BLUETTI BLUETTI Elite 100 V2+100W

BLUETTI Elite 100 V2 Portable Power Station User Manual

Model: BLUETTI Elite 100 V2+100W

1. INTRODUCTION

The BLUETTI Elite 100 V2 Portable Power Station is a versatile and compact solar generator designed to provide reliable power for various applications, including camping, emergencies, and home backup. This manual provides detailed instructions on setting up, operating, and maintaining your device to ensure optimal performance and longevity.

Figure 1: BLUETTI Elite 100 V2 Portable Power Station with included 100W Solar Panel.

This kit includes the Elite 100 V2 unit and a 100W solar panel, offering an integrated solution for off-grid power. Its robust design and advanced features make it an essential tool for modern power needs.

2. Key Features

- **Optimized Solar Charging:** The kit includes an Elite 100 V2 and a 100W solar panel, allowing for full charging in approximately 7 hours under optimal conditions.

- **Compact and Portable:** The Elite 100 V2 weighs 25 lbs and features a compact design (12.6"L x 8.5"W x 9.8"H), making it 35% smaller than previous models. It includes a hidden handle for easy transport.

- **High Power Output:** With a 1024Wh capacity, the Elite 100 V2 solar generator delivers 1800W AC output and features 11 versatile ports for powering multiple devices simultaneously. It supports Power Lifting up to 2700W for demanding appliances.

- **Reliable Emergency Backup:** Features seamless UPS functionality with less than 10ms switchover time, protecting sensitive electronics during power outages. Operates silently at library-level 30dB.

- **Durable LiFePO4 Battery:** Equipped with ultra-safe LiFePO4 battery cells, offering a 10-year lifespan and over 4000 charge cycles to 80% capacity.

More Power for Less

Monocrystalline solar cells
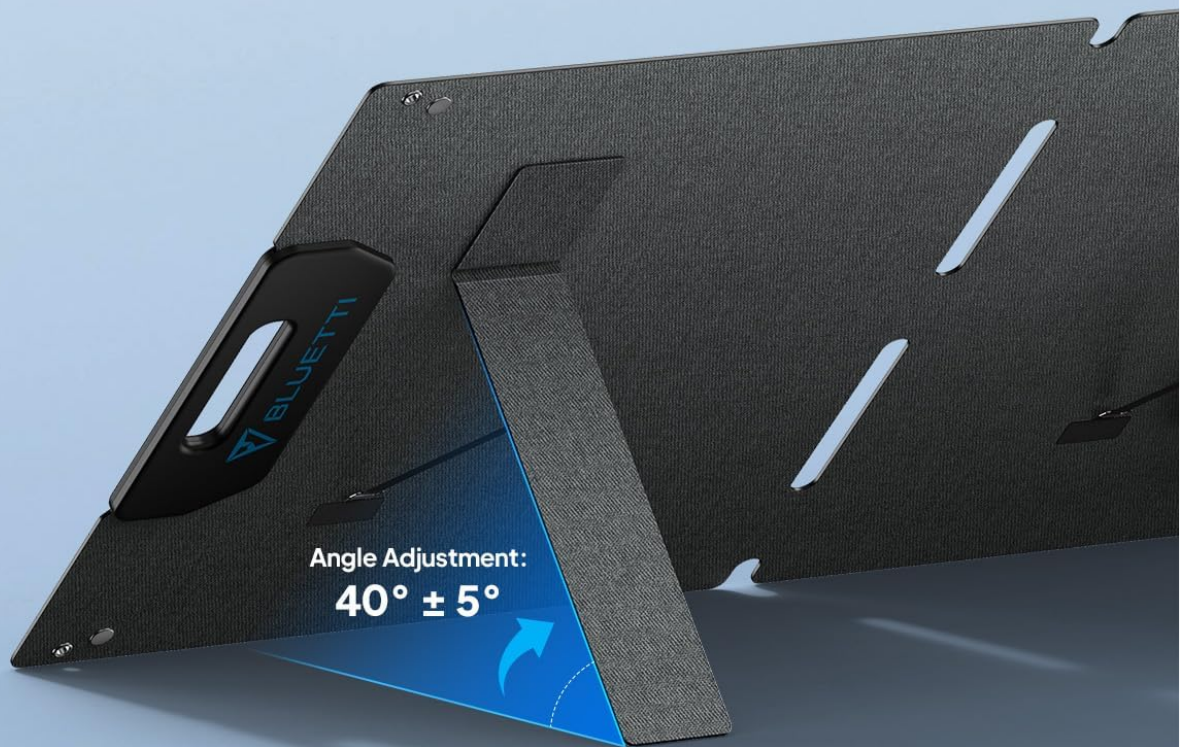
Cell efficiency
23.4%

Output power
100W Max.

OCV
24.6V

Cell Efficiency
23.4%

Figure 2: Compact design for easy portability.

Beef up Productivity

Angle Adjustment:
40° ± 5°

* BLUETTI SP100L gets **35%~45%** more sunlight by adjusting its kickstands to a perfect angle.

