

RDSJ 40V 6.5Ah

RDSJ 40V 6.5Ah Lithium-Ion Replacement Battery for Kobalt 40V Tools Instruction Manual

Model: 40V 6.5Ah

1. PRODUCT OVERVIEW

The RDSJ 40V 6.5Ah Lithium-Ion Replacement Battery is designed to provide reliable power for your Kobalt 40V cordless power tools. This battery features an upgraded 6500mAh capacity, offering extended runtime for various applications such as lawn mowers, trimmers, and blowers. It is engineered for compatibility and includes intelligent protection features to ensure safe operation.

Key Features:

- **Battery Type:** Li-ion
- **Voltage:** 40V
- **Capacity:** 6.5Ah / 6500mAh
- **Wattage:** 240W
- **LED Indicator:** Monitors power level
- **Cooling Technology:** Enables operation in various environments
- **Rapid-Recharge Design:** Minimizes downtime

Perfect Replacement For Kobalt 40V Battery



Image 1.1: The RDSJ 40V 6.5Ah Lithium-Ion Replacement Battery, highlighting its 40V voltage, 6.5Ah capacity, and Li-ion battery type.

2. SAFETY INFORMATION

Read and understand all safety instructions before using this battery. Failure to follow these instructions may result in electric shock, fire, or serious injury.

General Battery Safety:

- Do not disassemble, open, or shred battery packs.
- Do not short-circuit a battery pack. Store battery packs away from metal objects that could make a direct connection between the terminals.
- Do not expose battery packs to heat or fire. Avoid storage in direct sunlight.
- Do not subject battery packs to mechanical shock.
- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep battery packs clean and dry.

- Recharge only with the specified charger for the product.
- Do not use any charger other than that specifically provided for use with the equipment.

Intelligent Protection Features:

This battery is equipped with intelligent protection mechanisms to prevent potential damage:

- **Over-Charge Protection:** Prevents overcharging, extending battery life.
- **Over-Discharge Protection:** Protects against excessive discharge.
- **Over-Voltage Protection:** Safeguards against voltage fluctuations.
- **Over-Current Protection:** Prevents damage from excessive current draw.
- **Over-Temperature Protection:** Monitors and regulates battery temperature.
- **Short-Circuit Protection:** Automatically shuts off power in case of a short circuit.



Image 2.1: The battery's multiple protection features, including over-charge, over-discharge, over-voltage, over-current, over-temperature, and short-circuit protection.

3. SETUP AND CHARGING

Compatibility:

This RDSJ 40V 6.5Ah battery is 100% compatible with the following Kobalt 40V Lithium-Ion tools and chargers:

- **Compatible Tools:** KB440-03, KB2540C-06, KB640-03, KB240-06, KB240C-06, KB640-06, KB245-06, KRC40-06, KB440C-06, KB340C-06, 2910003-RC, KBK0140-06, KB540C-06, 1302703 Cordless Tools.
- **Compatible Chargers:** KRC60-06, KRC40-06, KRC 840-03.

Compatible With All Kobalt 40V Tools & Chargers



Image 3.1: The RDSJ 40V 6.5Ah battery demonstrating compatibility with a range of Kobalt 40V tools and chargers.

Charging the Battery:

1. Ensure the battery is clean and dry before charging.
2. Insert the battery pack firmly into a compatible Kobalt 40V charger (e.g., KRC60-06, KRC40-06, KRC 840-03).
3. Connect the charger to a standard power outlet.
4. The charger's indicator lights will show the charging status. Refer to your charger's manual for specific light patterns.
5. Once fully charged, remove the battery from the charger. Do not leave batteries on the charger indefinitely after they are fully charged.

Installing the Battery into a Tool:

1. Align the battery pack with the battery port on your Kobalt 40V tool.
2. Slide the battery into the tool until it clicks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.
3. To remove, press the battery release button (if applicable on your tool) and slide the battery out.

4. OPERATION

Monitoring Battery Level:

The 40V 6.5Ah battery is equipped with an LED indicator to monitor the power level. Press the button on the battery to activate the indicator lights.

- **4 Lights:** 75-100% charge
- **3 Lights:** 50-75% charge
- **2 Lights:** 25-50% charge
- **1 Light:** 0-25% charge (recharge soon)

Monitor Battery Level



Image 4.1: The LED power indicator on the battery, illustrating how to monitor the remaining charge.

Using with Tools:

Once installed, the battery powers your compatible Kobalt 40V tools. The 6.5Ah capacity provides extended runtime, making it suitable for demanding tasks and longer work sessions with tools such as:

- Lawn Mowers
- Trimmers
- Blowers
- Chainsaws
- Hedge Trimmers
- Pressure Washers



Image 4.2: The battery in use, demonstrating its application with various outdoor power tools.

5. MAINTENANCE AND STORAGE

Battery Care:

- Keep the battery clean and free of debris. Use a dry cloth to wipe down the battery terminals if necessary.
- Avoid exposing the battery to extreme temperatures, both hot and cold.
- Do not immerse the battery in water or any other liquids.
- The built-in cooling channels assist in heat dissipation during operation. Ensure these channels are not blocked.



LED POWER INDICATOR

Enabling You to Always Stay Informed About the Battery Power Level

PRECISE DESIGN

Perfect Compatibility with Kobalt 40V Tools and Chargers



COOLING CHANNEL

Built-in Air-Cooling Fin to Cool the Battery and Enable Heat Dissipation

Image 5.1: Detailed view of the battery's design, including the LED indicator, precise fit, and cooling channels for optimal performance and longevity.

Storage:

- Store the battery in a cool, dry place, away from direct sunlight and moisture.
- For long-term storage, it is recommended to store the battery with a partial charge (around 50%).
- Do not store the battery in a discharged state for extended periods, as this can lead to irreversible damage.
- Keep batteries away from children and pets.

6. TROUBLESHOOTING

If you encounter issues with your RDSJ 40V 6.5Ah battery, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; faulty charger; battery not seated correctly; battery too hot/cold	Check charger connection; try a different charger; re-seat battery; allow battery to reach room temperature.
Tool not operating	Battery discharged; battery not seated correctly; tool malfunction	Charge battery; re-seat battery; check tool's own manual for troubleshooting.
Reduced runtime	Battery not fully charged; battery aging; extreme operating conditions	Ensure full charge; consider battery replacement if significantly aged; operate within recommended temperature ranges.
LED indicator not working	Battery fully discharged; internal fault	Attempt to charge the battery; if issue persists, contact customer service.

If these steps do not resolve the issue, please contact customer service for further assistance.

7. SPECIFICATIONS

Specification	Value
Model Number	40V 6.5Ah
Battery Type	Lithium Ion
Voltage	40V
Capacity	6.5Ah (6500 Milliamp Hours)
Wattage	240W
Product Dimensions	6.7 x 4.5 x 2.3 inches
Item Weight	4.4 pounds
Recommended Uses	Lawn Mower, Power Tool
Manufacturer	Shenzhen Banhui Technology Co., Ltd.
Date First Available	September 25, 2024

8. WARRANTY AND CUSTOMER SUPPORT

Your RDSJ 40V 6.5Ah Lithium-Ion Replacement Battery comes with comprehensive support:

- **Money Back/Replacement:** 30 days from the date of purchase.
- **Warranty:** 365 days (1 year) from the date of purchase.
- **Customer Service:** 7 days a week, 24 hours a day friendly customer service is available to assist you with any questions or concerns.

For warranty claims or customer support, please refer to the contact information provided with your purchase or on the product packaging.

