

TAURUSKING US-HIT14.4C-14.4V-3.0Ah

TAURUSKING 3.0Ah 14.4V Li-ion Battery Instruction Manual

Model: US-HIT14.4C-14.4V-3.0Ah

1. INTRODUCTION

This manual provides essential information for the safe and effective use of your TAURUSKING 3.0Ah 14.4V Li-ion replacement battery. This battery is designed for compatibility with various Hitachi and HiKOKI 14.4V cordless power tools and chargers. Please read this manual thoroughly before initial use and retain it for future reference.

2. SAFETY INFORMATION

Your safety is paramount. Observe all warnings and instructions to prevent electric shock, fire, or serious injury.

- **Charge Safely:** Always charge the battery in a well-ventilated area, away from flammable materials. Use only compatible chargers specified for 14.4V Li-ion batteries.
- **Avoid Damage:** Do not expose the battery to water, rain, or extreme temperatures. Avoid dropping or subjecting the battery to severe impacts.
- **Proper Storage:** When not in use for extended periods, remove the battery from the tool and store it in a cool, dry place. Avoid prolonged discharge, as this can lead to irreversible damage.
- **Integrated Protection:** This battery features an integrated motherboard designed to prevent overload, overheating, overcurrent, and short circuits, enhancing battery life and safety.
- **Disposal:** Dispose of batteries responsibly according to local regulations. Do not incinerate or mutilate batteries.

Ten protective measures



Over Temperature



Short Circuit



Over-current



Impact resistant



Reverse charge



No memory



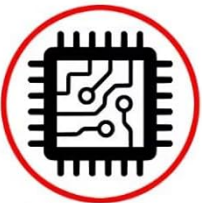
Over-discharge



Over Power



Overcharging



Chip Protect

Figure 2.1: Ten protective measures integrated into the battery design.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the battery. It is recommended to perform the initial charge outdoors or in a safe, supervised area. Use a compatible 14.4V charger for Hitachi or HiKOKI batteries.

3.2 Battery Installation

To install the battery into a compatible power tool:

1. Align the battery with the battery port on the power tool.
2. Slide the battery firmly into place until it clicks, indicating it is securely locked.
3. Ensure the battery is fully seated before operating the tool.



Figure 3.1: Battery connection interface and terminals.

4. OPERATING INSTRUCTIONS

4.1 Compatible Tools

This TAURUSKING 14.4V battery is a replacement for Hitachi and HiKOKI 14.4V batteries, including models BSL1415, BSL1420, BSL1425, BSL1430, BSL1440, BSL1450, BSL1460, BSL1415S, 329083, 329877, and 329901. It is compatible with various 14.4V cordless power tools such as:

- Leaf Blower: RB14DSL
- Drill/Drill Driver: DS14DSL, DV14DSL, DS14DBL
- Hammer/Impact Drill: DH14DSL
- Impact Wrench/Driver: FWH14DSL, WH14DBL, WH14DSL, WR14DSL
- Circular Saw: C14DSL, CD14DSL, C14DYSL
- Jig Saw: CJ14DSL

- Angle Grinder: G14DSL
- Cordless Hedge Trimmer: CH14DSL
- Reciprocating Saw: CR14DSL
- Multifunction Oscillating Tool: CV14DBL
- Brad Nailer/Finishing Nail Gun: NP14DSL
- Working Lamp: UB18D, UB18DL, UB18DAL, UB18DSL, UB18DGL
- Vacuum Cleaner: R14DSL
- Stud Cutter: CL14DSL



Figure 4.1: Examples of compatible power tools.

4.2 Compatible Chargers

This battery is compatible with Hitachi and HiKOKI 14.4V chargers, including models UC18YKSL, UC18YGSL, UC18YRSL, and US18YFSL.

4.3 General Usage

Once installed, operate your power tool as per its own instruction manual. The battery provides consistent power output until its charge is depleted. Avoid completely draining the battery to prolong its lifespan.

5. MAINTENANCE

5.1 Charging

Charge the battery using a compatible charger. The charging process typically involves inserting the battery into the charger until it locks, and observing the charger's indicator lights for charging status. Disconnect the battery once fully charged.

5.2 Storage

For optimal battery life, store the battery in a cool, dry place (between 0°C and 25°C) away from direct sunlight and moisture. If storing for an extended period, ensure the battery has a partial charge (around 50%) and remove it from the tool. Avoid storing fully discharged batteries, as this can cause irreversible damage.

5.3 Cleaning

Keep the battery terminals clean and free from dirt or debris. Use a clean, dry cloth to wipe the battery casing. Do not use solvents or abrasive cleaners.

6. TROUBLESHOOTING

- **Battery Not Charging:**

- Ensure the battery is properly seated in the charger.
- Verify the charger is plugged into a working power outlet.
- Check if the charger or battery is damaged.

- **Tool Not Operating:**

- Ensure the battery is fully charged and securely installed in the tool.
- Check the tool's own power switch and safety mechanisms.
- If the battery is new, ensure it has been charged after testing, as long-distance transportation may affect its initial state.

- **Reduced Run Time:**

- The battery may not be fully charged.
- Battery capacity can decrease over time with repeated charge cycles.
- Operating the tool in extreme temperatures can affect performance.

7. SPECIFICATIONS

Model Number	US-HIT14.4C-14.4V-3.0Ah
Battery Type	Lithium-ion (Li-ion)
Voltage	14.4V
Capacity	3.0Ah (3000mAh)
Cell Configuration	8 x 3.6V 1.5Ah Li-ion cells (4 in series, 2 in parallel)

Power	43.2 Watt-hours
Dimensions (L x W x H)	9.63 x 7.43 x 6.75 cm (approx.)
Weight	600 g (approx.)
Battery Cycle Life	Up to 600 times
Certifications	CE, FCC, RoHS
Manufacturer	Nuclear power source commerce
Country of Origin	China

Built in 8 section **lithium battery**

Lithium Ion Battery **no memory effect**

Self-discharge rate: 5% for general batteries, ours is less than 1%/month

Single cell capacity: 18650 /1.5 2.0 2.5Ah 21700 /3.0Ah 4.0Ah

Charging voltage: 4.2V Full voltage 4.2V Standard voltage 3.6V

Continuous discharge current: 10C Charging current: 1A=0.5C

Cut-off voltage 2.8V Charge and discharge times: > 1000 times

Figure 7.1: Internal structure and key specifications of the Li-ion battery.



**Quality li-ion
batteries are more
environmentally
friendly**



Figure 7.2: Battery cycle life and environmental considerations.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This TAURUSKING battery comes with a one-year manufacturer's warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, abuse, unauthorized modification, or normal wear and tear.

8.2 Customer Support

For warranty claims, technical assistance, or any questions regarding your TAURUSKING battery, please contact your retailer or the manufacturer directly. Please have your purchase receipt and product model number ready when contacting support.