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> OUKITEK P2001 Plus Power Station User Manual

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Model: P2001 Plus

1. INTRODUCTION

Thank you for choosing the OUKITEK P2001 Plus Power Station. This portable power solution is designed to provide reliable electricity for various applications, from home backup during power outages to outdoor adventures like camping. With a robust 2400W AC output and a 2048Wh capacity, it can power a wide range of appliances. This manual provides essential information for safe and efficient operation, setup, maintenance, and troubleshooting. Please read it thoroughly before using the device.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the device:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from heat sources, direct sunlight, and flammable materials.
- Do not expose the unit to water or other liquids.
- Ensure proper ventilation during use and charging to prevent overheating.
- Keep out of reach of children and pets.
- Use only original or certified accessories.
- In case of fire, use a dry powder fire extinguisher. Water may cause electric shock.

3. PRODUCT OVERVIEW

The OUKITEK P2001 Plus Power Station features multiple output ports, a clear display, and robust construction for reliable power delivery.

Laden Sie fast alle Geräte

2048Wh

2000Wh



Microwave

2

Hours



Coffee machine

4

Hours



Refrigerator

10

Hours



Blender

4

Hours



Television

10

Hours

Figure 3.1: Front view of the OUKITEL P2001 Plus Power Station, showing the display, control knob, and various output ports.

Sicheres Aufladen

AC-Erdungsschutz: Sicherstellung eines stabilen und sicheren Kraftwerks

2400w

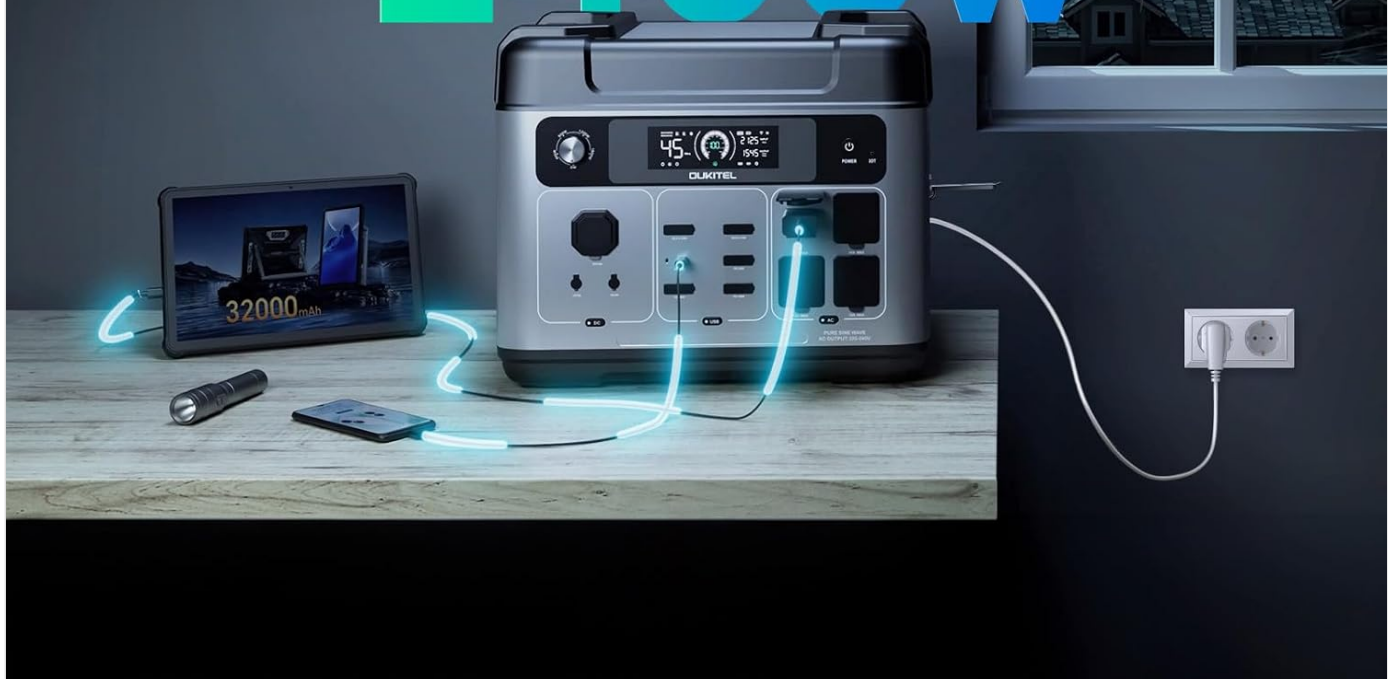


Figure 3.2: Rear view of the OUKITEL P2001 Plus Power Station, highlighting the AC charging input and DC input ports.

The unit is equipped with a durable LiFePo4 battery, ensuring a long lifespan and enhanced safety. It also includes an Uninterruptible Power Supply (UPS) function for seamless power transition during outages.

