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> LiTHELi U20 Portable Charger 2.0Ah Lithium Battery Power Bank Instruction Manual

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Model: U20 2.0Ah

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your LiTHELi U20 Portable Charger 2.0Ah Lithium Battery Power Bank. Please read it thoroughly before use and retain it for future reference.

Product Overview

The LiTHELi U20 Portable Charger is a versatile 2.0Ah lithium battery power bank designed for both charging electronic devices and powering LiTHELi U20 series outdoor power equipment and DIY tools. It features a 45W maximum output and a two-way USB-C port for fast charging.



Image: The LiTHELi U20 Portable Charger 2.0Ah Lithium Battery Power Bank, shown with its included USB-C charging cable.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the product:

- Do not expose the battery to water or excessive moisture.
- Avoid dropping or subjecting the battery to severe impacts.
- Do not disassemble, modify, or attempt to repair the battery.

- Keep the battery away from heat sources, direct sunlight, and flammable materials.
- Store the battery in a cool, dry place when not in use.
- Use only compatible chargers and accessories.
- Do not short-circuit the battery terminals.

Integrated Protection Features

The LiTHELi U20 battery incorporates multiple protection technologies to ensure safe operation:

- Overheat protection
- Short circuit protection
- Over voltage protection
- Over current protection
- Over discharge protection
- Over charge protection

MULTI-PROTECTION TECHNOLOGY



Overheat protection



Short circuit protection



Over voltage protection



Over current protection



Over discharge protection



Over charge protection

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Image: Diagram illustrating the multi-protection technology integrated into the LiTHELi U20 battery, including safeguards against overheating, short circuits, over-voltage, over-current, over-discharge, and over-charge.

3. SETUP AND CHARGING

Initial Charge

Before first use, fully charge the LiTHELi U20 Portable Charger. The battery is equipped with a two-way USB-C port for convenient charging.

1. Take out the provided USB-C charging cable.
2. Insert one end of the charging cable into the Type-C port of the battery.
3. Connect the other end of the cable to a compatible USB-C power adapter (not included). For fastest charging, a 45W or 65W USB-C charger is recommended.
4. The battery's indicator lights will show the charging status.

THE FASTEST ONE HOUR FULL OF POWER

Two different charging methods



Step 1: Take out the charging cable.



Step 2: Insert the charging cable into the Type-C port of the battery.



Note: Requires a 65W charger (not included)



Note: Requires a 45W charger (not included)

Step 3: Two different charging methods, the fastest one hour full of power

Image: Step-by-step guide on how to charge the LiTHELi U20 battery using a USB-C cable and a compatible power adapter, highlighting the recommended 45W or 65W input for fast charging.

A full charge can be achieved in approximately 2 hours with a 45W charger, or as fast as 1 hour with a 65W charger (charger not included).

4. OPERATING INSTRUCTIONS

Using as a Power Bank

The LiTHELi U20 Portable Charger can charge various electronic devices:

- Connect your device (laptop, smartphone, tablet, drone, etc.) to the battery's USB-C port using a compatible charging cable.
- The battery provides up to 45W output, suitable for fast charging many modern devices.

45W FAST CHARGING

Charge Your Devices on the GO



Image: The LiTHELi U20 Portable Charger actively charging a smartphone and a laptop, demonstrating its 45W fast charging capability for various devices.

SMALL FOOTPRINT LARGE CAPACITY

Put it in your pocket



iPhone 16 Pro

6.1"

U Battery Plus

Mini

Image: A size comparison of the LiTHELi U20 Portable Charger with an iPhone 16 Pro, illustrating its compact and portable design.

Powering LiTHELi U20 Tools

This battery is designed to power LiTHELi U20 series gardening and DIY tools. Ensure the battery is fully charged before inserting it into a compatible tool.

- Align the battery with the battery compartment of your LiTHELi U20 tool.
- Slide the battery firmly into place until it clicks, indicating it is securely locked.
- To remove, press the battery release button (if applicable on the tool) and slide the battery out.

POWERFUL COMPATIBILITY

Effortlessly Handles All DIY Tasks



Image: An illustration showcasing the LiTHELi U20 Portable Charger's broad compatibility with over 100 LiTHELi U20 power tools and outdoor equipment.

COMPATIBLE WITH Litheli U20 TOOLS



Image: A display of various LiTHELi U20 tools, confirming the battery's compatibility across the U20 product line.



Image: A collage demonstrating various applications of the LiTHELi U20 battery, including powering lawnmowers, hedge trimmers, leaf blowers, and portable outdoor equipment like wagons and backpack sprayers.

5. MAINTENANCE AND STORAGE

General Care

- Keep the battery clean and free from dust and debris. Use a dry, soft cloth for cleaning.
- Do not use harsh chemicals or abrasive cleaners.
- Regularly inspect the battery for any signs of damage, such as cracks or swelling. Discontinue use if damage is observed.

Storage

- For long-term storage, charge the battery to approximately 50-70% capacity.
- Store the battery in a cool, dry environment, away from direct sunlight and extreme temperatures (ideally between 0°C and 25°C).

- Avoid storing the battery in temperatures below -20°C or above 55°C.
- Recharge the battery every 3-6 months during long-term storage to prevent deep discharge.

Disposal

Do not dispose of the battery with household waste. Lithium-ion batteries must be recycled or disposed of according to local regulations. Contact your local waste management authority for information on proper disposal.

6. TROUBLESHOOTING

If you encounter issues with your LiTHELi U20 Portable Charger, refer to the following common solutions:

Problem	Possible Cause	Solution
Battery not charging	<ul style="list-style-type: none"> • Charging cable not properly connected. • Incompatible or faulty charger/adapter. • Battery too hot or too cold. 	<ul style="list-style-type: none"> • Ensure cable is securely connected to both battery and power source. • Use a compatible USB-C PD charger (45W or higher recommended). • Move battery to a moderate temperature environment (0°C to 40°C) and allow it to adjust.
Device not charging from power bank	<ul style="list-style-type: none"> • Battery charge level is too low. • Charging cable for device is faulty or incompatible. • Device requires more power than 45W output. 	<ul style="list-style-type: none"> • Recharge the power bank. • Try a different charging cable for your device. • Verify your device's power requirements.
Battery indicator lights not working	<ul style="list-style-type: none"> • Battery is completely discharged. • Internal fault. 	<ul style="list-style-type: none"> • Attempt to charge the battery for an extended period. • If issue persists, contact customer support.

If the problem persists after attempting these solutions, please contact LiTHELi customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model	U20 2.0Ah
Battery Type	Lithium-ion (EV-grade cells)
Capacity	2.0Ah (20,000 mAh equivalent for power bank applications)
Voltage	20V
Max Power Output	45W
Charging Port	USB-C (Two-way input/output)
Dimensions (L x W x H)	10 x 5 x 3 inches

Feature	Detail
Operating Temperature	-20°C to 55°C (for stable performance)
Compatibility	LiTHELi U20 Power Tools, Smartphones, Laptops, Tablets, Drones, etc.

8. WARRANTY AND SUPPORT

Warranty Information

The LiTHELi U20 Portable Charger 2.0Ah Lithium Battery is covered by a **1-year limited 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, accident, unauthorized modification, or improper storage.



Image: Warranty details indicating 3 years for tools and 1 year for batteries, confirming the 1-year warranty period for this battery product.

Customer Support

For warranty claims, technical assistance, or any questions regarding your LiTHELi product, please contact LiTHELi customer support. You can typically find contact information on the official LiTHELi website or through your purchase platform.

Please have your product model number (U20 2.0Ah) and proof of purchase ready when contacting support.