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› OUKITEL P2001 Plus Solar Generator and 200W Solar Panel User Manual

## OUKITEL P2001 Plus

# OUKITEL P2001 Plus Solar Generator and 200W Solar Panel User Manual

Model: P2001 Plus

## 1. INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation of your OUKITEL P2001 Plus Solar Generator and accompanying 200W Solar Panel. Please read this manual thoroughly before using the product and retain it for future reference.



Image 1.1: The OUKITEL P2001 Plus Solar Generator shown with its 200W solar panel and a smartphone displaying the control app.

## 2. WHAT'S IN THE BOX

Upon unpacking, verify that all the following items are included:

- OUKITEL P2001 Plus Portable Power Station
- 200W Solar Panel
- AC Charging Cable
- Car Charging Cable
- Solar Charging Cable (XT90 to MC4)
- User Manual (this document)

**Note: Due to the weight of the product, the power station and solar panels may be delivered in separate packages.**



Image 2.1: Contents of the OUKITEL P2001 Plus package, including the power station, 200W solar panel, and various charging cables.

### 3. PRODUCT OVERVIEW

#### 3.1 Key Features

- **High Capacity & Output:** 2048Wh capacity with 2400W rated power output.
- **LiFePO4 Battery:** Long-lasting Lithium Iron Phosphate battery with over 3500 charge/discharge cycles to 80% capacity, providing up to 15 years of use.
- **Battery Management System (BMS):** Manages battery cell voltage and temperature for optimal performance and safety.
- **Fast Charging:** 0-100% in 80 minutes with AC input and solar input. AC charging up to 1800W.
- **Adjustable Charging:** AC input power adjustable from 400W to 1800W to prevent damage from voltage instability and optimize charging time.
- **Multiple Output Ports:** 13 versatile outlets including 4 AC outlets, 2 USB-A Quick Charge 3.0 ports, 4 USB-C PD ports (20W, 45W, 100W), 2 DC outlets, and 1 car lighter port.
- **Smart APP Control:** Connect via Bluetooth or Wi-Fi to monitor and control the power station remotely.
- **Emergency Power Supply (EPS):** Provides uninterrupted power in less than 0.01 seconds during outages.
- **Portable Design:** Weighs approximately 22.23 kg (49 pounds) with integrated handles for easy transport.

#### 3.2 Components and Ports

Familiarize yourself with the various ports and indicators on the OUKITEL P2001 Plus:

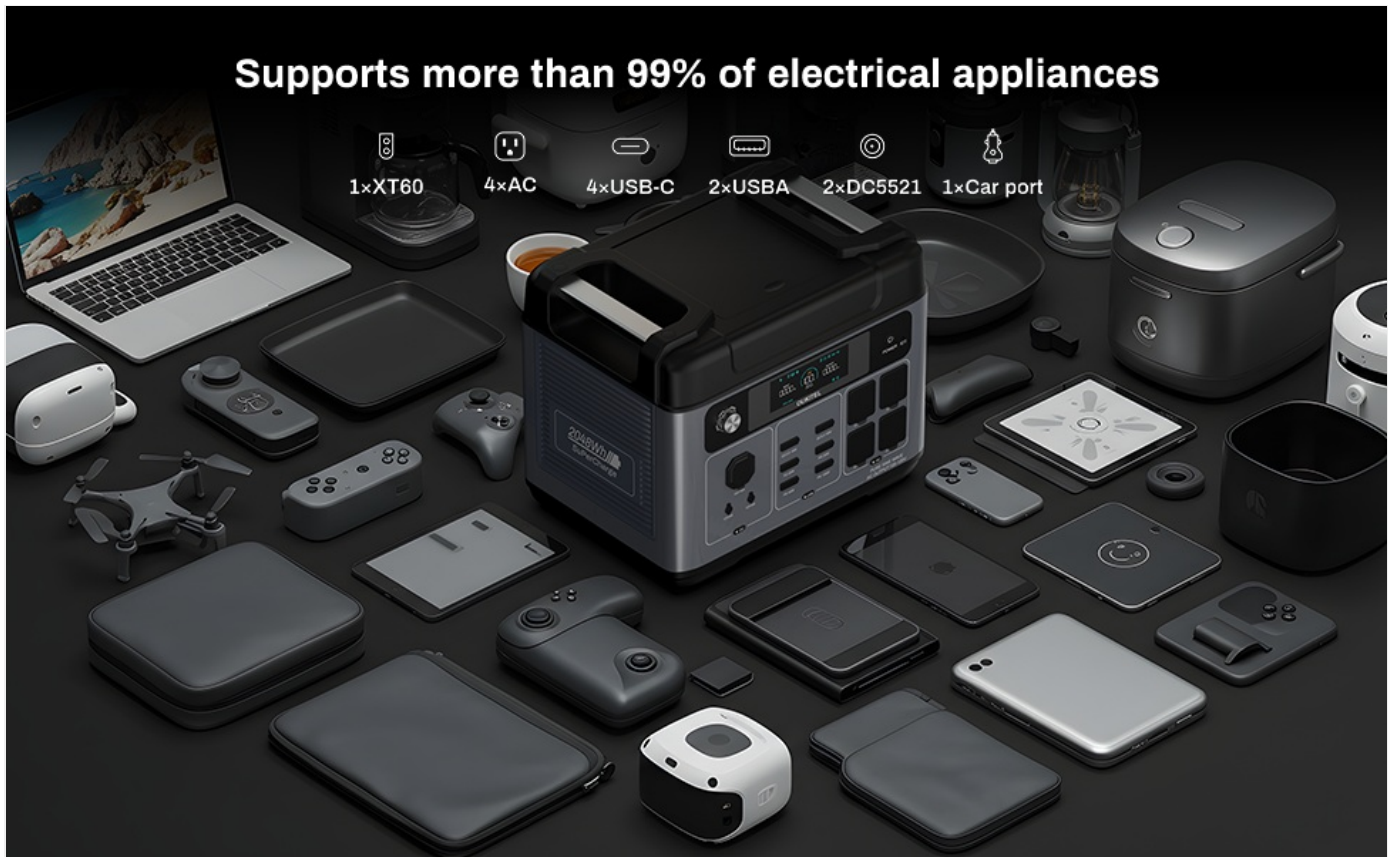


Image 3.1: The power station connected to various devices, demonstrating its wide compatibility.

- **AC Outlets:** Four 110V AC outlets for standard household appliances.
- **USB-A Ports:** Two USB-A ports with Quick Charge 3.0 support for fast charging of compatible devices.
- **USB-C PD Ports:** Four USB-C Power Delivery ports (20W, 45W, 100W) for charging modern laptops, tablets, and smartphones.
- **DC Outlets:** Two DC5521 ports for 12V DC devices.
- **Car Lighter Port:** One 12V car lighter socket.
- **XT60 Input:** For solar panel connection.
- **AC Input:** For wall charging.
- **Display Screen:** Shows battery level, input/output wattage, and other status indicators.
- **Power Button:** To turn the unit on/off.

## 4. SETUP

### 4.1 Initial Charge

Before first use, it is recommended to fully charge the OUKITEL P2001 Plus. Connect the AC charging cable to the AC input port on the power station and then to a standard wall outlet. The display will indicate charging status. A full charge typically takes about 1.5 hours at 1800W AC input.

# POWER TAKE ON GO



choose slow charging to extend battery life and save electricity cost

Image 4.1: The power station being charged via AC, illustrating the adjustable charging speed feature.

## 4.2 Connecting the Solar Panel

To charge using solar power:

1. Unfold the 200W solar panel and position it in direct sunlight for maximum exposure.
2. Connect the solar charging cable (XT90 to MC4) to the XT60 input port on the power station.
3. Connect the MC4 connectors of the solar charging cable to the output cables of the solar panel.
4. The display will show the solar input wattage. For optimal charging, ensure the solar panel is angled correctly towards the sun.

## 4 CHARGING METHODS



Image 4.2: Overview of the four available charging methods for the power station.

## 5. OPERATING INSTRUCTIONS

### 5.1 Powering On/Off

Press and hold the main power button for a few seconds to turn the unit on or off. The display screen will illuminate when the unit is on.

### 5.2 Using Output Ports

To use the AC, DC, or USB output ports, ensure the main power is on. Press the respective button (AC, DC, USB) to activate the desired output. The corresponding icon on the display will light up. Connect your devices to the appropriate ports.

