

HIKOKI UC18YFSL

HiKOKI Charger UC18YFSL Instruction Manual

Model: UC18YFSL

INTRODUCTION

This manual provides essential information for the safe and efficient operation of your HiKOKI UC18YFSL battery charger. The UC18YFSL is designed for charging lithium-ion sliding batteries ranging from 14.4 V to 18 V. It features a built-in fan to dissipate heat generated during the charging process, ensuring optimal performance and battery longevity. Please read this manual thoroughly before use and keep it for future reference.

SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent electric shock, fire, and serious injury.

- Ensure the charger is connected to a power supply with the correct voltage as specified on the charger's label.
- Do not charge non-rechargeable batteries.
- Do not expose the charger to rain or wet conditions. Water entering the charger will increase the risk of electric shock.
- Do not use the charger if the cord or plug is damaged.
- Do not operate the charger in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.
- Keep the charger's ventilation openings clear to prevent overheating. The built-in fan requires unobstructed airflow.
- Unplug the charger from the power source when not in use or before cleaning.
- Do not attempt to disassemble or modify the charger. Refer all servicing to qualified service personnel.
- Charge batteries only within the recommended temperature range (20°C - 25°C for optimal charging).

PRODUCT OVERVIEW

Familiarize yourself with the components of your HiKOKI UC18YFSL charger.



Figure 1: Overall view of the HiKOKI UC18YFSL charger, showing the main unit and its attached power cord with a European-style plug.



Figure 2: Close-up view of the HiKOKI UC18YFSL charger's indicator panel, displaying the "WITH COOLING SYSTEM" label, battery type (Li-ion 14.4V-18V), and LED indicators for charging status.

SETUP

1. **Unpacking:** Carefully remove the charger from its packaging. Inspect for any damage that may have occurred during shipping.
2. **Placement:** Place the charger on a stable, flat surface in a well-ventilated area. Ensure there is sufficient space around the charger for proper airflow, especially around the fan vents.
3. **Power Connection:** Insert the charger's power plug into a suitable electrical outlet. Ensure the outlet provides the correct voltage as indicated on the charger's rating label.

OPERATING INSTRUCTIONS

1. **Inserting the Battery:** Align the battery with the charging slot on the charger. Slide the battery firmly into place until it clicks, ensuring a secure connection.
2. **Charging Process:** Once the battery is correctly inserted and the charger is powered, the charging process will begin automatically. The charger is equipped with LEDs that will indicate the charging status. Refer to the charger's label or specific LED pattern guide for detailed status indications (e.g.,

charging, fully charged, error).

- 3. **Charging Time:** The charging time is relatively short but varies depending on the battery's voltage and capacity. Larger capacity batteries will take longer to charge.
- 4. **Optimal Charging Temperature:** For best results and to prolong battery life, charge batteries when their temperature is between 20°C and 25°C. The charger's integrated fan helps manage heat during the charging process.
- 5. **Removing the Battery:** Once charging is complete (indicated by the LEDs), press the battery release button (if present) and slide the battery out of the charger.

MAINTENANCE

- **Cleaning:** Disconnect the charger from the power supply before cleaning. Use a soft, dry cloth to wipe the exterior of the charger. Do not use abrasive cleaners or solvents. Keep the ventilation openings free of dust and debris.
- **Storage:** Store the charger in a cool, dry place, away from direct sunlight and moisture. When not in use for extended periods, unplug it from the power outlet.
- **Cord Care:** Regularly inspect the power cord for any signs of damage. Do not wrap the cord tightly around the charger.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger not powering on.	No power to outlet; damaged power cord/plug; internal fault.	Check outlet with another device; inspect cord/plug for damage; if damaged, do not use and seek service.
Battery not charging.	Battery not properly inserted; battery too hot/cold; faulty battery; charger malfunction.	Re-insert battery firmly; allow battery to reach optimal temperature (20-25°C); test with another battery if available; if problem persists, seek service.
Charger LEDs flashing/flickering unusually.	Error condition (e.g., battery fault, overheating).	Refer to the charger's specific LED indicator guide for error codes; remove battery, allow to cool, then re-insert.

SPECIFICATIONS

Feature	Detail
Model Number	UC18YFSL
Brand	HIKOKI
Compatible Battery Type	Lithium-ion sliding batteries
Compatible Battery Voltage	14.4 V to 18 V
Output Voltage	18 Volts

Feature	Detail
Optimal Charging Temperature	20°C - 25°C
Cooling System	Integrated fan for heat dissipation
Product Dimensions (L x W x H)	18D x 9W x 19H centimeters
Item Weight	660 g
Manufacturer	HIKOKI

WARRANTY AND SUPPORT

Specific warranty information and customer support contact details are not provided within this manual. Please refer to the product packaging, your purchase receipt, or the official HiKOKI website for warranty terms and contact information for technical support or service inquiries.