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OUKITEL P1201

OUKITEL P1201 Solar Generator User Manual

Model: P1201

Overview Safety Instructions Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Product Overview

The OUKITEL P1201 is a portable solar generator designed to provide reliable power for various applications, including off-grid living, outdoor camping, and emergency backup. It features a 960Wh capacity and a 1200W (2400W Peak) pure sine wave inverter, capable of powering a wide range of devices. The unit incorporates a durable LiFePO4 battery with a long lifecycle and supports multiple charging methods for convenience.
This manual provides essential information for the safe and efficient use of your OUKITEL P1201 Solar Generator.

2. Important Safety Instructions

Please read and understand all safety instructions before operating the OUKITEL P1201. Failure to follow these instructions may result in electric shock, fire, serious injury, or property damage.

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or electric shock.
- Do not expose the unit to fire or extreme temperatures (above 60°C / 140°F).
- Do not use or store the unit in high humidity environments or near water.
- Keep the unit away from children and pets.
- Do not use non-OUKITEL approved accessories.
- Ensure proper ventilation during use and charging. Do not block ventilation openings.
- If the unit emits smoke, strange odors, or unusual noise, stop using it immediately and contact customer support.
- Dispose of the unit and its battery according to local regulations.
- Avoid dropping or subjecting the unit to strong impacts.
- Do not insert foreign objects into the ports or openings.

3. Setup and First Use

3.1 Unpacking

Carefully remove all components from the packaging. Verify that all items listed below are present and undamaged:

- 1x OUKITEL P1201 Power Station
- 1x AC Charging Cable
- 1x Car Charging Cable
- 1x Solar Cable
- 1x User Manual
- (Optional: 2x 200W Solar Panels, if purchased as a bundle)

3.2 Initial Charging

Before first use, fully charge the OUKITEL P1201. This ensures optimal battery performance and calibration.

1. Connect the AC Charging Cable to the AC input port on the power station.
2. Plug the other end of the AC Charging Cable into a standard wall outlet.
3. The display will indicate charging status. The unit can be fully charged in approximately 1.5 hours via a wall outlet.



Image: OUKITEL P1201 connected to a wall outlet for fast charging. The display shows charging progress.

4. Operation

4.1 Powering On/Off

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

4.2 Output Ports

The OUKITEL P1201 features 13 output ports to power various devices simultaneously:

- **4x AC Outlets:** For standard household appliances (1200W continuous, 2400W peak).
- **2x USB-A Ports:** For charging smartphones, tablets, and other USB-A devices.
- **3x USB-C PD 20W Ports:** For fast charging compatible USB-C devices.
- **1x USB-C PD 100W Port:** For high-speed charging of laptops and other power-hungry USB-C devices.
- **2x DC36W Ports:** For DC-powered devices.
- **1x DC120W Cigarette Lighter Socket:** For car appliances.



Image: Detailed view of the OUKITEL P1201's control panel and all 13 output ports, including AC, USB-A, USB-C, DC, and car outlet.



Image: OUKITEL P1201 demonstrating its ability to power various appliances, such as a coffee maker, mini-fridge, electric drill, and drone, with estimated run times.

4.3 Charging the Power Station

The P1201 supports multiple charging methods:

- **AC Wall Outlet:** Approximately 1.5 hours for a full charge.
- **Solar Panels:** Connect compatible solar panels (max 500W input) using the provided solar cable. Charging time is approximately 2.5 hours with 500W solar input. The intelligent MPPT controller optimizes charging efficiency.
- **Car Charger:** Use the car charging cable to charge from your vehicle's 12V cigarette lighter port.
- **AC + Solar Combination:** For the fastest charging, combine AC wall charging with solar panel input, reducing the charging time to under an hour.