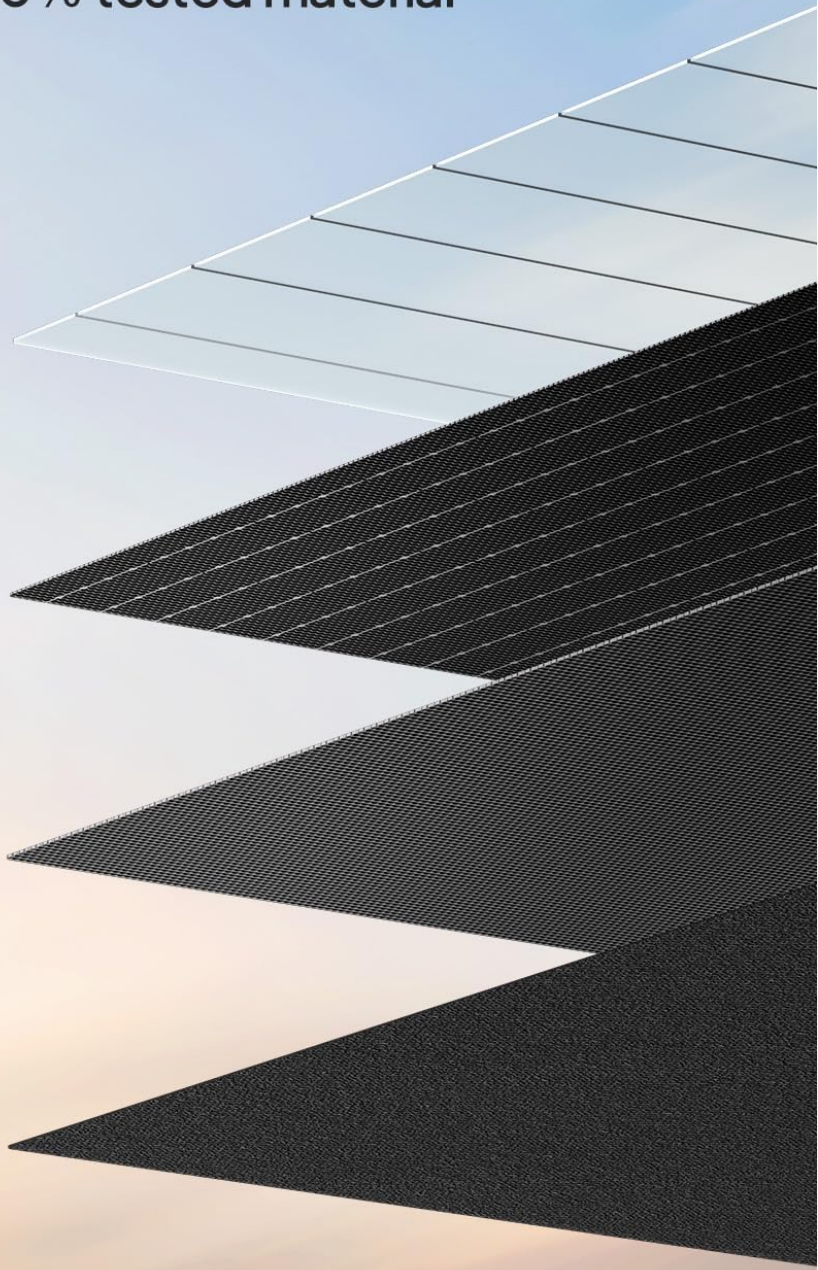Figure 3: Seamless UPS functionality for uninterrupted power.

Figure 4: Whisper-quiet operation for peaceful use.

3. SETUP

Before first use, ensure your BLUETTI Elite 100 V2 is fully charged. Unpack all components and place the power station on a stable, flat surface.

3.1 Unboxing and Initial Inspection

Video 1: BLUETTI Elite 100 V2 Unboxing & Overview. This video provides a visual guide to unpacking and identifying all

Verify that all items listed in the 'What You Get' section of your packaging are present and undamaged. This includes the BLUETTI Elite 100 V2 portable power station, 100W solar panel (shipped separately), AC/solar charging cable, grounding screw, and user manual.

4. OPERATING INSTRUCTIONS

The BLUETTI Elite 100 V2 is designed for intuitive operation. Familiarize yourself with the control panel and output ports.

4.1 Control Panel Overview

Figure 5: Detailed view of the Elite 100 V2 control panel and ports.

- **Power Button:** Press to turn the unit ON/OFF.
- **DC Output Button:** Activates/deactivates DC output ports.
- **AC Output Button:** Activates/deactivates AC output ports.
- **LCD Display:** Shows battery level, input/output wattage, and status indicators.

4.2 Powering Devices

Connect your devices to the appropriate output ports. The Elite 100 V2 can power up to 11 devices simultaneously.

Figure 6: Powering various devices with the Elite 100 V2.

4.3 App Control

Download the BLUETTI app to monitor and control your power station remotely via Bluetooth or Wi-Fi. The app allows for customizable charge modes, real-time status updates, and battery alerts.

Video 2: BLUETTI Elite 100 V2 App Control Demonstration. This video illustrates how to use the mobile app for remote control and monitoring.

