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OUKITEL P800

OUKITEL P800 Portable Solar Generator with 100W Solar Panel User Manual

Model: P800
Brand: OUKITEL

1. Introduction and Overview

The OUKITEL P800 Portable Solar Generator is a versatile power solution designed for various applications, including home backup, outdoor camping, and RV use. This unit combines a 512Wh power station with a 100W solar panel, offering reliable and efficient power wherever you need it. It features a robust LiFePO4 battery, multiple output ports, and fast charging capabilities.



Image: The OUKITEL P800 Portable Solar Generator shown with its accompanying 100W foldable solar panel.

2. What's in the Box

Upon unboxing, please verify that all components are present:

- 1 x OUKITEL P800 Power Station
- 1 x AC Charging Cable
- 1 x 100W Solar Panel
- 1 x 5521 to MC4 Solar Charging Cable
- 1 x User Manual

3. Product Features

The OUKITEL P800 is engineered with advanced features for reliable power delivery:

- **High Capacity & Output:** 512Wh battery capacity with 800W rated AC output (1600W peak).
- **Durable Battery:** Utilizes LiFePO4 battery technology, offering over 3500 charge/discharge cycles for a lifespan of more than 10 years.
- **Fast Charging:** Achieves 0-100% charge in approximately 1 hour via 500W AC input. Supports 200W solar input for efficient charging.
- **Emergency Power Supply (EPS):** Provides seamless power switching in less than 0.01 seconds during grid outages, protecting sensitive electronics.
- **Versatile Outputs:** Equipped with 9 outlets, including 2 AC outlets, 3 USB-A Quick Charge 3.0 ports, 1 USB-C PD100W port, 2 DC outlets, and 1 cigar lighter port.

- **Portable Design:** Weighs approximately 13.2 pounds (6 kg) with compact dimensions for easy transport.



Image: Detailed product overview highlighting the various input and output ports on the OUKITEL P800 power station.

4. Setup Instructions

4.1 Initial Charging

1. Before first use, fully charge the P800 power station.
2. Connect the AC charging cable to the AC input port on the P800 and then to a standard wall outlet.
3. The display screen will indicate charging status. Charging from 0% to 100% typically takes about 1 hour.

4.2 Solar Panel Connection

1. Unfold the 100W solar panel and place it in direct sunlight.
2. Connect the 5521 to MC4 solar charging cable to the solar panel's output and the PV/Car input port on the P800.
3. The display will show solar input power. Optimal charging time with the 100W solar panel is approximately 5-6 hours, depending on sunlight intensity.



Image: The OUKITEL P800 power station being charged via AC and solar panel, illustrating fast charging times.

5. Operating Instructions

5.1 Powering On/Off

Press and hold the main POWER ON/OFF button for a few seconds to turn the unit on or off. The display screen will illuminate.

5.2 Using Output Ports

- **AC Outlets:** Press the AC output switch to activate the AC ports. Plug in your AC-powered devices (up to 800W continuous, 1600W peak).
- **USB Ports (USB-A, USB-C):** Press the USB output switch to activate. Connect your USB devices for charging. The USB-C port supports PD100W fast charging.
- **DC Outlets & Cigar Lighter:** Press the DC output switch to activate. Connect compatible 12V DC devices.



Image: A user operating the OUKITEL P800, demonstrating the use of its 9 multi-function sockets to power various devices.

5.3 Emergency Power Supply (EPS) Function

When the P800 is connected to an AC wall outlet and also has devices plugged into its AC outputs, it can function as an EPS. In the event of a power outage, the P800 will automatically switch to battery power within 10 milliseconds, providing uninterrupted power to connected devices. This feature is ideal for critical equipment like computers or medical devices.

