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OUKITEL P5000 Pro

OUKITEL P5000 Pro 3600W Solar Generator Instruction Manual

Model: P5000 Pro

Brand: OUKITEL

1. PRODUCT OVERVIEW

The OUKITEL P5000 Pro is a high-capacity portable power station designed to provide reliable energy for various applications, from home emergency backup to outdoor adventures. Featuring a robust 5120Wh LiFePO4 battery and a powerful 3600W AC output, it ensures your essential devices and appliances remain powered. Its advanced features, including ultra-fast charging and seamless Uninterruptible Power Supply (UPS) functionality, make it an indispensable tool for modern energy needs.

2. PACKAGE CONTENTS

Upon unboxing your OUKITEL P5000 Pro, please ensure all the following items are included:

- 1 x OUKITEL P5000 Pro Power Station
- 1 x 400W Solar Panel
- 1 x AC Charging Cable
- 1 x Car Charging Cable
- 1 x Solar Charging Cable
- 1 x User Manual

3. KEY PRODUCT FEATURES

- **High Capacity & Output:** 5120Wh battery capacity with 3600W continuous AC output (5000W Peak) to power a wide range of devices.
- **Durable LiFePO4 Battery:** Built with high-quality Lithium Iron Phosphate (LiFePO4) cells, offering over 3500 charge/discharge cycles for a lifespan of up to 15 years.
- **Ultra-Fast Charging:** Achieves 0-100% charge in approximately 3.5 hours using 1800W AC input.
- **Seamless UPS Function:** Provides Uninterruptible Power Supply (UPS) with a switchover time of less than 0.01 seconds, ensuring continuous power for critical devices during outages.
- **Smart APP Control:** Connects via Bluetooth or WiFi for remote monitoring and control of input/output, remaining power, and other settings.

- **Multiple Charging Options:** Supports AC, solar (up to 1000W), and car charging.

4. PRODUCT LAYOUT AND PORTS

Familiarize yourself with the various ports and controls on your P5000 Pro for efficient operation.

Front Panel Overview

MULTIPLE WAYS TO CHARGE

 Solar+AC 0-80% in 1.1 hours	 AC charging 0-80% in 2.6 hours	 Solar charging Full charge in 2 hours*
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*Based on using 1000W solar input in an ideal environment.

The front panel features a comprehensive array of output options, including:

- **AC Outlets:** 5 x AC outlets (3600W total, 5000W peak) for standard household appliances.
- **USB Ports:** Multiple USB-A and USB-C ports, including PD 100W for fast charging of mobile devices and laptops.
- **DC Outputs:** 12V/10A and 24V/10A DC ports for various DC-powered devices.

- **Car Outlet:** A 12V/10A car cigarette lighter port.
- **Display Screen:** A large LCD screen showing real-time power input/output, battery level, and remaining runtime.

Side Panel Connections

WHICH IS THE BEST FOR YOU?

	 <p>P5000 PRO</p>	 <p>P5000</p>
Application Cases	Long-distance travel, home backup battery, outdoor work and running heavy-duty power tools	Long-distance travel, home backup battery, to outdoor work
AC Input	1800W	1800W
AC Output	3600W	2200W
dB in Use	60dB	90dB

The side panel houses the primary input ports and cooling vents:

- **AC Charging Input:** For connecting the AC charging cable to recharge the power station from a wall outlet.
- **Solar/Car Input:** For connecting solar panels or a car charging cable.
- **Overload Protection:** A reset button for overload protection.
- **Cooling Vents:** Integrated fans on both sides ensure optimal temperature regulation during operation.

5. CHARGING YOUR P5000 PRO

The P5000 Pro offers flexible charging options to suit your needs.

AC Charging

Connect the provided AC charging cable to the AC input port on the side of the power station and then to a standard wall outlet. The 1800W fast charging technology allows the unit to reach 100% capacity in approximately 3.5 hours.

Solar Charging



Utilize the 400W solar panel (included) or other compatible solar panels (up to 1000W total) by connecting them to the Solar/Car input port. Under ideal sunlight conditions, the power station can achieve a full charge in about 2 hours.

Car Charging

Use the provided car charging cable to recharge the power station from your vehicle's 12V outlet. This method is suitable for on-the-go charging, though it may be slower than AC or solar charging.

