

DTK KM 2041B-06, KPM1040A-03, KM-1640-06, KM 4040-06, KM 1940-07

DTK Replacement for Kobalt 40V Battery MAX 3000mAh Instruction Manual

Your guide to safe and efficient use of your DTK 40V Lithium-ion batteries.

1. PRODUCT OVERVIEW

The DTK Replacement for Kobalt 40V MAX 3000mAh Lithium-ion battery is designed to provide reliable power for your Kobalt 40V cordless power tools. These batteries offer high capacity and are built with advanced protection features to ensure safety and longevity.

Key Features:

- **Voltage:** 40V
- **Capacity:** 3.0Ah (3000mAh)
- **Wattage:** 120Wh
- **Type:** Lithium-ion
- Removable, Rechargeable & No Memory Effect
- Built-in 4-LED Fuel Gauge System for immediate charge feedback
- Multiple protection technologies: Over-charging, over-discharging, over-current, over-heating, short-circuit, and over-voltage protection.
- Durable ABS+PC materials for the battery case, ensuring sturdiness and fire resistance with good heat dissipation.

Product Images:



Image 1.1: Two DTK 40V 3.0Ah Lithium-ion replacement batteries, front view.



Image 1.2: Two DTK 40V 3.0Ah Lithium-ion replacement batteries, top view showing the LED indicator.

Long Lasting, High Capacity Improvement for Power Tools Performance

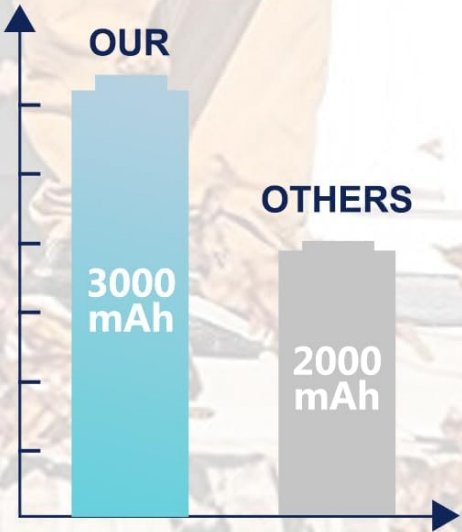


Image 1.3: A single DTK 40V 3.0Ah Lithium-ion battery highlighting its voltage, capacity, type, and wattage.

Multiple Protection Technology



over-charger
protection



over-heating
protection



over-discharge
prevention



short-circuit
protection



over-current
protection



over-voltage
protection

Image 1.4: Comparison showing the 3000mAh capacity of the DTK battery versus a 2000mAh alternative, indicating longer lasting performance.

Widely Compatibilty For Kobalt 40V Tools



Image 1.5: Illustration of the multiple protection technologies integrated into the DTK battery, including over-charger, over-heating, over-discharge, short-circuit, over-current, and over-voltage protection.



Suitable for All Kobalt 40V Power Tools



Image 1.6: Visual representation of the wide compatibility of the DTK 40V battery with various Kobalt 40V power tools, such as string trimmers, hedge trimmers, chainsaws, leaf blowers, and lawnmowers.

Product Video:

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Video 1.1: A 28-second video showcasing the DTK Replacement for Kobalt 40V Battery from various angles, highlighting its design and features.

2. SAFETY INFORMATION

Please read and understand all safety warnings and instructions before using this product. Failure to follow the warnings and instructions may result in electric shock, fire, and/or serious injury.

- Always use the battery with compatible Kobalt 40V cordless tools and original 40V battery chargers (KRC60-06 / KRC40-06 / KRC 840-03).

- Do not expose the battery to rain or wet conditions. Water entering a battery will increase the risk of electric shock or fire.
- Do not charge the battery in damp or wet locations.
- Do not store the battery in locations where the temperature may reach or exceed 122°F (50°C).
- Do not incinerate the battery even if it is severely damaged or is completely dead. The battery can explode in a fire.
- Do not short-circuit the battery.
- Do not disassemble, open, or shred battery cells or batteries.
- Keep the battery away from children.
- Dispose of used batteries properly according to local regulations.

