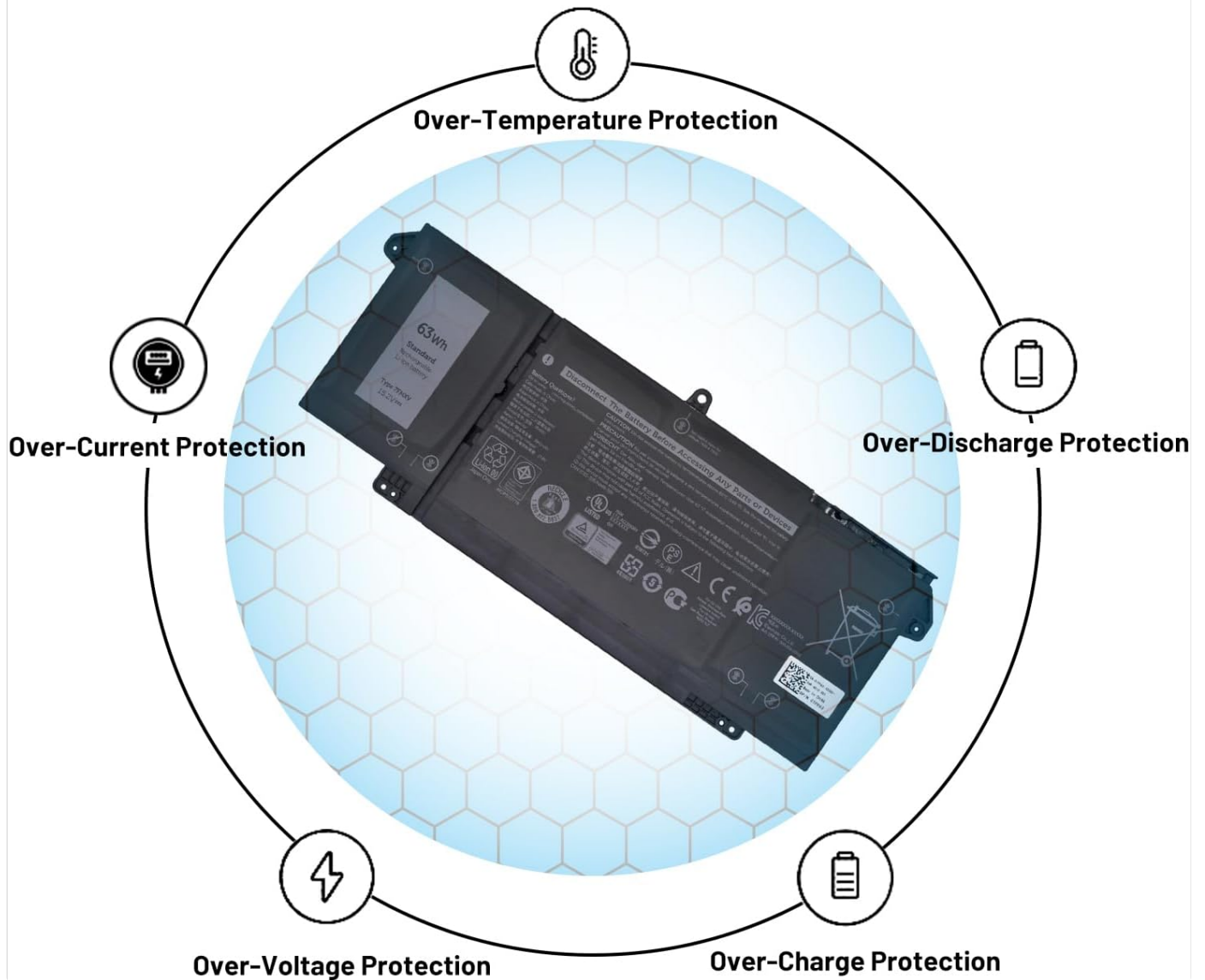


Image 5.1: The 7FMXV battery incorporates advanced safety features to protect against common electrical issues, ensuring stable and safe operation.