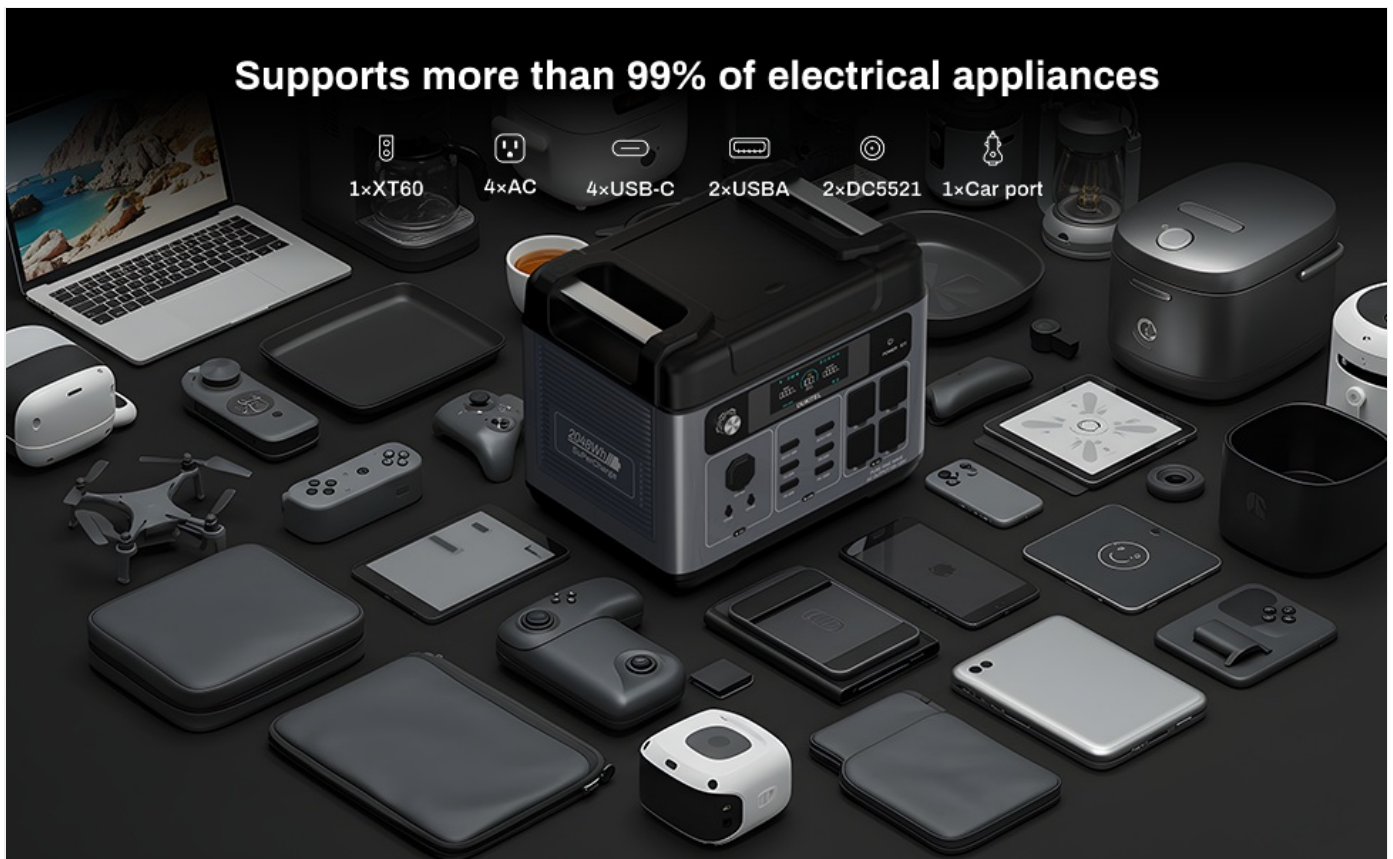


Image 5.1: The power station connected to various devices, demonstrating its wide compatibility.

### 5.3 Smart APP Control

The OUKITEL P2001 Plus can be controlled and monitored via a smartphone application. Follow these steps:

1. Download the "Wonderfree" app from your device's app store.
2. Ensure your smartphone's Bluetooth and Wi-Fi are enabled.
3. Open the app and follow the on-screen instructions to connect to your P2001 Plus.
4. Once connected, you can monitor battery status, input/output power, and control various settings remotely.



Image 5.2: Demonstrating the use of the smartphone app to control the power station in an outdoor setting.

