

## OUKITEL P800E

# OUKITEL P800E Portable Power Station User Manual

Model: P800E

## 1. INTRODUCTION

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Thank you for choosing the OUKITEL P800E Portable Power Station. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your device. Please read this manual thoroughly before using the product and keep it for future reference.

The OUKITEL P800E is a high-performance portable power station designed to provide reliable power for various applications, including outdoor adventures, camping, RV life, emergency backup, and general home use. It features an advanced LiFePO4 battery, multiple output ports, and flexible charging options.

## 2. SAFETY INSTRUCTIONS

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To ensure safe operation, always follow these guidelines:

- Do not disassemble, repair, or modify the unit. Incorrect reassembly may cause fire or injury.
- Do not expose the unit to fire or extreme temperatures (above 60°C / 140°F).
- Do not use or store the unit in a bathroom or in areas exposed to water or rain.
- Do not use damaged power cables or chargers.
- Keep the unit away from children and pets.
- Ensure proper ventilation during use to prevent overheating.
- The unit features multiple safety protections including overload, short-circuit, overcharge, and over-discharge protection. Do not attempt to bypass these safety features.

## 3. PRODUCT OVERVIEW

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### 3.1 Components and Ports

The OUKITEL P800E is equipped with various input and output ports to accommodate a wide range of devices. The front panel includes an LCD display for real-time monitoring of battery level and usage status, along with an integrated LED lamp with SOS mode for emergencies.

# Blitzschnelle Ladegeschwindigkeit

0-100 % in 1h mit AC



Max AC: 500 W

Max solar: 200 W

Auto 12-50 V

AC + solar

Image: Front view of the OUKITEL P800E, highlighting its various output ports. This includes 2 AC outlets, 2 USB-A ports, 1 USB-QC3.0 port, 1 Type-C port, 2 DC5521 ports, and 1 Car Charging Port, allowing connection of up to 9 devices simultaneously.

## Output Ports:

- 2 x AC Outlets (240V, 800W continuous, 1600W peak)
- 2 x USB-A Ports (12W each)
- 1 x USB-QC3.0 Port (18W)
- 1 x USB-C Port (100W PD)
- 2 x DC5521 Ports (36W total)
- 1 x Car Charging Port (120W)

## Input Ports:

- AC Charging Input (Max 500W)
- Solar Charging Input (Max 200W)
- Car Charging Input (12-50V)

## 3.2 Dimensions and Portability

The OUKITEL P800E is designed for portability, weighing only 6 kg and featuring compact dimensions.

# LiFePO4 Batterie

 **10+ Jahre Lebensdauer**       **BMS**       **4000+ Zyklen**



     

Image: A person carrying the OUKITEL P800E, illustrating its compact size and light weight. The image also displays the dimensions: Length 29.4 cm, Width 17.8 cm, Height 20.5 cm, emphasizing its portability for outdoor activities.

## 4. SETUP

Before first use, ensure the power station is fully charged. The package includes:

- 1 x OUKITEL P800E Portable Power Station
- 1 x AC Fast Charging Cable
- 1 x MC4-XT60 Cable (for solar charging)
- 1 x User Manual

Unpack all components and inspect for any damage. If any part is damaged or missing, contact customer support.

## 5. OPERATING INSTRUCTIONS

### 5.1 Charging the Power Station

The OUKITEL P800E supports three charging methods:



Image: The OUKITEL P800E being charged by a solar panel in an outdoor setting, with text indicating various charging methods and speeds. It highlights AC charging (0-100% in 1 hour), solar charging (Max 200W), and car charging (12-50V), as well as combined AC + solar charging.

- **AC Wall Outlet:** Connect the AC fast charging cable to the power station and a standard wall outlet. The power station can charge from 0% to 100% in approximately 1 hour.
- **Solar Panels:** Connect compatible solar panels (Max 200W) to the power station using the MC4-XT60 cable. Charging time varies based on sunlight intensity.
- **Car Charger:** Connect the car charging cable (not included, but compatible with 12-50V input) to your vehicle's cigarette lighter socket.

## 5.2 Discharging and Using Devices

To power your devices:

1. Press the main power button to turn on the power station.
2. Press the respective output button (AC, USB, DC) for the port you wish to use. The indicator light for the activated output will illuminate.
3. Connect your device to the appropriate port.

