Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

OUKITEL P5000

OUKITEL P5000 Solar Generator Instruction Manual

Model: P5000

1. Introduction

Thank you for choosing the OUKITEL P5000 Solar Generator. This powerful and versatile power station is designed to provide reliable electricity for various applications, including home backup, outdoor activities, and emergency situations. Featuring a 5120Wh LiFePO4 battery, 2200W AC output (4000W surge), and multiple charging options, the P5000 ensures your devices remain powered whenever and wherever you need them.
This manual provides essential information on the setup, operation, maintenance, and troubleshooting of your OUKITEL P5000 Solar Generator. Please read it thoroughly before use to ensure safe and optimal performance.

2. What's in the Box

Upon unpacking your OUKITEL P5000 Solar Generator, please verify that all the following components are included:

- OUKITEL P5000 Power Station × 1
- 400W Solar Panel × 2
- AC Charging Cable × 1 (for wall charging)
- 12V Car Charger Cable × 1
- MC4 to XT60 Solar Cable × 1 (for solar panel connection)
- User Manual × 1



Image: All components included in the OUKITEL P5000 Solar Generator package.

3. Product Overview

3.1 Key Features

- **Massive 5120Wh LiFePO4 Battery:** Provides long-lasting power with enhanced safety and a lifespan of up to 10 years (6000 cycles to 70% capacity).
- **High Power Output:** Delivers 2200W continuous AC output with a 4000W surge capability, suitable for powering most home appliances.
- **Multiple Charging Options:** Supports 1800W AC wall charging (2.8 hours to full), 1000W MPPT solar input (7 hours to full with 2x400W panels), and car charging.
- **UPS Battery Backup:** Features an Uninterruptible Power Supply (UPS) function with a <10ms switchover time, protecting sensitive electronics during power outages.
- **15 Versatile Output Ports:** Includes 5 AC outlets, 4 USB-A ports, 2 USB-C ports (100W), 2 DC ports, 1 cigarette lighter, and 1 airline socket.
- **Portable Design:** Equipped with sturdy pull handles and double wheels for easy transport.

3.2 Front Panel & Ports



Image: Detailed view of the OUKITEL P5000 front panel, highlighting the display and various output ports.

- **LCD Display:** Shows battery level, input/output wattage, remaining runtime, and other status indicators.
- **Power Button:** Turns the unit on/off.
- **AC On/Off Button:** Activates/deactivates the AC output ports.
- **USB-C Ports (x2):** One 140W and one 45W port for fast charging compatible devices.
- **USB-A Ports (x4):** 18W ports for charging various USB devices.
- **AC Outlets (x5):** Standard 120V AC outlets for household appliances.
- **30A RV Outlet:** Dedicated outlet for RVs and high-power devices.

3.3 Rear Panel & Charging Inputs

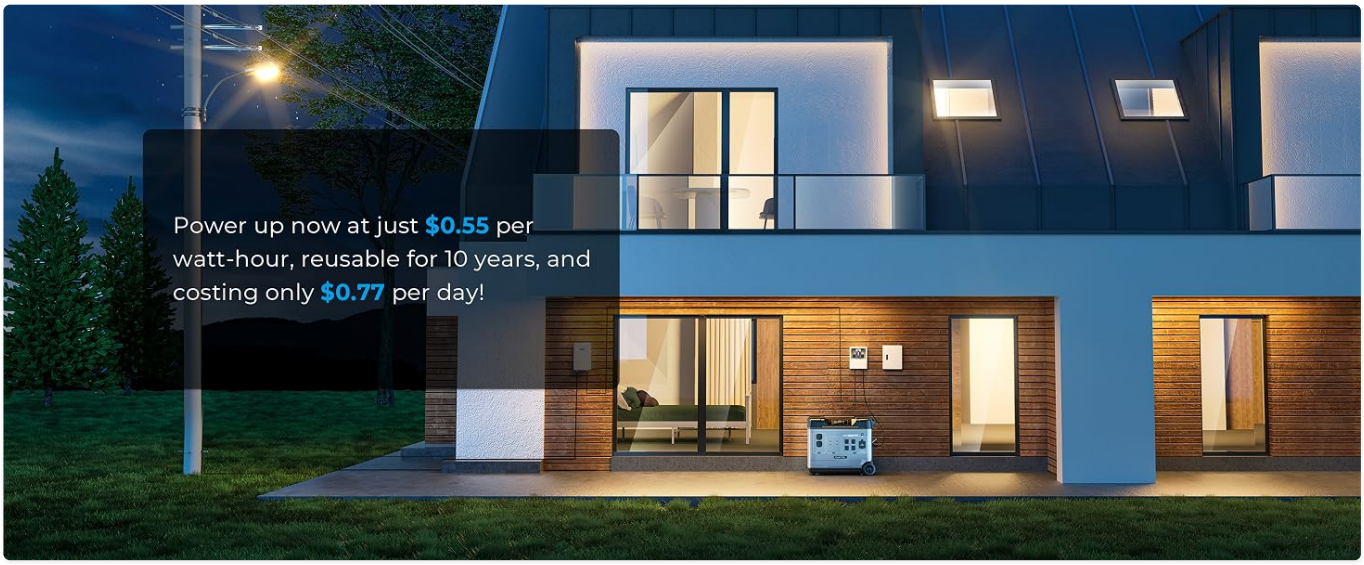

Image: Rear panel of the OUKITEL P5000, illustrating the AC input, solar input, and car charging port.