## 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

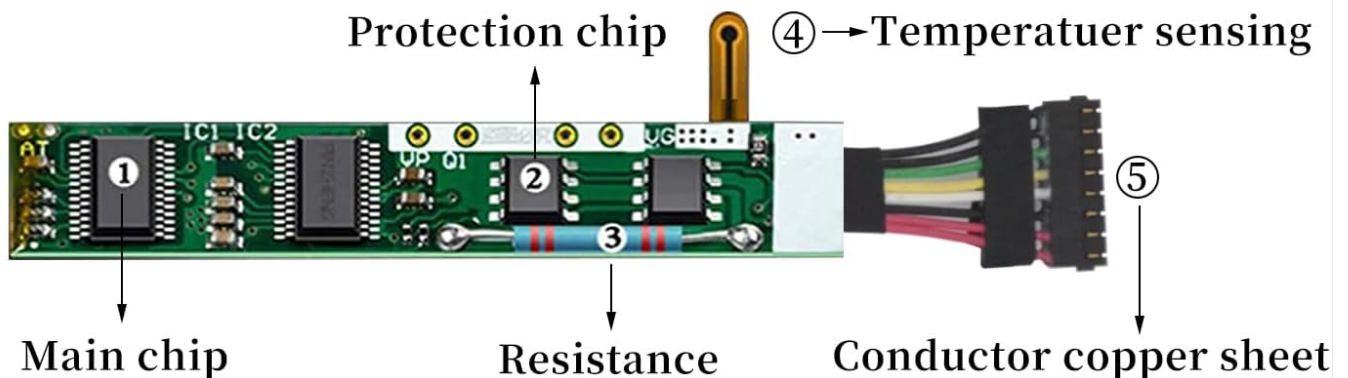


Image 5.2: The battery's internal structure, showing high-quality cells and the integrated protection chip, resistance, and conductor copper sheet for reliable performance and safety.

## 6. TROUBLESHOOTING

If you encounter issues with your RDSJK 7FMXV battery, consider the following common solutions:

### • Battery Not Detected:

- Ensure the battery connector is firmly seated.
- Verify that all screws securing the battery and back cover are tightened.
- Restart your laptop.
- Check BIOS settings to ensure the battery is recognized.

### • Battery Not Charging:

- Confirm the power adapter is correctly connected and functioning.
- Check the charging port for any debris.
- Try a different power outlet.

- Update your laptop's BIOS and battery drivers.

- **Short Battery Life:**

- Review your laptop's power settings and adjust for battery optimization.
- Close unnecessary background applications.
- Reduce screen brightness.
- Perform the initial discharge-charge cycles as described in Section 4.

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

## 7. SPECIFICATIONS

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| Feature                  | Detail                     |
|--------------------------|----------------------------|
| Battery Type             | Li-ion                     |
| Voltage                  | 15.2V                      |
| Capacity                 | 63Wh / 3941mAh             |
| Cells                    | 4-cell                     |
| Model Number             | 51KD7                      |
| Item Weight              | 10.8 ounces                |
| Package Dimensions       | 11.93 x 4.41 x 1.14 inches |
| Battery Cell Composition | Lithium Ion                |
| Manufacturer             | RDSJ                       |
| Date First Available     | November 22, 2019          |



7FMXV

Model: 7FMXV

Type: Li-ion

Voltage: 15.2V

Capacity: 63Wh/3941mAh



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

Image 7.1: Key specifications of the RDSJK 7FMXV battery, including its model number, Li-ion type, 15.2V voltage, and 63Wh/3941mAh capacity.

## 8. WARRANTY AND SUPPORT

Your RDSJK 7FMXV Laptop Battery comes with a commitment to quality and customer satisfaction.

- **Warranty:** The product is backed by a 365-day (1-year) warranty from the date of purchase, covering manufacturing defects.
- **Recharge Cycles:** The battery is designed to withstand up to 500 recharge cycles over its lifespan, indicating robust durability.
- **Customer Service:** For any inquiries, technical assistance, or warranty claims, please contact RDSJK customer service.
- **Returns/Exchanges:** Refer to your purchase platform's return policy for details on returns or exchanges within the specified period (e.g., 30 days for exchanges).

**ASK A QUESTION ABOUT THIS MANUAL**

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Anonymous

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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