4. SETUP AND INITIAL CHARGING

Before first use, it is recommended to fully charge your OUKITEL P2001 Plus Power Station.

4.1. Unpacking

- Carefully remove the power station and all accessories from the packaging.
- Verify that all components listed in the specifications are present.

4.2. AC Charging

Connect the provided AC charging cable to the AC input port on the power station and then to a wall outlet. The intelligent AC charging feature allows for rapid charging, reaching 80% in approximately 50 minutes and 100% in 70 minutes. You can adjust the input current to prevent damage from unstable voltage or to optimize charging time.



Figure 4.1: Illustration of the intelligent AC charging feature, showing adjustable power input.

4.3. Solar Charging (Optional)

The P2001 Plus supports solar charging. Connect compatible solar panels (sold separately) to the DC input port. Ensure the solar panels are placed in direct sunlight for optimal charging efficiency.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the OUKITEL P2001 Plus Power Station being charged by solar panels in an outdoor setting, highlighting its portability and renewable energy capabilities. It also showcases the product's design, internal components, and app control features.

5. OPERATING INSTRUCTIONS

5.1. Powering On/Off

Press and hold the main power button to turn the unit on or off. The display will illuminate, showing battery status, input/output power, and remaining run time.

5.2. Using AC Outputs

The P2001 Plus provides 2400W of continuous AC power, capable of running most household appliances such as air conditioners, washing machines, and refrigerators.

- Press the AC power button to activate the AC outlets.
- Plug your appliances into the desired AC outlets.
- Monitor the display for power consumption and remaining battery life.



Figure 5.1: The OUKITEL P2001 Plus Power Station providing power to various devices in an outdoor camping environment, demonstrating its versatility.

5.3. Using DC and USB Outputs

The unit features multiple DC and USB ports for charging smaller devices.

- Press the DC or USB power button to activate the respective ports.
- Connect your devices using appropriate cables.

5.4. Uninterruptible Power Supply (UPS) Function

The integrated UPS function provides seamless power backup for critical devices.

- Connect the P2001 Plus to a wall outlet via the AC input.
- Plug your devices (e.g., computers, medical equipment) into the AC output ports of the P2001 Plus.
- In the event of a power outage, the P2001 Plus will automatically switch to battery power within milliseconds, ensuring uninterrupted operation for connected devices.

5.5. Smart App Control

Manage and monitor your power station remotely using the dedicated smartphone application. The app provides real-time information on battery status, input/output power, and allows for remote control of various functions.



Figure 5.2: A smartphone displaying the OUKITEL P2001 Plus control application, showing battery status and power management options in an outdoor setting.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your OUKITEL P2001 Plus Power Station.

6.1. Battery Care

The P2001 Plus uses LiFePo4 battery technology, known for its safety and extended lifespan of up to 3500 cycles to 70% capacity.

- For long-term storage, charge the unit to approximately 50-80% every 3-6 months.
- Store in a cool, dry place, away from direct sunlight and extreme temperatures.
- Avoid fully discharging the battery frequently to maximize its lifespan.



Figure 6.1: Visual representation of the OUKITEL P2001 Plus's LiFePo4 battery technology, emphasizing its long lifespan of over 10 years

and 3500+ cycles.

6.2. Cleaning

Wipe the exterior with a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure all ports are free from dust and debris.

7. TROUBLESHOOTING

If you encounter issues with your OUKITEL P2001 Plus, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on.	Battery is completely discharged.	Connect to AC power and charge for at least 10 minutes before attempting to power on.
AC output not working.	AC output not activated; Overload protection triggered.	Ensure the AC button is pressed. Reduce the load on the AC outlets. Restart the unit.
Slow charging speed.	Low input power; High ambient temperature.	Check the input power setting. Ensure the unit is in a well-ventilated area.
Display not working.	Unit is off; Display malfunction.	Press the power button to turn on. If still not working, contact customer support.

If the problem persists after trying these solutions, please contact OUKITEL customer support.

8. SPECIFICATIONS

Feature	Detail
Brand	OUKITEL
Model	P2001 Plus
AC Output Power	2400 Watts
Battery Capacity	2048 Wh
Battery Type	Lithium Iron Phosphate (LiFePo4)
Charging Time (AC)	0-80% in 50 minutes, 0-100% in 70 minutes
UPS Function	Integrated
Power Source	Solar Powered, AC Input
Product Dimensions	37L x 48W x 43H cm
Components Included	1 x P2001 Plus, 1 x generator cover, 3 x charging cables

9. WARRANTY AND SUPPORT

OUKITEL provides a warranty for the P2001 Plus Power Station. Please refer to the warranty card included with your

product for specific terms and conditions. For technical support, troubleshooting assistance, or warranty claims, please contact OUKITEL customer service through their official website or the contact information provided in your product packaging.

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Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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