OUKITEL P1500 PLUS

OUKITEL P1500 PLUS Solar Generator User Manual

Model: P1500 PLUS

1. IMPORTANT SAFETY INSTRUCTIONS

Read all safety instructions carefully before operating the OUKITEL P1500 PLUS Solar Generator. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not disassemble, repair, or modify the unit.
- Do not place the unit near fire or expose it to high temperatures.
- Do not use or store the unit in a bathroom or in areas exposed to water or rain.
- Do not use the unit if it is damaged or has been dropped.
- Keep the unit out of reach of children and pets.
- Ensure proper ventilation during use to prevent overheating.
- Use only original or certified charging cables and accessories.
- Dispose of the unit and its battery according to local regulations.

2. PRODUCT OVERVIEW

The OUKITEL P1500 PLUS is a portable solar generator designed to provide reliable power for various applications, from outdoor adventures to emergency home backup. It features a 1536Wh LiFePO4 battery and an 1800W AC output.

Key Features:

- **High Capacity:** 1536Wh LiFePO4 battery for extended power supply.
- **Powerful Output:** 1800W AC output to power essential appliances.
- **Multiple Ports:** Equipped with AC outlets, USB-C, USB-A, DC, and car port.
- **Fast Charging:** Supports 1200W AC fast charging and solar input.
- **APP Control:** Remote management and monitoring via a dedicated application.

- **UPS Function:** Uninterruptible Power Supply capability with a 10ms switch-over time.
- **Durable Battery:** LiFePO4 battery cells offer over 4000 charge cycles.

Port Layout

Image: The front panel of the OUKITEL P1500 PLUS, clearly showing the layout and labels for all output ports, including AC outlets, USB-A, USB-C, DC ports, and the car port.

3. WHAT'S INCLUDED

The OUKITEL P1500 PLUS package includes the following items:

- OUKITEL P1500 PLUS Solar Generator

- AC charging cable

- MC4 XT60 cable (for solar panel connection)

- Instruction manual

4. Setup and Charging

Initial Setup

Before first use, it is recommended to fully charge the OUKITEL P1500 PLUS. Connect the power station to a suitable power source using one of the charging methods described below.

Charging Methods

Image: An illustration showing the OUKITEL P1500 PLUS being charged via AC wall outlet and solar panels, with estimated charging times for each method.

- **AC Charging (1200W):** Connect the AC charging cable to a wall outlet. Full charge in approximately 1 hour 40 minutes.
- **Solar Charging (500W):** Connect compatible solar panels (not included) to the MC4 XT60 input. Full charge in approximately 3 hours 20 minutes (under optimal sunlight).
- **Car Charging (12V/24V):** Use a car charger (not included) to charge from your vehicle's cigarette lighter port. Full charge in approximately 12 hours (12V) or 6 hours (24V).
- **AC + Solar Charging (1700W):** Combine AC and solar input for the fastest charging. Full charge in approximately 59 minutes.

5. Operating the Power Station

Powering On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The digital display will illuminate upon activation.

Using Output Ports

- **AC Outlets:** Press the AC power button to activate the AC output. Connect your devices to the AC ports. Ensure the total power consumption does not exceed 1800W.
- **DC Ports (USB-A, USB-C, Car Port):** Press the DC power button to activate the DC output. Connect your USB-powered devices or 12V appliances.

Digital Display

The integrated digital display shows real-time information including battery level, input power, output power, and remaining run/charge time. Refer to the display for operational status.

APP Control

The OUKITEL P1500 PLUS can be controlled remotely via a smartphone application. Download the official OUKITEL app from your device's app store. Follow the in-app instructions to pair your power station.

Image: A person interacting with the OUKITEL P1500 PLUS using a smartphone application, demonstrating remote control capabilities.

Uninterruptible Power Supply (UPS) Function

When connected to an AC wall outlet and simultaneously powering devices, the P1500 PLUS can act as an Uninterruptible Power Supply. In case of a power outage, it automatically switches to battery power within 10 milliseconds, ensuring continuous operation for connected electronics like computers or servers.

Image: The OUKITEL P1500 PLUS connected to a desktop computer setup, illustrating its seamless 10ms UPS function during a simulated power disruption.

6. Maintenance and Storage

Battery Care

The OUKITEL P1500 PLUS uses LiFePO4 battery cells, known for their longevity and safety. These batteries are designed for over 4000 charge cycles, maintaining good health for at least 10 years with regular use.

Safest LiFePO4 Batteries

Safety always comes first priority. P1500 Plus is equipped with the safest LiFePO4 battery, known for their strong thermal stability, extended cycle life, and enhanced safety compared to other battery types.

4000 Times
LFP Battery Charge Cycles

10 Years
Maintain good health for at least

Image: A transparent view of the OUKITEL P1500 PLUS, highlighting the internal structure and the LiFePO4 battery cells, emphasizing their robust design and long lifespan.

- To prolong battery life, avoid fully discharging the unit frequently.
- Charge the unit to 80% every 3-6 months if not in use.

Cleaning

Use a dry, soft cloth to wipe the exterior of the unit. Do not use harsh chemicals or abrasive materials. Keep ventilation openings clear of dust and debris.

Storage

Store the unit in a cool, dry place away from direct sunlight and extreme temperatures. Ensure the unit is

charged to at least 50% before long-term storage.

7. TROUBLESHOOTING

If you encounter issues with your OUKITEL P1500 PLUS, refer to the following common troubleshooting steps:

- **Unit not turning on:** Ensure the battery is charged. Connect to an AC outlet for charging.
- **No output from ports:** Verify that the specific output (AC or DC) is activated by pressing its respective button. Check if the device connected is within the power station's output limits.
- **Overload warning:** If an overload warning appears on the display, disconnect some devices to reduce the load. The unit may automatically shut down to protect itself.
- **Charging issues:** Check all cable connections. Ensure the power source is functional. For solar charging, confirm solar panels are correctly positioned and receiving adequate sunlight.
- **APP connection issues:** Ensure Bluetooth is enabled on your smartphone and the power station is within range. Restart both the app and the power station if necessary.

For persistent issues, please contact OUKITEL customer support.

8. TECHNICAL SPECIFICATIONS

Below are the detailed specifications for the OUKITEL P1500 PLUS Solar Generator:

Smaller Size Only 31.30lB
Compared with similar products

LB
31.30lb

H:9.88in

L:13.62in

W:8.97in

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1536Wh

Image: A visual representation of the OUKITEL P1500 PLUS with its length, width, height, and weight clearly indicated.

Specification	Value
Model Name	P1500 PLUS
Battery Type	LiFePO4
Capacity	1536Wh
AC Output Power	1800W (Pure Sine Wave)
Peak Power	3600W

AC Input (Charging)	1200W Max
Solar Input	500W Max (MC4 XT60)
Car Input	12V/24V
USB-A Output	2x 5V/2.4A, 1x QC3.0 20W
USB-C Output	1x 100W PD, 1x 20W PD
DC Output	2x 12V/3A (DC5521)
Car Port Output	1x 12V/10A
UPS Switch-over Time	<10ms
Product Dimensions	13.62"L x 9.88"W x 8.98"H
Item Weight	31 lbs

9. WARRANTY AND SUPPORT

The OUKITEL P1500 PLUS Solar Generator comes with a manufacturer's warranty. Please refer to the warranty card included in your package for specific terms, conditions, and duration.

For technical support, warranty claims, or any questions regarding your product, please contact OUKITEL customer service through their official website or the contact information provided in your warranty documentation.