LiTHELi U20EH15-0A200-US

Litheli 288 Series Portable Power Station User Manual

Model: U20EH15-0A200-US

1. IMPORTANT SAFETY INFORMATION

Please read and understand all safety instructions before operating the Litheli 288 Series Portable Power Station. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, heat sources, and direct sunlight.
- Avoid exposure to water, rain, or high humidity.
- Do not use the unit in environments with strong static electricity or magnetic fields.
- Ensure proper ventilation during use to prevent overheating.
- Keep out of reach of children and pets.
- Use only original or certified accessories.
- Dispose of the unit and its batteries according to local regulations.

2. PRODUCT OVERVIEW

The Litheli 288 Series Portable Power Station is a versatile and compact power solution designed for outdoor activities, emergency backup, and general portable power needs. It features a 287Wh capacity, 300W AC output, and multiple charging options.

Key Features:

- **Efficient Charging:** BlitzFull fast charging technology allows 0-95% charge in 50 minutes.
- **Rich Output Interface:** Simultaneously charge up to 5 devices with 300W AC, 100W USB-C, 20W USB-

C, 18W USB-A, and 126W car cigarette lighter outputs.

- **Rich Input Interface:** Supports AC (120V~ 50Hz/60Hz 2.5A max), solar panel (11.3-30V 8A, 150W max), car charger (12V 8A, 100W max), and Type-C (5V 3A/9V 3A/12V 3A/15V 3A/20V 5A, 100W max) input methods.

- **Universal Battery System:** Includes 2 x 74Wh battery banks compatible with Litheli U20SE 4.0Ah series products.

- **Quiet Operation:** Operates at a low noise level of 28 dB.

- **Durable Design:** Made of fireproof and strong material, designed for reliability.

Figure 2.1: Front view of the Litheli 288 Series Portable Power Station, showing the display and various output ports.
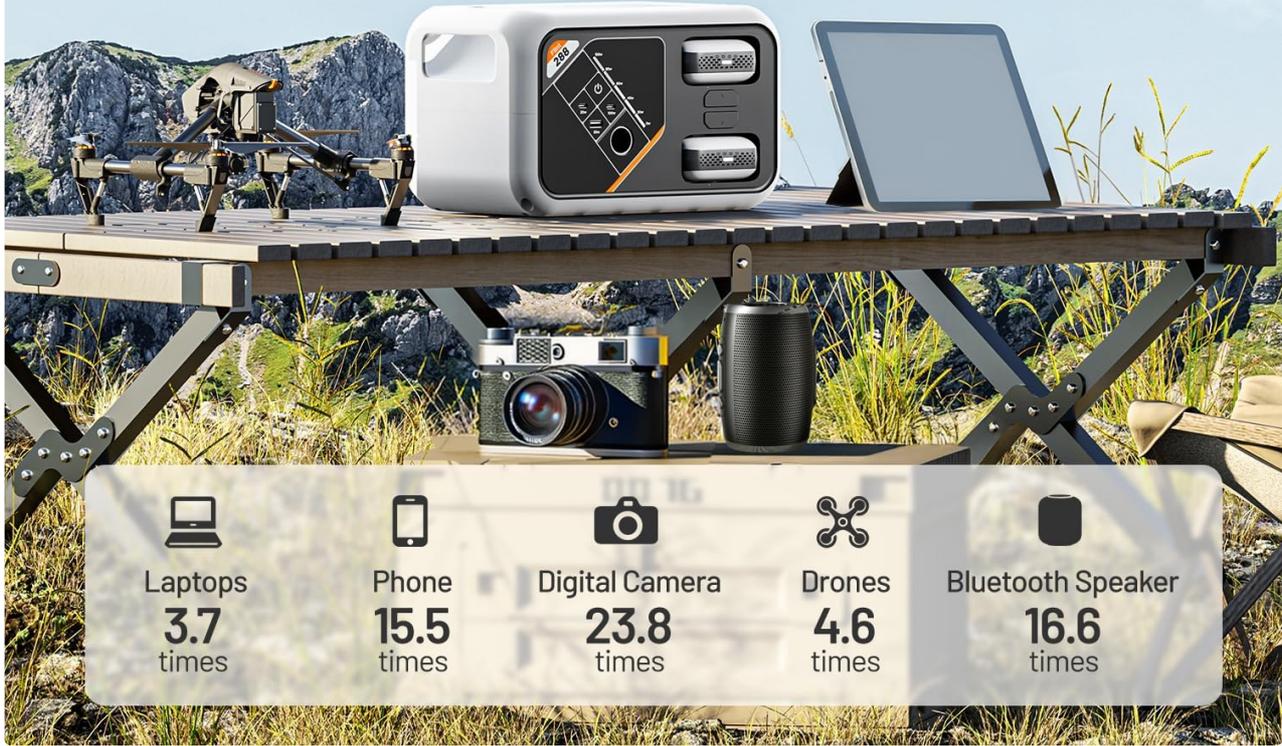
Figure 2.2: Side view of the Litheli 288 Series Portable Power Station, highlighting its compact design.