- **AC Input:** Connect the AC charging cable here for wall charging (up to 1800W).
- **Solar Input (XT60):** Connect solar panels via the MC4 to XT60 cable for solar charging (up to 1000W MPPT).
- **Car Charging Input:** Connect the 12V car charger cable here.
- **Fast/Adjust Switch:** Allows selection between fast charging and standard charging modes.

4. Setup

4.1 Initial Charging

Before first use, fully charge your OUKITEL P5000. Connect the AC charging cable to the AC input port on the rear panel and plug it into a standard wall outlet. The LCD display will show the charging status. A full charge via AC takes approximately 2.8 hours.

4.2 Solar Panel Connection

To charge using solar panels, connect the 2x400W solar panels (included) in series to the XT60 solar input port on the rear panel using the MC4 to XT60 solar cable. Position the solar panels in direct sunlight for optimal charging efficiency. Solar charging can fully recharge the unit in about 7 hours under ideal conditions.



Image: Illustration of multiple charging methods for the OUKITEL P5000, including solar and AC.

5. Operating Instructions

5.1 Turning On/Off

Press and hold the Power button on the front panel for 3 seconds to turn the unit on or off. The LCD display will illuminate.

5.2 Using AC Outlets

To use the AC outlets, first ensure the unit is powered on. Then, press the AC On/Off button on the front panel. The AC icon on the display will light up. Plug your appliances into the desired AC outlets. The display will show the real-time output wattage.

5.3 Using USB & DC Ports

The USB-A, USB-C, and DC ports are active when the unit is powered on. Simply plug in your devices to begin charging. The display will indicate the output wattage for these ports.



Image: The OUKITEL P5000 demonstrating its capability to charge 15 devices simultaneously through various ports.

5.4 UPS Mode Operation

The OUKITEL P5000 features an Uninterruptible Power Supply (UPS) mode. To activate, connect the P5000 to a wall outlet via the AC input. Then, plug your critical devices (e.g., computer, refrigerator) into the AC outlets of the P5000. In the event of a power outage, the P5000 will automatically switch to battery power within 10 milliseconds, ensuring continuous operation for your connected devices.



Image: Visual representation of the OUKITEL P5000's UPS function, providing seamless power during an outage.

5.5 Official Product Videos

▶ **Watch video online**
OUKITEL P5000 Power station 5120Wh 2200W

Video: OUKITEL P5000 Power Station 5120Wh 2200W - An overview of the power station's features and capabilities.

▶ **Watch video online**
OUKITEL P5000 portable power station

Video: OUKITEL P5000 Portable Power Station - Demonstrates the portability and ease of use of the power station.

6. Maintenance

- **Storage:** Store the P5000 in a cool, dry place away from direct sunlight and extreme temperatures. For long-term storage, charge the unit to 50-80% every 3-6 months to prolong battery life.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the unit. Do not use liquid cleaners or immerse the unit in water.
- **Battery Care:** The built-in LiFePO4 battery is designed for longevity. Avoid fully discharging the battery frequently, as this can reduce its overall lifespan.

7. Troubleshooting

7.1 Common Issues & Solutions

- **Unit Not Turning On:** Ensure the battery is charged. If the battery is depleted, connect to an AC outlet for charging.
- **AC Outlets Not Working:** Press the AC On/Off button to activate the AC output. Check if the appliance is drawing more than 2200W (or 4000W surge), which might trigger overload protection.
- **Slow Charging:** Verify that the charging cable is securely connected. If using solar panels, ensure they are in direct sunlight and free from obstructions. Check the Fast/Adjust switch on the rear panel; if set to 'Adjust', charging will be slower to preserve battery health.
- **Fan Noise:** The internal cooling fan will activate automatically when the unit is under heavy load or charging to dissipate heat. This is normal operation.
- **Display Not Working:** If the display is unresponsive, try restarting the unit. If the issue persists, contact customer support.

8. Specifications

Feature	Specification
Brand	OUKITEL
Model Name	P5000
Battery Type	LiFePO4
Capacity	5120Wh
AC Output (Continuous)	2200W
AC Output (Surge)	4000W
AC Input	1800W Max
Solar Input	1000W MPPT Max
Voltage	120 Volts
Total Power Outlets	15
Item Weight	230 Pounds
Product Dimensions	45"L x 17"W x 40"H

9. Warranty & Support

9.1 Warranty Information

The OUKITEL P5000 Solar Generator comes with a **2-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For any questions, technical assistance, or warranty claims, please contact OUKITEL Official US Customer Service. Our friendly customer service team is available to assist you.

- **Customer Support:** Available for assistance with product inquiries and issues.
- **30-day Easy Returns:** Refer to your retailer's return policy for details.

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

Open the live page

https://manuals.plus/asin/B0D8BBYJ38

More documents and user manuals: **https://manuals.plus/**