4. Monitor the LCD display for real-time power consumption and remaining battery level.
5. After use, turn off the output ports and then the main power button to conserve battery.

The OUKITEL P800E can power a variety of devices, including e-bikes, mini-fridges, TVs, projectors, cameras, drones, mobile phones, coffee machines, and more.

### 5.3 LCD Display and LED Light

- The LCD display shows battery percentage, input/output wattage, and warning indicators.
- The integrated LED lamp can be activated for illumination. Press the LED button once for constant light, and again for SOS mode.

## 6. MAINTENANCE

### 6.1 Battery Care

The OUKITEL P800E uses a high-quality LiFePO4 battery, known for its longevity and safety.



Image: An internal view of the OUKITEL P800E, highlighting its LiFePO4 battery and Battery Management System (BMS). Text indicates a lifespan of 10+ years and 4000+ charge cycles, along with various certifications like FC, MSDS, CE, RoHS, PSE, and UN38.3.

- The LiFePO4 battery offers 4000+ charge cycles and a lifespan of over 10 years.
- For optimal battery health, fully charge the unit every 3-6 months, even if not in use.
- Avoid completely draining the battery for extended periods.

## 6.2 Cleaning and Storage

- Clean the unit with a dry, soft cloth. Do not use abrasive cleaners or solvents.
- Store the unit in a cool, dry place, away from direct sunlight and moisture.
- Operating temperature for charging: 0°C to 40°C (32°F to 104°F).
- Operating temperature for discharging: -10°C to 40°C (14°F to 104°F).

## 7. TROUBLESHOOTING

If you encounter issues with your OUKITEL P800E, refer to the following common problems and solutions:

- **Unit not turning on:** Ensure the battery is charged. If the battery is completely depleted, connect it to an AC outlet for a few minutes.
- **No output from ports:** Ensure the specific output button (AC, USB, DC) is pressed and its indicator light is on. Check if the device connected is within the power station's wattage limits.
- **Overload warning:** If the LCD shows an overload icon, disconnect some devices. The power station will automatically shut down if overloaded to prevent damage.
- **Slow charging:** Ensure the charging cable is securely connected. For solar charging, ensure panels are in direct sunlight and clean.
- **Unit overheating:** Ensure the cooling fan is not obstructed. Operate the unit in a well-ventilated area. If overheating persists, discontinue use and contact support.

For persistent issues or problems not listed here, please contact OUKITEL customer support.

## 8. SPECIFICATIONS

Feature	Specification
Product Name	OUKITEL P800E Portable Power Station
Battery Chemistry	Lithium Iron Phosphate (LiFePO4)
Battery Capacity	512 Wh
Battery Voltage	25.6 V
Battery Power	20 Ah
Battery Lifespan	4,000 cycles
AC Continuous Power	800 W
AC Peak Power	1,600 W
AC Voltage Range	100-120 V (or 240V as per feature bullet)
AC Frequency	60 Hz / 50 Hz

USB QC3.0 Ports	1 port (18 W)
USB-A Ports	2 ports (12 W each)
USB-C Ports	1 port (100 W PD)
DC Outputs	2 ports (36 W total)
Car Charger Connector	1 connector (120 W)
AC Charging Input	Max 500 W (Charge time: 1 hour)
Solar Charging Input	Max 200 W (Charge time: 2 hours 45 minutes)
Operating Temp (Charge)	0°C to 40°C (32°F to 104°F)
Operating Temp (Discharge)	-10°C to 40°C (14°F to 104°F)
Cooling System	1 fan
Dimensions (L x W x H)	29.3 x 17.8 x 20.5 mm (or 29.4 x 17.8 x 20.5 cm)
Weight	6.2 kg
Materials	ABS + PC
Fire Protection Class	94 V-0
Certifications	CE, FCC, PSE, UN38.3, EMC, LVD, RoHS, MSDS

## 9. WARRANTY AND SUPPORT

### 9.1 Warranty Information

The OUKITEL P800E Portable Power Station comes with a **2-year warranty** from the date of purchase. This warranty covers manufacturing defects and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or natural disasters.

### 9.2 Customer Support

If you have any questions, require technical assistance, or need to claim warranty service, please contact OUKITEL customer support through the retailer where you purchased the product or visit the official OUKITEL website for contact information.