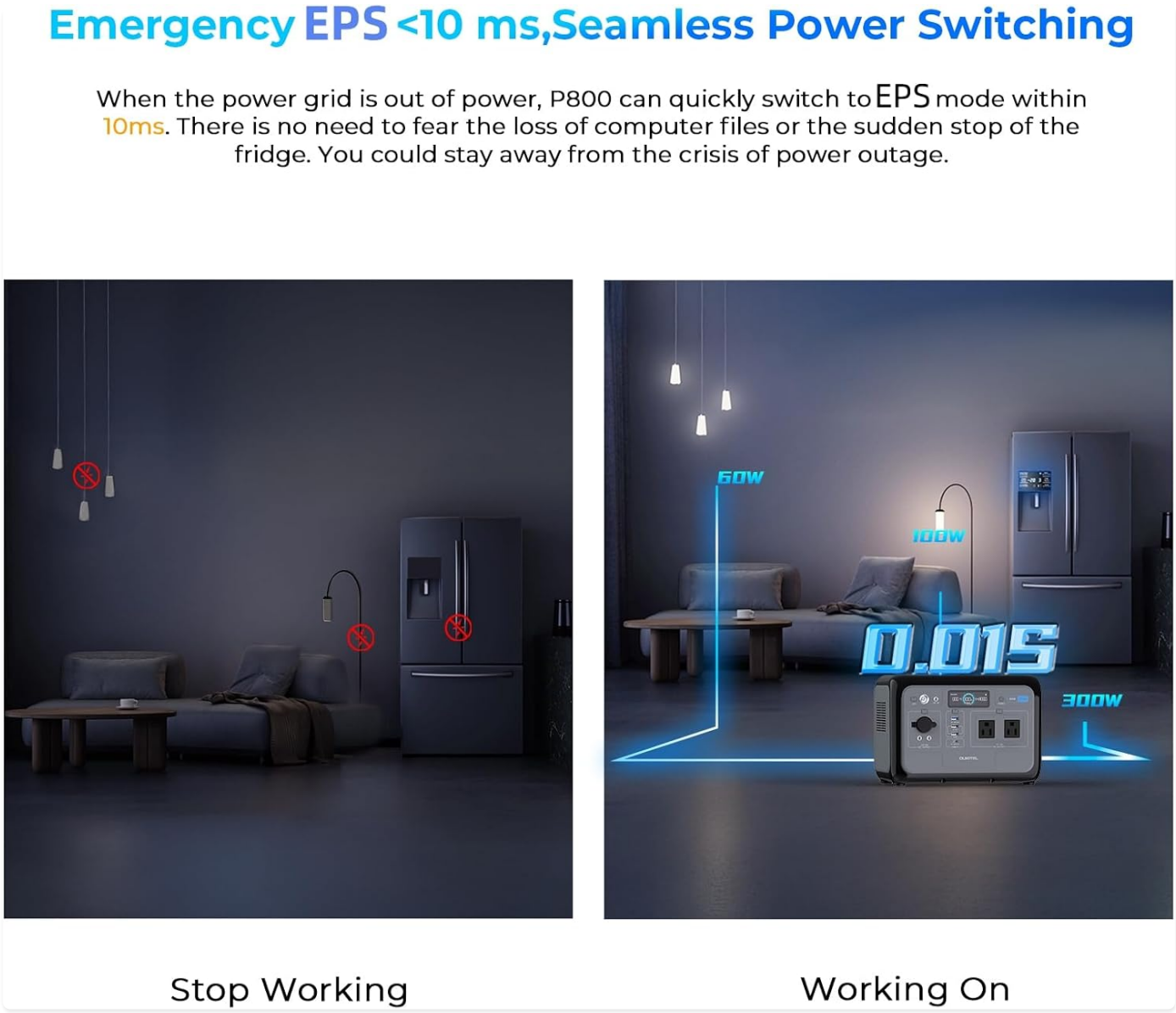


Image: Illustration of the OUKITEL P800's Emergency Power Supply (EPS) function, showing seamless power switching during an outage.

6. Maintenance

6.1 Battery Care

- For optimal battery life, avoid completely draining the battery frequently.
- Store the unit in a cool, dry place away from direct sunlight and extreme temperatures.
- If storing for extended periods, charge the battery to approximately 50-80% every 3-6 months.

6.2 Cleaning

Use a soft, dry cloth to clean the exterior of the power station. Do not use abrasive cleaners or immerse the unit in water.

6.3 Storage

Ensure the unit is turned off before storing. Keep it in a well-ventilated area. Do not block the ventilation openings during operation or storage.



Image: Diagram illustrating the long lifespan of the OUKITEL P800's LiFePO4 battery, rated for over 3500 cycles.

7. Troubleshooting

If you encounter issues with your OUKITEL P800, please refer to the following common solutions:

- **Unit Not Turning On:** Ensure the battery is charged. If not, connect to an AC outlet for charging.
- **No Output from Ports:** Verify that the specific output switch (AC, USB, DC) is turned on. Check if the device connected exceeds the maximum output wattage.
- **Slow Charging:** For solar charging, ensure the solar panel is in direct sunlight and not obstructed. Check cable connections. For AC charging, ensure the cable is securely connected.
- **Overload Protection:** If an overload occurs, the unit may shut down. Disconnect the overloaded device, turn the unit off, then on again, and try with a lower-power device.

For more detailed troubleshooting or persistent issues, please contact customer support.

8. Specifications

Feature	Specification
Brand	OUKITEL (YOYOSCX)
Model	P800
Battery Capacity	512Wh (90000 mAh)
AC Output Wattage	800W (1600W Peak)
Voltage	110 Volts
Power Source	Solar Powered, AC Powered
AC Charging Input	500W Fast Charging
Solar Charging Input	200W Max (with included 100W panel)
Battery Type	LiFePO4 (Lithium Iron Phosphate)
Cycle Life	3500+ cycles to 80% capacity
Output Ports	2x AC, 3x USB-A (QC 3.0), 1x USB-C (PD100W), 2x DC, 1x Cigar Lighter
Product Dimensions	7.1"L x 8.11"W x 11.6"H
Item Weight	13.2 Pounds (6 kg)
Special Features	Fast Charging, Overload Protection, Portable, USB Port, EPS Function

9. Warranty and Support

9.1 Warranty Information

The OUKITEL P800 Portable Solar Generator comes with a 5-year manufacturer's warranty, covering defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, warranty service, or any questions regarding your OUKITEL P800, please refer to the contact information provided on the product packaging or the official OUKITEL website. Our customer service team is available to assist you.

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