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BLUETTI BLUETTI Handsfree2

BLUETTI Solar Generator Handsfree 2 Backpack Instruction Manual

Model: BLUETTI Handsfree2

Product Overview

The BLUETTI Solar Generator Handsfree 2 Backpack is an integrated portable power solution designed for outdoor enthusiasts, photographers, and travelers. It combines a powerful solar generator with a spacious backpack, offering convenient power on the go.

- **All-in-One Backpack Solar Generator:** Integrated with a 512Wh solar generator and a 60L outdoor backpack, this system handsfreely juices your phone, camera, and camping gear.
- **Ideal Drone Backpack for Photographers:** Features a 700W AC outlet, 2 USB-C, and 2 USB-A ports to charge up to 5 devices simultaneously. A dedicated compartment stores photography gear neatly.
- **Efficient Solar Recharge:** Fully charges in 2 hours with 350W solar input. The power station intelligently stops and resumes charging in varying sunlight conditions for maximum efficiency.
- **Rugged Outdoor Backpack:** Built for outdoor adventures with IPX4 water resistance, 180° opening, 66 lbs load capacity, MOLLE system, and ErgoBLUE support system for comfort and durability.



Figure 1: BLUETTI Handsfree 2 Backpack with the integrated power station visible.

Setup

Before first use, ensure all components are present and the power station is fully charged.

1. **Unpack Components:** Carefully remove the BLUETTI solar generator Handsfree 2, 60L Bluepack 2, AC charging cable, solar charging cable, grounding screw, and user manual from their packaging.

2. **Assemble Backpack:** The 60L Bluepack 2 is shipped separately. Integrate the power station into its dedicated compartment within the backpack. Ensure it is securely placed.
3. **Initial Charge (AC):** Connect the AC charging cable to the power station and a wall outlet. The display will show charging progress. A full charge takes approximately 1.5 hours.
4. **Solar Panel Connection (Optional):** If using a solar panel (sold separately), connect the solar charging cable to the power station's DC/PV input port. Ensure the solar panel is placed in direct sunlight for optimal charging.



Figure 2: The Handsfree 2 Backpack with the power station inserted, ready for use.

Operating Instructions

The Handsfree 2 Power Station offers multiple output ports for various devices.

- **Powering On/Off:** Press and hold the power button on the power station's display panel to turn it on or off.
- **DC Output:** The power station features 2 USB-C (100W each) and 2 USB-A (15W each) ports. Press the 'DC' button on the display to activate these ports.
- **AC Output:** The power station has 1 AC outlet (700W). Press the 'AC' button on the display to activate the AC output.
- **Charging Devices:** Connect your devices to the appropriate USB or AC ports. The display will show the output wattage.
- **Charging On-the-Go:** The power station is designed for easy access while wearing the backpack. Utilize the side openings to connect devices without removing the pack.



Figure 3: The power station can charge up to 5 devices simultaneously, including drones, cameras, smartphones, and laptops.

Official Product Video: Handsfree Parameters and Functions Overview

Your browser does not support the video tag.

Video 1: This official video from BLUETTI provides a detailed overview of the Handsfree 2's parameters and functions, demonstrating its various ports and capabilities.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your BLUETTI Handsfree 2.

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the power station and backpack. Avoid using harsh chemicals or abrasive materials.
- **Storage:** Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the battery is charged to at least 50% before long-term storage.
- **Battery Health:** For optimal battery life, avoid fully discharging the unit frequently. Recharge it regularly, even if not in use.
- **Ventilation:** Ensure the ventilation grilles on the power station are clear of obstructions to prevent overheating.

Troubleshooting

Common issues and their solutions.

Problem	Possible Cause	Solution
Power station not turning on.	Low battery; Power button not pressed long enough.	Charge the power station; Press and hold the power button for 3-5 seconds.
Devices not charging.	Output ports not activated; Cable issue; Device not compatible.	Press DC/AC button to activate ports; Try a different cable; Check device power requirements.
Overheating warning on display.	Blocked ventilation; Excessive load.	Ensure vents are clear; Reduce connected load; Allow unit to cool down.
Solar charging is slow or not working.	Insufficient sunlight; Incorrect panel angle; Dirty panel; Cable issue.	Move to direct sunlight; Adjust panel angle; Clean panel surface; Check cable connections.

Specifications

- **Brand:** BLUETTI
- **Model Name:** BLUETTI Handsfree2
- **Wattage:** 512 Watt-hours
- **Power Source:** Solar Powered
- **Item Weight:** 16.5 Pounds (Power Station)
- **Product Dimensions:** 15.2"L x 4.1"W x 12"H (Power Station)
- **Material:** Nylon (Backpack)
- **Backpack Capacity:** 60L
- **Special Feature:** Portable
- **Included Components:** BLUETTI Handsfree 2 power station, 60L Bluepack 2, AC charging cable, solar charging cable, grounding screw, user manual.

Warranty & Support

BLUETTI products typically come with a manufacturer's warranty. Please refer to the included user manual for specific warranty terms and conditions.

- **Protection Plans:** Optional 3-Year and 4-Year Protection Plans are available for extended coverage.
- **Return Policy:** A 30-day refund/replacement return policy is typically offered.
- **Manufacturer Support:** For further assistance or inquiries, please visit the official BLUETTI Store or contact their customer service.

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