

OUKITEL P2001 Pro

OUKITEL P2001 Pro Portable Power Station User Manual

Model: P2001 Pro | Brand: OUKITEL

1. INTRODUCTION

Thank you for choosing the OUKITEL P2001 Pro Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before use and retain it for future reference.

The OUKITEL P2001 Pro is a high-capacity portable power station designed to provide reliable power for various applications, including outdoor adventures, emergency home backup, and professional work. It features a 2048Wh LiFePO4 battery, 3200W continuous AC output (6400W peak), and multiple charging and output ports.

2. PRODUCT OVERVIEW

2.1 Package Contents

- 1 x OUKITEL P2001 Pro Portable Power Station
- 1 x AC Charging Cable
- 1 x Car Charging Cable
- 1 x Solar Charging Cable (MC4 to XT60)
- 1 x User Manual

2.2 Device Layout and Ports

The OUKITEL P2001 Pro is equipped with a variety of input and output ports to meet diverse power needs. Familiarize yourself with the port locations and functions:

- **AC Output Ports:** 4 x AC (Schuko) outlets, providing 220-240V pure sine wave output.
- **USB-A Ports:** 2 x USB-A ports with Quick Charge 3.0 support.
- **USB-C Ports:** 2 x USB-C (20W) and 1 x USB-C (100W PD) for fast charging of modern devices.
- **DC Output Ports:** 2 x DC 5521 ports.
- **Car Charger Output:** 1 x 12V/10A car cigarette lighter port.
- **Input Ports:** Dedicated ports for AC, solar (MC4/XT60), and car charging.

- **LCD Display:** Provides real-time information on battery level, input/output power, and operating status.



OUKITEL P2001 Pro Portable Power Station in an outdoor setting, showcasing its 3200W/2048Wh capacity and ability to power various devices like a kettle, refrigerator, laptop, coffee machine, and submersible pump. This image highlights the product's versatility for outdoor adventures and home backup.

Oukitel P2001E Pro

Capacidad:	2048Wh
Potencia de salida:	3200 W Potencia máxima 6400 W
Tipo de batería:	LiFePO₄
Peso:	24 kg
Conexión de la aplicación:	Soporta
Puertos de salida:	13 Unidades

Productos sin marca

1024Wh
2400 W Potencia máxima 4800 W
LiFePO₄
32 kg
No soportado
8 Unidades



A person carrying the OUKITEL P2001 Pro Portable Power Station, illustrating its compact and lightweight design. The image includes dimensions (39.9cm length, 28.6cm width, 32cm height), emphasizing its portability and ease of transport.

3. SETUP

3.1 Initial Charging

Before first use, fully charge the OUKITEL P2001 Pro. Connect the provided AC charging cable to the power station's AC input port and then to a standard wall outlet. The LCD display will show the charging status. A full charge from 0% to 100% typically takes approximately 1.2 hours using AC power.

3.2 Connecting Solar Panels (Optional)

To charge using solar power, connect compatible solar panels (up to 1000W input) to the power station's solar input port using the provided MC4 to XT60 cable. Ensure the solar panels are placed in direct sunlight for optimal charging efficiency. The LCD display will indicate solar input power.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

To power on the unit, press and hold the main power button for a few seconds until the LCD screen illuminates. To power off, press and hold the main power button again until the screen turns off.

4.2 Using AC Outputs

Press the AC power button to activate the AC outlets. Connect your devices to the AC ports. The power station provides a continuous output of 3200W (6400W peak). Ensure the total power consumption of your devices does not exceed this limit.

4.3 Using DC and USB Outputs

Press the DC power button to activate the DC 5521 ports and the car charger output. Press the USB power button to activate the USB-A and USB-C ports. Connect your compatible devices for charging.

4.4 Understanding the LCD Display

The backlit LCD display provides critical information:

- **Battery Level:** Shows the remaining battery percentage.
- **Input Power:** Displays the current power (in Watts) being drawn for charging.
- **Output Power:** Shows the total power (in Watts) being discharged to connected devices.
- **Remaining Time:** Estimates the remaining operating or charging time based on current power usage.
- **Status Indicators:** Icons for AC, DC, USB active, fan status, and error warnings.

4.5 Uninterruptible Power Supply (UPS) Function

The P2001 Pro features a 10ms Uninterruptible Power Supply (UPS) function. When connected to an AC wall outlet and devices are plugged into the AC output, the power station will automatically switch to battery power within 10 milliseconds if the grid power fails. This ensures continuous operation for essential equipment, preventing data loss or interruptions.

Vida útil prolongada & seguridad

Batería LFP automotriz: 25% más de vida útil que las celdas LFP convencionales – más de 4000+ ciclos (en lugar de los 3000 habituales)



LiFePO₄

Celda de batería

4000+

Ciclos de carga

15 Jahren

Vida útil de

OUKITEL P2001 Pro connected to a computer setup, demonstrating its Uninterruptible Power Supply (UPS) function with a fast switchover time, preventing data loss or interruption during power outages.