6. OPERATING THE P5000 PRO

Follow these steps to operate your power station safely and effectively.

Powering On/Off

- To power on, press and hold the main 'Power' button on the front panel for 2-3 seconds. The LCD screen will illuminate.
- To power off, press and hold the main 'Power' button again for 2-3 seconds until the LCD screen turns off.

Using AC Outlets

- Press the 'AC' button on the front panel to activate the AC output. The AC icon on the LCD screen will light up.
- Plug your AC-powered devices into the desired AC outlets.
- To turn off AC output, press the 'AC' button again.

Using DC and USB Ports

- Press the 'DC' or 'USB' buttons on the front panel to activate the respective outputs. The corresponding icons on the LCD screen will light up.
- Connect your DC or USB-powered devices.
- To turn off DC or USB output, press the respective buttons again.

Adjustable Charge Current

The P5000 Pro features an adjustable charge current knob, allowing you to select input wattage from 400W to 1800W. This is useful for managing power consumption when charging from a generator or a less robust power source, preventing overload.

Uninterruptible Power Supply (UPS) Function



When the power station is connected to a wall outlet and devices are plugged into its AC outputs, it functions as a UPS. In the event of a power outage, the P5000 Pro will automatically switch to battery power within 0.01 seconds, ensuring uninterrupted operation for connected devices.

Mobile App Control

ULTRA LONG LIFE

LiFePO4 Battery with a Lifespan of 10 Years



10 YEARS



5000+

Download the OUKITEL mobile app (Landbook or Wonderfree, depending on your region) from your smartphone's app store. Connect the power station via Bluetooth or WiFi to remotely monitor battery status, control output ports, and adjust settings. Refer to the app's user manual for detailed setup and features.

This video demonstrates the setup and usage of the OUKITEL Solar Generator's mobile application, allowing users to remotely monitor and control their device via Bluetooth or WiFi.

7. MAINTENANCE AND STORAGE

Proper maintenance ensures the longevity and optimal performance of your P5000 Pro.

- **Regular Charging:** If the product is left unused for a long time, charge it to 100% every three months to maintain battery health.
- **Storage Conditions:** Store the power station in a cool, dry place away from direct sunlight and extreme

temperatures.

- **Battery Level:** It is recommended to store the product with a battery level of at least 20%.
- **Cleaning:** Use a dry, soft cloth to clean the exterior. Avoid using harsh chemicals or abrasive materials.

8. TROUBLESHOOTING

If you encounter issues with your P5000 Pro, refer to the following common troubleshooting tips:

- **Unit Not Charging:** Ensure the AC charging cable is securely connected to both the power station and the wall outlet. Verify the wall outlet is functional. For solar charging, ensure panels are correctly connected and receiving adequate sunlight.
- **App Connectivity Issues:** Ensure Bluetooth or WiFi is enabled on your smartphone and the power station. Restart both devices and try reconnecting. If issues persist, consult the app's user manual or contact customer support.
- **No Output from Ports:** Ensure the specific output (AC, DC, USB) is activated by pressing its respective button. Check the LCD screen for any error indicators. If an overload occurs, press the overload protection reset button on the side panel.

9. TECHNICAL SPECIFICATIONS

Specification	Detail
Brand	YOYOSCX (OUKITEL)
Model Name	P5000 Pro solar generator
Battery Type	Lithium Iron Phosphate (LiFePO4)
Capacity	5120Wh
AC Output	3600W (5000W Peak), 120 Volts, 60Hz
AC Charging Input	1800W Max
Solar Charging Input	1000W Max
DC Output	12V/10A, 24V/10A
USB Ports	USB-A (5V/2.4A), USB-C (PD 100W)
UPS Switchover Time	< 0.01s
Lifespan	3500+ cycles (up to 15 years)
Item Weight	112 Pounds (51 kg)
Product Dimensions	11.8"L x 19.17"W x 21.65"H

10. WARRANTY AND SUPPORT

The OUKITEL P5000 Pro comes with a 12-month warranty covering non-man-made damage. For any quality problems under normal use, warranty service will be provided. Please retain your purchase receipt and warranty card as proof of purchase.

For technical support or warranty claims, please contact OUKITEL customer service. Contact information can typically be found in your user manual or on the official OUKITEL website.