5. Charging Methods

The BLUETTI Elite 100 V2 offers multiple charging options to suit your needs.

5.1 AC Charging

Connect the AC charging cable to a standard wall outlet. The unit supports up to 1200W Max AC input, allowing for 0-80% charge in approximately 45 minutes.

5.2 Solar Charging

Connect the 100W solar panel (or other compatible solar panels) to the DC/PV input port. The built-in MPPT controller optimizes solar input for efficient charging, achieving a full charge in about 7 hours.

Just Fold, Then Go
Foldable | Portable

1.2 in

9.9 lbs
Weight

22.2 in

23.4 in

23.4 in

44.5 in

Figure 7: Solar panel connection for efficient charging.

5.3 Car Charging

Charge your power station on the go using your vehicle's 12V/24V car outlet. For faster charging, consider using the optional BLUETTI Charger 1 (560W Max), which can fully charge the unit in approximately 1.8 hours.

5.4 Dual Charging

Combine AC and solar input for maximum charging speed. This allows for a full charge in as little as 70 minutes, providing reliable power for home backup or off-grid living.

6. MAINTENANCE

To ensure the longevity and optimal performance of your BLUETTI Elite 100 V2, follow these maintenance guidelines:

- **Regular Charging:** For best battery health, fully charge the unit at least once every 3-6 months if not in regular use.
- **Storage:** Store the power station in a cool, dry place away from direct sunlight and extreme temperatures.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Avoid using harsh chemicals or abrasive materials.
- **Battery Care:** The LiFePO4 battery is designed for durability, but avoid completely draining the battery frequently to prolong its lifespan.

7. TROUBLESHOOTING

If you encounter any issues with your BLUETTI Elite 100 V2, refer to the following common troubleshooting tips:

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to a power source. Check the power button for proper engagement.
- **No Output from Ports:** Verify that the DC or AC output buttons are activated. Check if the device connected requires more power than the port can provide.
- **Slow Charging:** For solar charging, ensure panels are in direct sunlight and free from obstructions. Check cable connections. For AC charging, ensure the wall outlet is functioning correctly.
- **Overload Protection:** If an overload occurs, the unit will shut down. Disconnect the overloaded device and restart the power station.

For more complex issues or if troubleshooting steps do not resolve the problem, please contact BLUETTI customer support.

8. SPECIFICATIONS

Feature	Specification
Brand	BLUETTI
Model Name	BLUETTI Elite 100 V2+100W
Wattage	1024 Watt-hours
AC Output	1800W (2700W Power Lifting)
Fuel Type	Electric
Power Source	Solar Powered

Feature	Specification
Item Weight	25 Pounds
Voltage	120 Volts
Product Dimensions	12.6"L x 8.5"W x 9.8"H
Included Components	User manual, 100W Solar panel (shipped separately), grounding screw, BLUETTI Elite 100 V2, AC/Solar charging cable

9. WARRANTY AND SUPPORT

BLUETTI products come with a comprehensive warranty. Please refer to the warranty card included in your package for specific terms and conditions. For technical support, troubleshooting, or warranty claims, please contact BLUETTI customer service through their official website or the contact information provided in your product documentation.

BLUETTI is committed to providing excellent after-sales service and support to ensure your satisfaction with their products.

Related Documents - BLUETTI Elite 100 V2+100W

AC180 Portable Power Station User Manual ⌄ BLUETTI	**BLUETTI AC180 Portable Power Station User Manual** Comprehensive user manual for the BLUETTI AC180 Portable Power Station, detailing its features, operation, safety instructions, and specifications. Learn how to charge, discharge, and utilize the BLUETTI app for optimal performance.
AC180P Portable Power Station User Manual ⌄ BLUETTI	**BLUETTI AC180P Portable Power Station User Manual | Features, Specs, Operation** Comprehensive user manual for the BLUETTI AC180P portable power station. Learn about its features, specifications, charging, discharging, safety instructions, and troubleshooting.

AC200L Portable Power Station User Manual v3.3	[BLUETTI AC200L Portable Power Station User Manual](#) User manual for the BLUETTI AC200L Portable Power Station, covering safety instructions, product overview, charging, discharging, settings, troubleshooting, and specifications.
BLUETTI EB55 User Manual	[BLUETTI EB55 Portable Power Station User Manual](#) User manual for the BLUETTI EB55 portable power station. Learn about safety, operation, specifications, charging methods (AC, PV, Car, Generator, Dual), discharging capabilities, and FAQs.
BLUETTI EB3A User Manual	[BLUETTI EB3A Portable Power Station User Manual](#) Comprehensive user manual for the BLUETTI EB3A portable power station, covering safety, specifications, operation, charging methods, and troubleshooting. Learn how to use your EB3A for various power needs.
AC180P Portable Power Station User Manual	[BLUETTI AC180P Portable Power Station: User Manual & Guide](#) Comprehensive user manual for the BLUETTI AC180P portable power station, detailing its 1800W output, 1440Wh LiFePO4 battery, operation, safety, specifications, and troubleshooting for reliable off-grid power.