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> TenHutt 40V Lithium-Ion Battery Charger Instruction Manual for Kobalt 40V Batteries

TenHutt TenHutt 40V Li-Ion Battery Charger

TenHutt 40V Lithium-Ion Battery Charger Instruction Manual

Model: TenHutt 40V Li-Ion Battery Charger

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your TenHutt 40V Lithium-Ion Battery Charger. Please read this manual thoroughly before first use and retain it for future reference.



Figure 1: TenHutt 40V Lithium-Ion Battery Charger. This image shows the blue and black charger unit with its power cord and LED indicators visible.

2. SAFETY INFORMATION

Always observe the following safety precautions to reduce the risk of injury or damage to the product.

General Safety Warnings

- Read all instructions before using the charger.
- Do not expose the charger to rain or wet conditions. Water entering a charger will increase the risk of electric shock.
- Use only with specified battery packs. Using any other battery packs may create a risk of injury and fire.
- Do not abuse the cord. Never use the cord for carrying, pulling, or unplugging the charger. Keep cord away from heat, oil, sharp edges, or moving parts. Damaged or entangled cords increase the risk of electric shock.
- Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged. Take it to an authorized service center.
- Do not disassemble the charger; take it to an authorized service center when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
- Unplug the charger from the outlet before attempting any maintenance or cleaning.

Protection Features

This charger incorporates an advanced intelligent chip designed to protect against various electrical hazards:

- **Overcharging Protection:** Prevents batteries from being overcharged, extending battery lifespan.
- **Over-discharging Protection:** Safeguards batteries from excessive discharge.
- **Overheating Protection:** Monitors internal temperature to prevent damage from excessive heat.
- **Overcurrent Protection:** Protects against excessive current flow.
- **Overloading Protection:** Prevents damage from excessive load.
- **Overvoltage Protection:** Shields against voltage spikes.
- **Short-circuit Protection:** Automatically shuts off in case of a short circuit.



Figure 2: Diagram illustrating the multiple protection systems integrated into the charger, including overcharge, overheat, overcurrent, overloading, overvoltage, and short-circuit protection.

3. PRODUCT OVERVIEW

Components

- TenHutt 40V Lithium-Ion Battery Charger Unit
- Integrated Power Cord
- User Manual (this document)

Technical Specifications

- **Input Voltage:** AC 100V-240V, 50-60Hz
- **Output Voltage:** DC 42V Max
- **Output Current:** 2.2A \pm 10%
- **Product Dimensions:** 4.45 x 7.05 x 3.94 inches
- **Item Weight:** 1.25 pounds

Compatibility

This TenHutt charger is designed for seamless compatibility with Kobalt 40V Lithium-Ion battery systems. It is compatible with the following Kobalt 40V battery models:

- KB 240-03
- KB440-03
- KB640-03
- KB 240-06
- KB2540C-06
- KB640-06
- KB245-06
- KB440C-06
- KB340C-06

It is also compatible with original Kobalt 40V battery chargers, including models:

- KRC 40-06
- KRC 60-06
- KRC 840-03

COMPATIBLE WITH **KOBALT** 40V MAX BATTERIES

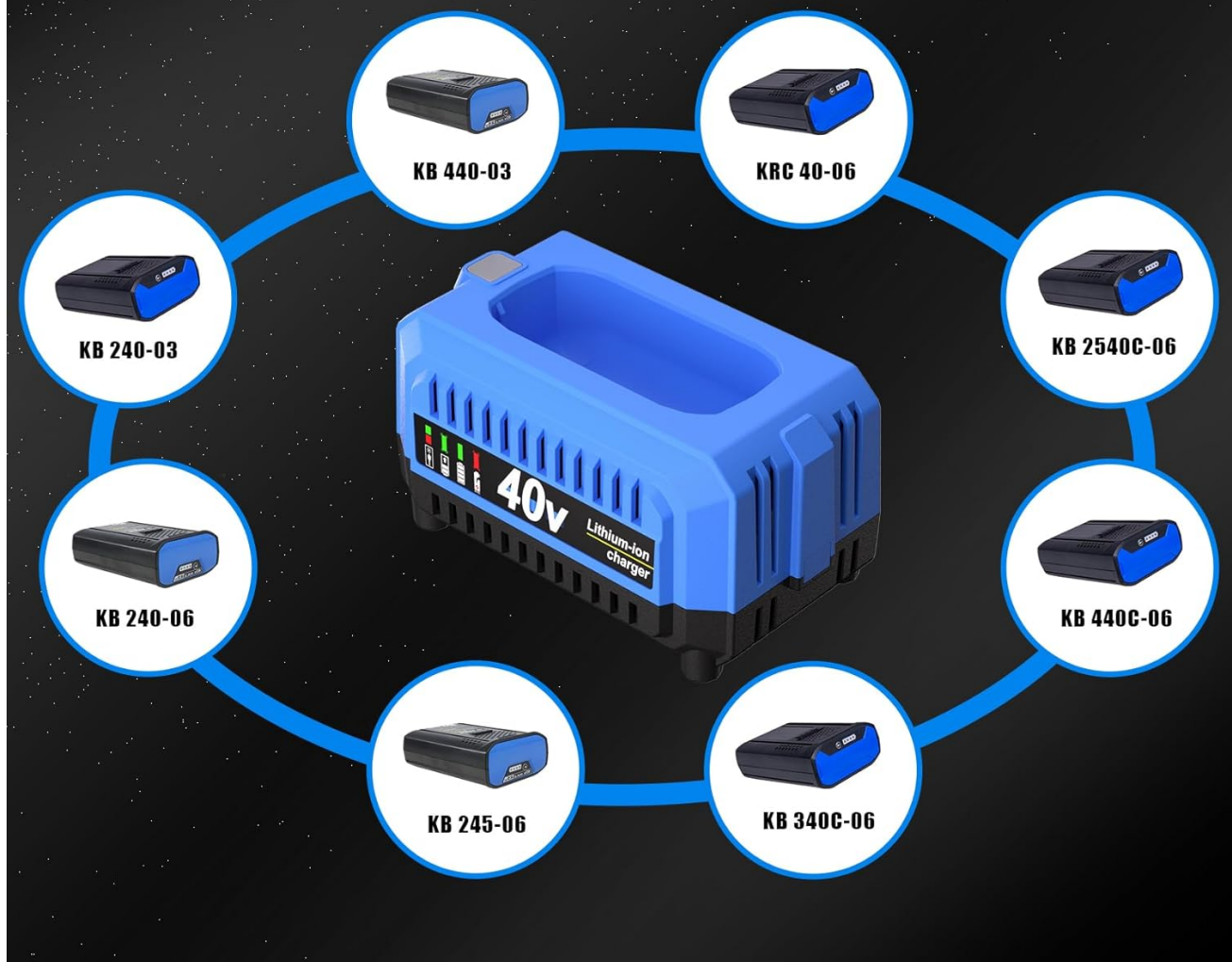


Figure 3: Visual representation of the TenHutt 40V charger surrounded by various compatible Kobalt 40V battery models, highlighting its broad compatibility.

4. SETUP

Unpacking

1. Carefully remove the charger from its packaging.
2. Inspect the charger for any signs of damage. If damaged, do not use and contact customer service.
3. Ensure all components listed in the "Product Overview" section are present.

Connecting to Power

1. Place the charger on a stable, flat, non-flammable surface.
2. Plug the integrated power cord into a standard 100V-240V AC electrical outlet.
3. The charger is now ready for use.

5. OPERATING INSTRUCTIONS

Charging a Battery

1. Ensure the charger is plugged into a power outlet.
2. Align the Kobalt 40V Lithium-Ion battery with the charging port on the TenHutt charger.
3. Slide the battery firmly into the charger until it clicks into place.
4. The charger's LED indicator will illuminate to show the charging status.
5. Once the battery is fully charged, the LED indicator will change to a solid green.
6. Remove the battery from the charger by pressing the release button (if applicable) and sliding it out.

LED Indicator Status

The charger features clear LED indicators to provide real-time updates on the battery's charging status:

- **Red light flashes slowly:** Standby mode.
- **Red light is always on:** Battery is currently charging.
- **Green light is always on:** Battery is fully charged.
- **Flashing red and green lights:** Battery input voltage is too low or too high.
- **All lights flashing:** Battery failure or error.



Figure 4: Visual guide to the LED indicator lights on the charger, explaining each status: Standby, Charging, Full Charged, Voltage Issue, and Battery Failure.

Official Product Video: Charging Demonstration

Your browser does not support the video tag.

Video 1: This video demonstrates the process of charging a Kobalt 40V battery using the TenHutt 40V Lithium-Ion Battery Charger, including plugging in the charger and inserting the battery. It also shows the LED indicator changing status during charging.

6. MAINTENANCE

Cleaning

- Always unplug the charger before cleaning.
- Use a soft, dry cloth to wipe the exterior of the charger.
- Do not use abrasive cleaners or solvents.
- Keep the ventilation channels clear of dust and debris to ensure optimal cooling.

Storage

- Store the charger in a dry, indoor location, away from direct sunlight and extreme temperatures.
- Ensure the power cord is neatly coiled and not kinked or damaged.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not powering on / No LED indication	Not plugged in correctly; Power outlet issue; Damaged power cord.	Ensure the charger is securely plugged into a working outlet. Check the power cord for damage. Try a different outlet.
Battery not charging (Red light is always on, but charge doesn't increase)	Battery not inserted correctly; Battery fault; Charger fault.	Re-insert the battery firmly. Check the battery for damage. If possible, try charging a different battery. If the issue persists, contact customer service.
Flashing red and green lights	Battery input voltage is too low or too high.	Ensure the power supply is stable and within the specified voltage range (100V-240V AC).
All lights flashing	Battery failure or error.	Remove the battery and re-insert it. If the error persists, the battery may be faulty and require replacement.
Charger or battery feels excessively hot	Overheating during charging; Blocked ventilation.	Ensure the charger is in a well-ventilated area. Check for any obstructions in the cooling channels. Discontinue use if overheating persists and contact customer service.

8. DETAILED SPECIFICATIONS

Feature	Detail
Brand	TenHutt
Model	TenHutt 40V Li-Ion Battery Charger
Input Voltage	AC 100V-240V, 50-60Hz
Output Voltage	DC 42V Max
Output Current	2.2A ±10%
Product Dimensions	4.45 x 7.05 x 3.94 inches
Item Weight	1.25 pounds
Compatible Battery Types	Kobalt 40V Lithium-Ion Batteries (e.g., KB 240-03, KB440-03, KB640-03, KB 240-06, KB2540C-06, KB640-06, KB245-06, KB440C-06, KB340C-06)
Compatible Charger Models	Kobalt KRC 40-06, KRC 60-06, KRC 840-03

9. WARRANTY AND CUSTOMER SUPPORT

Warranty Information

TenHutt provides customer service and support for this product. For any issues or inquiries, please refer to our after-sale policy. Note that Amazon's return window typically closes after one month. For assistance beyond this period or for specific warranty details, please contact us directly.

Contacting Support

For any questions, technical support, or warranty claims, please contact TenHutt customer service. You can typically find contact information on the seller's store page or through the platform where the product was purchased. When contacting support, please have your product model and purchase date available.