Potable Light And Sturdy

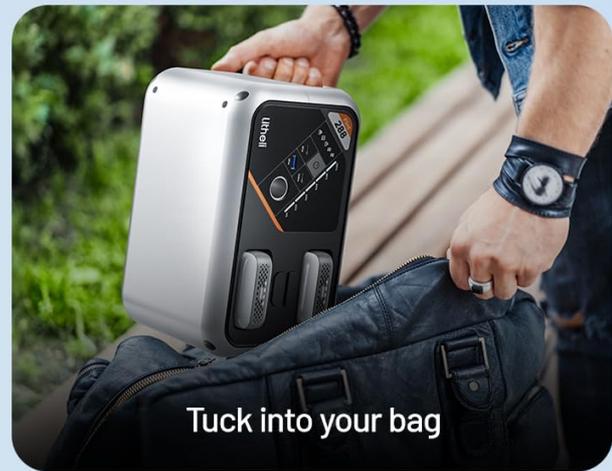Made of fireproof and strong material

Tuck into your bag

Figure 2.3: Rear view of the Litheli 288 Series Portable Power Station, showing the AC output and input ports.
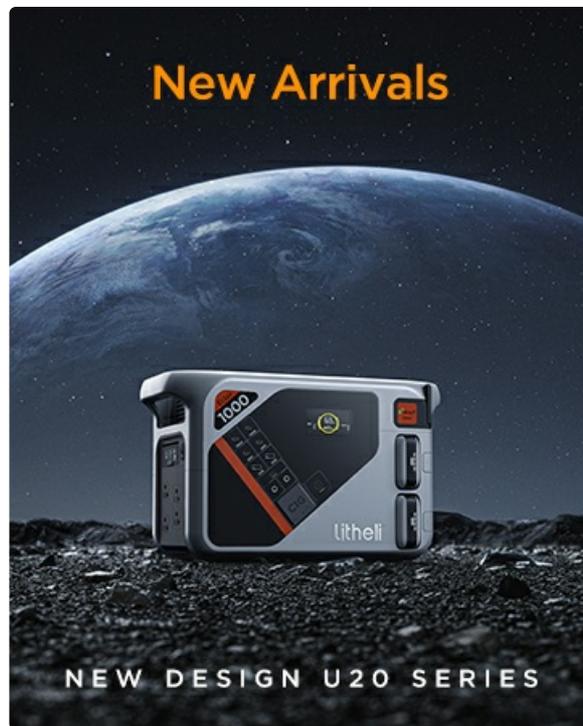
Figure 2.4: The Litheli 288 Power Station with its U20 IPS Super Battery components, totaling 287Wh capacity.

3. What's Included

The Litheli 288 Series Portable Power Station kit includes the following items:

- 1 x Litheli 288 Portable Generator (Main Unit)
- 2 x Litheli U20SE 4.0Ah Rechargeable Lithium-Ion Batteries (74Wh each)
- 1 x AC Charging Cable
- 2 x USB Charging Cables
- 1 x Vehicle Charging Cable
- 1 x Product Instruction Manual

Figure 3.1: Visual representation of the items included in the Litheli 288 Series Portable Power Station package.

4. Setup and Initial Charging

Before first use, ensure the power station is fully charged. The unit supports multiple charging methods.

4.1 AC Wall Charging

Connect the provided AC charging cable to the AC input port on the rear of the power station and plug it into a standard 120V wall outlet. The BlitzFull fast charging technology can charge the unit from 0-95% in approximately 50 minutes.

Figure 4.1: The power station connected to an AC wall outlet for fast charging, capable of reaching 95% in 50 minutes.

4.2 Solar Panel Charging

Connect a compatible solar panel (11.3-30V 8A, 150W max) to the solar input port on the power station. Optimal charging times depend on sunlight intensity. A full charge can be achieved in approximately 65 minutes under ideal solar conditions.

Figure 4.2: The power station connected to a solar panel for recharging, demonstrating its outdoor charging capability.

4.3 Car Charger Charging

Use the provided vehicle charging cable to connect the power station to your car's 12V cigarette lighter outlet (100W max). This allows for convenient recharging while traveling.

FULLY RECHARGE IN 50 MINUTES WITH AC CHARGING!

Our energy storage solution features ultra-fast AC charging, powering up in just 60 minutes. Perfect for outdoor adventures, home backup, or emergencies—stay powered up quickly and reliably!

300W AC Input

Figure 4.3: The power station being charged via a car's 12V outlet, ideal for on-the-go power.

4.4 Type-C Charging

The power station can also be charged via its 100W Type-C input port. Connect a compatible Type-C charger to this port for fast and efficient charging.