## 5.4 Emergency Power Supply (EPS) Function

The EPS function provides an uninterruptible power supply for connected devices during a power outage. To use EPS mode:

1. Connect the OUKITEL P2001 Plus to a wall outlet using the AC charging cable.
2. Connect your critical electrical appliances to the AC output ports of the P2001 Plus.
3. In EPS mode, the device will primarily draw power from the main AC supply. If the main AC power fails, the P2001 Plus will automatically switch to battery power within 0.01 seconds, ensuring continuous operation for your connected devices.

**Important: In EPS mode, the maximum AC output is below 1400W for U.S. and JPN standards. Exceeding this limit will cause the AC output icon to flash, indicating an overload.**

## 6. MAINTENANCE

## 6.1 General Care

- Keep the power station in a cool, dry place, away from direct sunlight and heat sources.
- Avoid exposing the unit to moisture or corrosive substances.
- Clean the exterior with a soft, dry cloth. Do not use harsh chemicals or abrasives.
- Ensure ventilation openings are clear of dust and debris to prevent overheating.

## 6.2 Battery Longevity

The OUKITEL P2001 Plus uses a LiFePO4 battery designed for long life. To maximize battery lifespan:

- Avoid fully discharging the battery frequently.
- If storing for extended periods, charge the unit to approximately 50-80% and recharge every 3-6 months.
- Utilize the adjustable AC charging feature to charge at lower wattages when time permits, which can reduce stress on the battery.

Image 6.1: Illustration of the durable LiFePO4 battery technology within the power station.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Unit does not power on.	Battery is completely discharged; power button not pressed long enough.	Charge the unit via AC for at least 30 minutes. Press and hold the power button for 3-5 seconds.
No output from AC ports.	AC output not activated; overload protection triggered; device power exceeds 2400W.	Press the AC button to activate. Reduce the total wattage of connected devices. Restart the unit.
Solar panel not charging.	Insufficient sunlight; incorrect connection; faulty cable/panel.	Ensure direct sunlight and correct panel angle. Verify all cable connections. Test with another charging method if possible.
App connection issues (Bluetooth/Wi-Fi).	Incorrect app settings; interference; power station not in pairing mode.	Ensure Bluetooth/Wi-Fi is on. Restart the app and power station. Check app instructions for specific pairing steps. Ensure your phone is connected to a 2.4GHz Wi-Fi network for initial setup.
AC output icon flashing in EPS mode.	Overload detected (exceeds 1400W for U.S./JPN).	Reduce the total power consumption of devices connected to the AC outlets.

## 8. SPECIFICATIONS

Feature	Detail
Model Name	P2001 Plus 2400W Solar Generator

Feature	Detail
Brand	OUKITEL (YOYOSCX)
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Capacity	2048Wh
AC Output Power	2400W (Rated), 4800W (Peak)
AC Input Power	400W - 1800W (Adjustable)
Solar Input (Max)	500W (11.5V to 48V)
Charging Time (AC)	1.5 hours (0-100% at 1800W)
Charging Time (AC + Solar)	80 minutes (0-100% at 2300W)
AC Outlets	4 x 110V
USB-A Ports	2 x Quick Charge 3.0
USB-C PD Ports	4 (20W, 45W, 100W)
DC Outlets	2 x DC5521
Car Lighter Port	1 x 12V
Dimensions (L x W x H)	15.7" x 12.6" x 11.3" (40cm x 32cm x 28.7cm)
Weight	Approx. 50 lbs (22.23 kg)
Connectivity	Bluetooth, Wi-Fi (via App)

## 9. SAFETY INFORMATION

Please observe the following safety precautions to prevent injury or damage to the product:

- Do not disassemble, repair, or modify the unit.
- Keep the unit away from fire, water, and extreme temperatures.
- Do not use the unit if it is damaged or appears to be malfunctioning.
- Ensure proper ventilation during use and charging.
- Keep out of reach of children and pets.
- Do not insert foreign objects into any ports or openings.
- Use only approved accessories and charging cables.

## 10. WARRANTY AND SUPPORT

The OUKITEL P2001 Plus comes with a 5-year customer service commitment. For warranty claims, technical support, or any inquiries, please contact the seller directly through your purchase platform or refer to the contact information provided with your product packaging.

For additional information and support, you may visit the official OUKITEL Power Station store on Amazon: [OUKITEL Power Station Store](#).



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