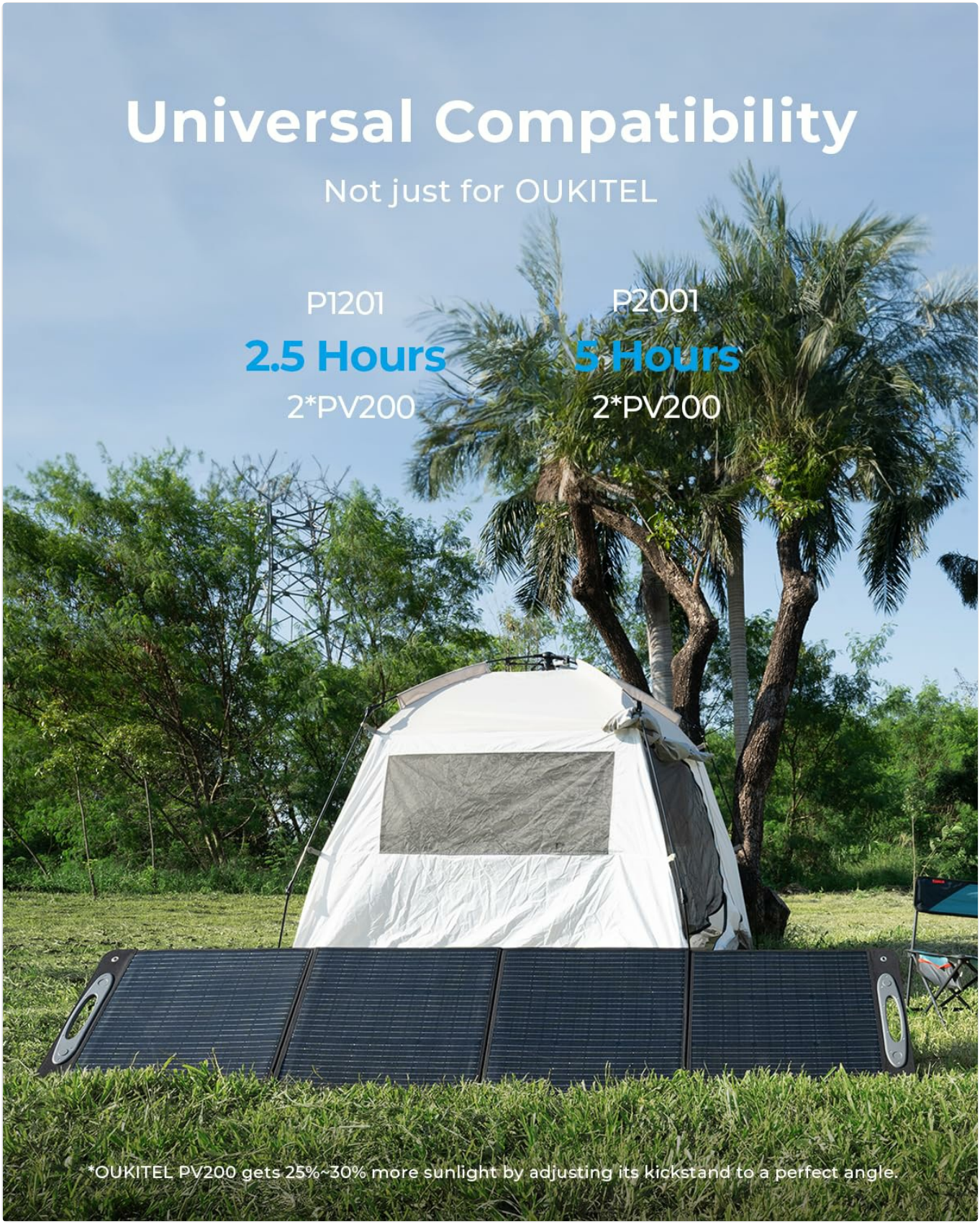

Image: OUKITEL P1201 connected to two solar panels in an outdoor environment, illustrating solar charging capability.



Image: OUKITEL P1201 power station and solar panels set up in a camping scenario, highlighting its fast solar charging feature (2.5 hours with 500W max solar input).

5. Maintenance

Proper maintenance ensures the longevity and optimal performance of your OUKITEL P1201.

- **Storage:** Store the unit 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 preserve battery health.
- **Cleaning:** Use a dry, soft cloth to wipe the exterior of the unit. Do not use abrasive cleaners or solvents. Keep ports free of dust and debris.
- **Battery Care:** The LiFePO4 battery is designed for over 3500+ life cycles. Avoid fully discharging the battery frequently to extend its lifespan.
- **Ventilation:** Ensure the ventilation openings are clear and unobstructed during operation and charging to prevent overheating.



Image: Cutaway view of the OUKITEL P1201, illustrating its internal LiFePO4 battery structure and highlighting its durability with 3500+ cycles and a 2-year warranty.

6. Troubleshooting

If you encounter issues with your OUKITEL P1201, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Unit does not turn on.	Battery is completely discharged.	Connect to an AC wall outlet and charge for at least 30 minutes.
AC outlets not working.	AC output is not enabled. Overload protection activated.	Press the AC power button to enable AC output. Reduce the total wattage of connected devices.
Slow solar charging.	Insufficient sunlight. Panels not optimally angled. Dirty panels.	Ensure panels are in direct sunlight. Adjust panel angle for maximum exposure. Clean panel surfaces.

Problem	Possible Cause	Solution
Unit overheating.	Poor ventilation. Excessive load.	Ensure ventilation openings are clear. Reduce connected load. Move to a cooler environment.

If the problem persists, please contact OUKITEL customer support.

7. Technical Specifications

Feature	Detail
Model	P1201
Battery Type	LiFePO4
Capacity	960Wh
AC Output	1200W (2400W Peak), Pure Sine Wave
USB-A Output	2 ports
USB-C Output	3x PD 20W, 1x PD 100W
DC Output	2x DC36W, 1x DC120W (Cigarette Lighter)
Total Power Outlets	13
AC Charging Input	Fast Charge (approx. 1.5 hours)
Solar Charging Input	Max 500W (approx. 2.5 hours)
Life Cycles	3500+
Dimensions (L x W x H)	38.9L x 23.1W x 33.3H Centimeters
Weight	Approximately 27 pounds

8. Warranty and Customer Support

The OUKITEL P1201 Solar Generator comes with a**2-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use.
For warranty claims, technical assistance, or any questions regarding your product, please contact OUKITEL customer service. Please have your purchase receipt and product model number ready when contacting support.
Contact information for customer support can typically be found on the OUKITEL official website or on the packaging materials.

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