

SKE POE-830P-LFP

SKE Mini UPS Instruction Manual

Model: POE-830P-LFP

INTRODUCTION

The SKE POE-830P-LFP Mini UPS is a compact and reliable uninterruptible power supply designed to provide backup power for various networking and electronic devices. Featuring a high-capacity 20000mAh LiFePO4 battery, it ensures continuous operation for your router, modem, cameras, and other essential equipment during power outages. This manual provides detailed instructions for the safe and efficient use of your Mini UPS.

PACKAGE CONTENTS

Please check the package contents upon unboxing. If any items are missing or damaged, contact your vendor.

- SKE Mini UPS Unit (POE-830P-LFP)
- User's Manual
- Guarantee Certificate
- Power Cables (various types for input/output)

PRODUCT OVERVIEW

Familiarize yourself with the components and features of your SKE Mini UPS.

Front Panel and Indicator Lights

Figure 2: Front Panel with Indicator Lights

- **STATUS:** Indicates the operational status of the UPS.
- **12V, 9V, 5V:** Indicate the selected DC output voltage.
- **25%, 50%, 75%, 100%:** Indicate the remaining battery charge level.

Rear Panel and Ports

Figure 3: Rear Panel Port Layout

- **INPUT 100-240Vac:** Power input for charging the UPS.
- **SELECTOR 9V/12V:** Switch to select between 9V and 12V DC output.
- **DC OUTPUT:** Standard DC output port.

- **TYPE-C OUTPUT:** USB Type-C output port (5V/1A).
- **USB 5V:** Standard USB output port (5V/1A).
- **RESET:** Button to reset the device.
- **LAN 24V POE / LAN 48V POE:** Power over Ethernet (POE) ports for compatible devices.

Key Features

- **High Capacity:** 20000mAh LiFePO4 battery provides extended backup time (over 10 hours for router+modem).
- **Multi-Voltage Output:** Supports DC 5V, 9V, 12V, and POE 24V, 48V.
- **Versatile Connectivity:** Includes USB, Type-C, DC, and POE ports.
- **Intelligent Protection:** Built-in safeguards against short-circuit, over-current, over-temperature, over-voltage, and electric shock.
- **Wide Compatibility:** Suitable for routers, modems, security cameras, phones, tablets, POS systems, and more.

Figure 4: Extended Runtime for Networking Devices

Figure 5: Wide Device Compatibility

Figure 6: Reliable LiFePO4 Batteries with Multiple Protections

SPECIFICATIONS

Feature	Detail
Product Name	MINI DC UPS
Model Number	POE-830P-LFP
Brand Name	SKE
Battery Type	LiFePO4 Battery
Battery Capacity	20000mAh (5000mAh*4pcs)
Electric Energy	64 Wh
Rated Power	18W
Input Voltage	100-240Vac (Wide Range)
Output Ports	USB, POE, DC, Type-C
DC Output	5V, 9V (2A), 12V (1.5A)
POE Output	24V, 48V

Feature	Detail
Transfer Time	0ms
Protection	Short Circuit, Over-Current, Over-Temperature, Over-Voltage, Electric-Shock

Dimensions	206 x 160 x 35mm
Weight	0.64kg
Application	Networking
Certification	CE
Color	White/Black
Warranty	1 year

SETUP INSTRUCTIONS

1. **Charge the UPS:** Connect the provided power cable to the "INPUT 100-240Vac" port on the UPS and then to a wall outlet. The battery indicator lights will illuminate to show charging progress. Ensure the unit is fully charged before first use for optimal performance.
2. **Determine Device Voltage:** Identify the required input voltage for the device you wish to power (e.g., router, modem). This information is usually found on the device's power adapter or label.
3. **Select DC Output Voltage (if applicable):** If your device requires 9V or 12V DC, use the "SELECTOR 9V/12V" switch on the rear panel to choose the correct voltage. For 5V devices, no selection is needed for USB/Type-C ports.
4. **Connect Your Device:**
 - For DC-powered devices (e.g., routers, modems): Connect one end of the appropriate DC cable to the "DC OUTPUT" port on the UPS and the other end to your device's power input.
 - For USB-powered devices: Connect a USB cable to the "USB 5V" port or a Type-C cable to the "TYPE-C OUTPUT" port and then to your device.
 - For POE-powered devices (e.g., IP cameras, some access points): Connect an Ethernet cable from your device to the "LAN 24V POE" or "LAN 48V POE" port, ensuring the voltage matches your device's requirements.
5. **Power On:** The UPS typically operates automatically when connected to both input power and devices. During a power outage, it will seamlessly switch to battery backup.

OPERATING INSTRUCTIONS

- **Automatic Operation:** Once connected and powered, the UPS will automatically provide power to your connected devices. In the event of a power failure, it will switch to battery power without interruption. When grid power is restored, it will automatically recharge its internal battery.
- **Battery Level Indicators:** Monitor the 25%, 50%, 75%, and 100% indicator lights on the front panel to check the remaining battery capacity.
- **Voltage Indicators:** The 5V, 9V, or 12V indicator light will show the currently selected DC output voltage.
- **Status Indicator:** The "STATUS" light indicates the overall operational state of the UPS. Refer to the specific light patterns (e.g., solid, blinking) for detailed status information (if provided in a more detailed manual, otherwise assume basic on/off).
- **Reset Function:** If the unit malfunctions or becomes unresponsive, press the "RESET" button on the rear panel to restart it.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the UPS. Do not use liquid cleaners or solvents.
- **Battery Care:**
 - To prolong battery life, avoid fully discharging the unit frequently.
 - Store the UPS in a cool, dry place away from direct sunlight and extreme temperatures.
 - If storing for an extended period, charge the unit to approximately 50-70% every 3-6 months.
- **Ventilation:** Ensure the UPS has adequate ventilation and that its vents are not blocked to prevent overheating.

TROUBLESHOOTING

Problem	Possible Cause	Solution
UPS not turning on/charging	No input power; UPS battery fully discharged; Faulty power cable.	Ensure the input power cable is securely connected to both the UPS and a working wall outlet. Allow the unit to charge for several hours. Try a different power cable if available.
Connected device not receiving power	Incorrect voltage selected; Device cable not properly connected; Device requires more power than UPS can provide; UPS battery is depleted.	Verify the correct voltage is selected (9V/12V switch). Ensure all cables are firmly connected. Check device power requirements against UPS output specifications. Recharge the UPS if the battery is low.

Problem	Possible Cause	Solution
Short backup time	High power consumption by connected devices; Battery degradation over time.	Reduce the number or power consumption of connected devices. Ensure the UPS is fully charged. Battery capacity naturally decreases over its lifespan.
UPS is hot to the touch	Overload; Poor ventilation.	Disconnect some devices to reduce load. Ensure the UPS is in a well-ventilated area and its vents are clear. If overheating persists, discontinue use and contact support.

USER TIPS

- **Verify Voltage:** Always double-check the voltage requirements of your devices before connecting them to the UPS, especially when using the 9V/12V selector. Incorrect voltage can damage your devices.
- **Cable Management:** Use the shortest possible cables for connections to minimize power loss and maintain a tidy setup.
- **Initial Charge:** For the best initial performance and battery calibration, fully charge the UPS before its first use.

WARRANTY AND SUPPORT

The SKE Mini UPS (Model: POE-830P-LFP) comes with a 1-year warranty from the date of purchase, covering manufacturing defects. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or warranty inquiries, please contact your retailer or the manufacturer directly. Refer to the contact information provided on the Guarantee Certificate or the seller's website.