65-MINUTE SOLAR CHARGING FOR FULL POWER!

Efficiently recharge your energy storage in just 65 minutes using solar panels. Fast, and reliable—stay powered up with clean energy anytime, anywhere.

150W Solar Input

Figure 4.4: The power station charging via its 100W Type-C input, offering a modern charging solution.

Your browser does not support the video tag.

Video 4.1: An overview of the Litheli 288 power station, demonstrating its compact size and various charging capabilities for different devices.

5. OPERATING THE POWER STATION

The Litheli 288 Series Portable Power Station offers multiple output ports to power a wide range of devices.

5.1 Powering On/Off

Press and hold the main power button on the front panel to turn the unit on or off. The display will illuminate to indicate the unit is active.

5.2 Using AC Outlets

To use the 300W AC outlet, plug your device into the AC output port on the rear of the power station. Press the 'AC' button located next to the AC output port to activate it. The AC output is 120V 2.5A.

5.3 Using USB and Car Outlets

The front panel features multiple DC output ports:

- 1 x USB-C 100W (maximum)

- 1 x USB-C 20W (maximum)

- 1 x USB-A 18W (maximum)

- 1 x Car Cigarette Lighter 126W (maximum)

Simply plug your compatible devices into the respective ports. These ports are generally active when the unit is powered on.

Figure 5.1: The power station simultaneously charging a laptop, phone, digital camera, drone, and Bluetooth speaker, showcasing its versatile output options.

5.4 Swappable Battery Packs

The Litheli 288 Series includes two 74Wh U20SE 4.0Ah battery banks. These batteries are interchangeable and can be used with other Litheli U20SE 4.0Ah series products, such as lawn mowers. This modular design allows for extended runtime by swapping out depleted batteries with fully charged ones.

Figure 5.2: The power station highlighting its compatibility with two 74Wh Litheli U20 Series power banks, extending its total

capacity to 287Wh.

6. Maintenance and Storage

6.1 General Care

- Clean the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Ensure all ports are free of dust and debris.
- Avoid dropping or subjecting the unit to strong impacts.

6.2 Storage

- Store the power station in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, charge the unit to approximately 50-80% every 3-6 months to maintain battery health.
- Do not store the unit with depleted batteries for extended periods.

7. Troubleshooting

If you encounter issues with your Litheli 288 Series Portable Power Station, refer to the following common solutions:

7.1 Unit Not Turning On

- Ensure the battery is sufficiently charged.
- Press and hold the power button for a few seconds to ensure it registers.
- If using swappable batteries, ensure they are properly seated in their compartments.

7.2 AC Output Not Working

- Ensure the 'AC' button next to the AC output port is pressed to activate the AC function.
- Verify that the connected device does not exceed the 300W AC output limit. Overloading will trigger protection mechanisms.
- Check the AC cable connection to both the power station and the device.

7.3 Charging Issues (Input)

- **AC Input:** Ensure the AC charging cable is securely connected and the wall outlet is functional.
- **Solar Input:** Verify solar panels are correctly connected, facing direct sunlight, and within the specified voltage/wattage range (11.3-30V 8A, 150W max). Cloudy conditions or incorrect panel orientation will reduce charging efficiency.
- **Car Charger Input:** Ensure the vehicle charging cable is properly connected to the car's 12V outlet and the power station.
- **Type-C Input:** Use a compatible Type-C charger and cable, ensuring it supports the required wattage (up

to 100W).

If problems persist after attempting these troubleshooting steps, please contact Litheli customer support for assistance.

8. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	LiTHELi
Model Name	U20EH15-0A200-US
Capacity	287Wh (139Wh Power Station + 2 x 74Wh U20 Batteries)
AC Output	300W (120V~ 2.5A)
DC Output (USB-C 1)	100W Max
DC Output (USB-C 2)	20W Max
DC Output (USB-A)	18W Max
DC Output (Car Cigarette Lighter)	126W Max
AC Input	120V~ 50Hz/60Hz 2.5A Max
Solar Panel Input	11.3-30V 8A, 150W Max
Car Charger Input	12V 8A, 100W Max
Type-C Input	5V 3A/9V 3A/12V 3A/15V 3A/20V 5A, 100W Max
Item Weight	7.7 Pounds
Product Dimensions	11.2"L x 7.1"W x 6.9"H
Material	Metal (Frame, Housing), Plastic/Rubber (Electrical Components), Lithium-Ion (Battery)
UPC	740907589481

9. WARRANTY AND SUPPORT

Litheli provides the following warranty for your product:

- **Whole Machine:** 3 Years Warranty
- **Batteries:** 2 Years Warranty

If you encounter any problems with the product, please contact Litheli customer support. They aim to reply within 24 hours.

For further assistance, visit the official Litheli Store on Amazon.