

LiTHELi U20BY03

LiTHELi Portable Charger 4.0Ah Lithium Batteries 45W Max Power Bank

Model: U20BY03

Brand: LiTHELi

INTRODUCTION

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your LiTHELi Portable Charger 4.0Ah Lithium Power Bank. Please read this manual thoroughly before using the product to ensure proper functionality and to prevent damage or injury.

The U-Battery Plus power bank is designed to provide reliable power for a wide range of electronic devices and is compatible with Litheli U20 power tools, offering versatile functionality for both personal and outdoor use.

IMPORTANT SAFETY INFORMATION

- Do not disassemble, open, or shred the battery pack.
- Do not expose the battery pack to heat or fire. Avoid storage in direct sunlight.
- Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials.
- Do not subject battery pack to mechanical shock.
- In the event of battery leakage, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- Keep the battery pack clean and dry.
- Recharge only with the charger specified by LiTHELi.
- Do not use any charger other than that specifically provided for use with the equipment.
- Do not use any battery pack which is not designed for use with the equipment.

- Keep battery packs out of the reach of children.
- Observe the plus (+) and minus (-) marks on the battery and equipment and ensure correct use.
- The battery pack is designed with EV-grade cells, safe for extreme temperatures down to -20°C. However, avoid prolonged exposure to temperatures above 55°C.

PACKAGE CONTENTS

- LiTHELi Portable Charger 4.0Ah Lithium Power Bank (U20BY03)
- USB-C to USB-C Charging Cable
- User Manual

Note: Additional charging accessories or U20 tools are sold separately.

PRODUCT OVERVIEW



Figure 1: LiTHELi Portable Power Bank (U20BY03) with included USB-C cable.

MULTI-PROTECTION TECHNOLOGY



Overheat protection



Short circuit protection



Over voltage protection



Over current protection



Over discharge protection



Over charge protection



Figure 2: Internal view highlighting multi-protection technology including overheat, short circuit, over voltage, over current, over discharge, and over charge protection.

SMALL FOOTPRINT LARGE CAPACITY

Put it in your pocket



Iphone 16 Pro

U Battery Plus

6.1"

Mini

Figure 3: Compact size of the U-Battery Plus, comparable to a smartphone, demonstrating its portability.

Universal Compatibility Air Travel Friendly



Figure 4: The power bank's universal compatibility with various electronic devices and its air travel friendly design.

Components:

- **Power Button/Indicator:** Activates the power bank and displays charge status.
- **USB-C Ports (2-way):** For charging the power bank or charging compatible devices (up to 45W output).
- **USB-A Ports (Dual):** For charging compatible devices.
- **Tool Interface:** Connects directly to Litheli U20 power tools.

SETUP

First Use:

Before initial use, it is recommended to fully charge your LITHELi Portable Power Bank. This ensures optimal performance and battery longevity.

Checking Battery Level:

Press the power button on the power bank. The LED indicators will illuminate to show the current charge level. A full charge is indicated when all LEDs are solid.

OPERATING INSTRUCTIONS

Charging Electronic Devices:

1. Connect one end of a compatible USB cable (USB-C to USB-C, or USB-A to your device's port) to the appropriate port on the power bank.
2. Connect the other end of the cable to your electronic device (e.g., smartphone, tablet, laptop, drone).
3. The power bank will automatically begin charging your device. The LED indicators will show the power bank's remaining charge.
4. You can charge two devices simultaneously using the dual USB-A and two-way USB-C output ports.

45W FAST CHARGING

Charge Your Devices on the GO



Figure 5: The power bank's ability to fast charge multiple devices, including laptops, with its 45W output.

Powering Litheli U20 Tools:

The U-Battery Plus is designed to seamlessly integrate with Litheli U20 power tools, providing a portable and efficient power source for your outdoor and DIY projects.

1. Ensure the power bank is adequately charged.
2. Locate the battery compartment on your Litheli U20 tool.
3. Align the power bank with the tool's battery interface and firmly insert it until it clicks into place.
4. Refer to your specific Litheli U20 tool's manual for operating instructions.

POWERFUL COMPATIBILITY

Effortlessly Handles All DIY Tasks



Figure 6: The power bank's extensive compatibility with over 100 Litheli U20 products, including various power tools.

Demonstration of U20 Tool Compatibility:

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Video 1: Official Litheli video demonstrating the U20 Super Battery 4.0Ah in use with various Litheli U20 tools, including lawnmowers, string trimmers, leaf blowers, and hedge trimmers. It highlights the ease of battery installation and removal, and the versatility of the power bank across the tool line.

CHARGING THE POWER BANK

The U-Battery Plus can be recharged using its USB-C input port. For fastest charging, use a 45W or higher power delivery charger (not included).

1. Connect the provided USB-C to USB-C cable to one of the USB-C ports on the power bank.

2. Connect the other end of the USB-C cable to a compatible USB-C power adapter or charging port.
3. The LED indicators on the power bank will flash to indicate charging is in progress. Once fully charged, all LEDs will remain solid.

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

Figure 7: Illustration of charging the power bank using a USB-C cable, demonstrating fast charging capabilities with appropriate adapters.

MAINTENANCE

- Keep the power bank clean and dry. Wipe with a soft, damp cloth if necessary. Do not use harsh chemicals or abrasive cleaners.
- Store the power bank in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the power bank to approximately 50-70% every 3-6 months to maintain battery health.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Power bank not charging.	Charging cable or adapter is faulty; power bank is fully charged; charging port is dirty.	Try a different USB-C cable and power adapter. Check LED indicators. Clean the charging port gently.
Device not charging from power bank.	Power bank is depleted; device cable is faulty; device is incompatible; power bank is off.	Recharge the power bank. Try a different cable. Ensure your device is compatible. Press the power button to activate output.
Power bank not fitting into U20 tool.	Incorrect orientation; debris in tool's battery slot.	Ensure the power bank is inserted in the correct orientation. Check for and remove any debris from the tool's battery slot.

Problem	Possible Cause	Solution
Power bank gets warm during use/charging.	Normal operation; excessive load.	Slight warming is normal. If it becomes excessively hot, disconnect immediately and contact support. Avoid charging in direct sunlight or confined spaces.

SPECIFICATIONS

Feature	Detail
Model Number	U20BY03
Battery Capacity	4.0Ah / 20000mAh
Voltage	20 Volts
Max Power Output	45W
Output Ports	Dual USB-A, Two-way USB-C
Product Dimensions (L x W x H)	6.89 x 4.84 x 1.93 inches
Item Weight	1.44 pounds
Operating Temperature Range	-20°C to 55°C (EV-grade cell)

WARRANTY AND SUPPORT

LiTHELi products are manufactured to high-quality standards. This power bank is covered by a manufacturer's warranty. While specific warranty details are not provided in this manual, typically LiTHELi batteries come with a 1-year warranty.

For detailed warranty information, technical support, or service inquiries, please visit the official LiTHELi website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Official LiTHELi Store: [LiTHELi Amazon Store](#)