3. SETUP AND CHARGING

Your DTK 40V Lithium-ion battery is shipped with a low charge to prevent potential issues during transport. It is recommended to fully charge the battery before first use.

3.1 Charging the Battery

1. Ensure you are using an original Kobalt 40V battery charger (models KRC60-06, KRC40-06, or KRC 840-03 are compatible).
2. Insert the battery into the charger, ensuring it clicks securely into place.
3. Connect the charger to a standard power outlet.
4. The 4-LED Fuel Gauge System on the battery will indicate the charging status. Solid green lights indicate a full charge.
5. Once fully charged, remove the battery from the charger.

3.2 Understanding the LED Fuel Gauge

The 4-LED Fuel Gauge System provides immediate feedback on the battery's state of charge:

- **4 Solid Green Lights:** Full charge (75-100%)
- **3 Solid Green Lights:** High charge (50-75%)
- **2 Solid Green Lights:** Medium charge (25-50%)
- **1 Solid Green Light:** Low charge (0-25%)
- **Flashing Light:** Indicates charging or a fault. Refer to your charger's manual for specific flashing patterns.

4. OPERATING INSTRUCTIONS

These batteries are designed for seamless integration with your Kobalt 40V cordless power tools.

4.1 Installing the Battery

1. Align the battery with the battery port on your Kobalt 40V tool.
2. Slide the battery into the port until it clicks securely into place. Ensure it is fully seated to prevent accidental dislodgement during operation.

4.2 Removing the Battery

1. Locate the battery release button(s) on your tool.

2. Press and hold the release button(s) while sliding the battery out of the tool's port.

Compatible Tools: These batteries are perfect replacements for 40V cordless tools such as string trimmers, leaf blowers, hedge trimmers, chainsaws, and lawn mowers that use Kobalt 40V batteries.

5. MAINTENANCE AND STORAGE

Proper maintenance and storage will extend the life of your DTK 40V batteries.

- **Cleaning:** Keep the battery terminals clean and free of debris. Use a clean, dry cloth to wipe the battery. Do not use solvents or harsh chemicals.
- **Storage:** Store the battery in a cool, dry place away from direct sunlight and extreme temperatures. Ideal storage temperature is between 50°F (10°C) and 68°F (20°C).
- **Long-Term Storage:** For long-term storage, charge the battery to approximately 50% capacity. Recharge every 3-6 months to prevent deep discharge, which can damage the battery.
- **Avoid Full Discharge:** While the battery has no memory effect, avoiding complete discharge before recharging can help prolong its overall lifespan.

6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Battery not charging	Charger not plugged in; Faulty charger; Battery too hot/cold; Battery terminals dirty; Battery defect.	Check power connection; Try a different charger; Allow battery to reach room temperature; Clean battery terminals; Contact customer service if issue persists.
Tool not operating with battery	Battery not fully inserted; Battery discharged; Tool defect; Battery defect.	Ensure battery is clicked into place; Charge battery fully; Test with another battery (if available); Contact customer service.
Battery not holding charge	Battery age/wear; Improper charging/storage; Battery defect.	Ensure proper charging and storage practices; If battery is new and issue persists, contact customer service for warranty claim.

If troubleshooting steps do not resolve the issue, please refer to the Warranty and Support section.

7. SPECIFICATIONS

Specification	Value
Voltage	40V

Specification	Value
Capacity	3.0Ah (3000mAh)
Wattage	120Wh
Battery Type	Lithium-ion
Item Weight	3.76 pounds (for 2 packs)
Package Dimensions	7.52 x 5.98 x 5.35 inches
Manufacturer	Shenzhen Henglixinyuan Electronic Technology Co., Ltd
Country of Origin	China

8. WARRANTY AND SUPPORT

DTK stands behind the quality of its products.

- **Warranty:** This product comes with a 30-day money-back guarantee and a 12-month limited warranty.
- **Customer Service:** For any questions, concerns, or warranty claims, please contact us through the "Your Orders" tab in your Amazon account. We aim to provide a satisfactory solution within 24 hours.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

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