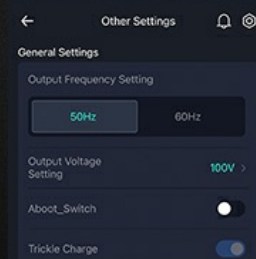
4.6 Smart App Control

The OUKITEL P2001 Pro can be monitored and controlled via a dedicated smartphone application. Connect the power station to your smartphone via Bluetooth or Wi-Fi. The app allows you to:

- Monitor battery status, input/output power.
- Remotely turn on/off AC, DC, and USB outputs.
- Adjust charging parameters and output frequency (50/60Hz).
- View device information and update firmware.

App inteligente

Monitorear | controlar ajustar



A smartphone displaying the OUKITEL P2001 Pro's smart app interface, showing options to monitor, control, and adjust settings. The image illustrates the convenience of managing the power station remotely via Bluetooth and Wi-Fi.

5. CHARGING METHODS

The OUKITEL P2001 Pro offers versatile charging options:

5.1 AC Wall Charging

Connect the power station to a standard wall outlet using the AC charging cable. It supports up to 1800W input, allowing a full charge in approximately 1.2 hours.

5.2 Solar Charging

Utilize solar panels (up to 1000W input) connected via the MC4 to XT60 cable. Charging time varies depending on sunlight intensity and panel wattage. For example, 1000W solar input can fully charge the unit in about 2.5 hours under ideal conditions.

5.3 Car Charging

Charge the power station from your vehicle's 12V cigarette lighter port using the car charging cable. This method provides a slower charge, typically taking around 8.3 hours for a full charge at 240W input.

5.4 Combined AC + Solar Charging

For the fastest charging, combine AC wall charging with solar panel input. The power station can accept up to 2800W (1800W AC + 1000W Solar), reducing the full charge time to approximately 0.8 hours.



A collage of four images demonstrating the various charging methods for the OUKITEL P2001 Pro: AC wall charging (approx. 1.5 hours, 1800W), solar panel charging (approx. 2.5 hours, 1000W), combined AC + solar charging (approx. 0.8 hours, 2800W), and car charging (approx. 8.3 hours, 240W). This image clearly shows the flexibility in recharging options.

6. MAINTENANCE

6.1 Cleaning

Regularly clean the exterior of the power station with a dry, soft cloth. Avoid using abrasive cleaners or solvents. Ensure all ports are free from dust and debris.

6.2 Storage

For prolonged storage, keep the power station in a dry, well-ventilated area away from direct sunlight and extreme temperatures. It is recommended to recharge the unit to approximately 60% every 3 months to preserve battery life.

6.3 Battery Care

The OUKITEL P2001 Pro uses a LiFePO4 battery, known for its long lifespan (over 4000 cycles) and thermal stability. To maximize battery longevity, avoid fully discharging the unit frequently and store it at recommended charge levels.



An internal view of the OUKITEL P2001 Pro's LiFePO4 battery cells, highlighting its safe, reliable, and durable construction. Text indicates over 4000 charge cycles and a 15-year lifespan, emphasizing the battery's longevity and advanced technology.

7. TROUBLESHOOTING

If you encounter issues with your OUKITEL P2001 Pro, refer to the table below for common problems and solutions:

Problem	Possible Cause	Solution
Unit does not power on	Battery is completely discharged; Power button not pressed long enough.	Charge the unit using AC power; Press and hold the power button for 3-5 seconds.
AC output not working	AC output not activated; Device power exceeds 3200W; Overload protection triggered.	Press the AC power button; Reduce connected device load; Restart the unit.
Solar charging is slow or not working	Insufficient sunlight; Incorrect panel connection; Damaged solar cable/panel.	Ensure panels are in direct sunlight; Check cable connections; Test with different panels/cables if possible.
LCD display not working	Unit is off; Display malfunction.	Power on the unit; If issue persists, contact support.
Fan runs frequently or loudly	High power output; Unit is overheating.	This is normal during high load; Ensure proper ventilation around the unit.

8. SPECIFICATIONS

Feature	Specification
Model Name	OUKITEL P2001 Pro Power Station
Battery Type	LiFePO4
Capacity	2048Wh
AC Output	3200W (Continuous), 6400W (Peak), 220-240V, 50/60Hz (Switchable)
USB-A Output	2 x QC3.0 (12W)
USB-C Output	2 x 20W, 1 x 100W PD
DC Output	2 x DC 5521 (36W total)
Car Charger Output	1 x 12V/10A
Total Outlets	13
AC Input (Max)	1800W
Solar Input (Max)	1000W
Car Input (Max)	240W
UPS Switching Time	10ms
Dimensions (L x W x H)	39.9 x 28.6 x 32 cm
Weight	22 kg
Special Features	Smart BMS, Automatic Cooling, LCD Display, App Control

9. WARRANTY AND SUPPORT

9.1 Product Warranty

The OUKITEL P2001 Pro Portable Power Station comes with a **5-year warranty** from the date of purchase. This warranty covers manufacturing defects and ensures reliable performance under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your OUKITEL P2001 Pro, please contact our customer support team. Refer to the contact information provided on our official website or your purchase documentation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

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

Submit question