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## Skazeke MD1 Pro

# Skazeke Mini UPS Uninterrupted Power Supply MD1 Pro User Manual

MODEL: MD1 PRO

## Introduction

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This manual provides detailed instructions for the safe and efficient use of your Skazeke Mini UPS Uninterrupted Power Supply MD1 Pro. This device is designed to provide backup power for various DC-powered devices, ensuring continuous operation during power outages. Please read this manual thoroughly before using the product.

## Product Overview

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The Skazeke Mini UPS MD1 Pro is a compact and portable uninterruptible power supply featuring a 20000mAh (74Wh) lithium-ion battery. It offers multiple output ports to power various devices simultaneously, providing a reliable power source for your essential electronics.



Figure 1: Skazeke Mini UPS MD1 Pro, a compact black device with multiple DC output ports, a USB port, and power indicators on its front panel.

### Key Features:

- **Uninterrupted Power:** Provides automatic power to connected equipment during outages, ensuring continuous operation.
- **Unique Power Sharing Function:** Allows selection of 9V or 12V for any of the DC2, DC3, or DC4 ports, with a total power of 6A across these 3 ports, or exclusive 6A access to a single port (all selected power sharing ports must be set to the same voltage).
- **Large Capacity & Portability:** Equipped with a built-in 20000mAh (74Wh) battery pack and USB 5V/2A output, it can also function as a regular power bank. Its compact size (6.3 x 4.33 x 1.18 inches, 1.4 pounds) makes it easy to carry.
- **Multi-Port Compatibility:** Supports 1x 5V/2A USB, 1x 5V/2A DC, 1x 9V/6A DC, and 2x 12V/6A DC outputs, compatible with devices like wireless routers, modems, LED lights, and security cameras.
- **Multiple Intelligent Protection:** Features short circuit protection, voltage fluctuation protection, overcharging protection, over-discharge protection, temperature protection, and overcurrent protection for safe use.

### Package Contents

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Please verify that all the following items are present in your product package:

- 1 x Skazeke Mini UPS (20000mAh)
- 4 x DC Cables
- 1 x Charger (Max 19V/6A)
- 9 x DC Adapters
- 1 x User Manual (electronic version can also be downloaded)

## Setup Instructions

### 1. Initial Charging

Before first use, it is recommended to fully charge the UPS. Connect the provided charger to the UPS input port. The blue LED battery indicator lights will illuminate and flash to show charging progress. All four lights will be solid when fully charged.



Figure 2: The input port for charging the UPS is located on the side. Blue LED lights indicate the current battery level and charging status.

### 2. Connecting Your Devices

Follow these steps to connect your devices to the UPS:

- 1. Identify Device Voltage and Current:** Carefully check the power specifications (voltage and current) of your device (e.g., router, modem, camera). Ensure the device's current requirement is within the UPS's maximum output of 6A.
- 2. Select Appropriate DC Cable and Adapter:** Choose a DC cable and one of the nine DC adapters that physically fit and match your device's power input.

3. **Connect to UPS:** Plug the DC cable (with the correct adapter) into the corresponding output port on the UPS (5V, 9V, or 12V). Ensure the voltage selected on the UPS matches your device's requirement.
4. **Connect to Device:** Plug the other end of the DC cable into your device's power input.
5. **Power On:** Press the power button on the UPS to activate the output. Your device should now receive power.

Your browser does not support the video tag.

*Video 1: This video demonstrates the correct procedure for connecting a router to the Skazeke Mini UPS, ensuring proper power supply.*

## Multi port output, Charge 5 at Once

Mini uninterruptible power supply back up battery pack can power for most 5V/9V/12V DC equipment, wireless routers, telephone, LED strip, monitor cameras, etc



Camera



Routers



Modems



UAV



LED Light



Aquarium



phone



*Figure 3: The Skazeke Mini UPS can power up to five devices simultaneously, including routers, modems, cameras, and smartphones, using its various DC and USB output ports.*

### 3. Power Sharing Function

The UPS features a unique power sharing function for DC2, DC3, and DC4 ports. These ports can be individually set to either 9V or 12V using the switches next to them.

- All three ports (DC2, DC3, DC4) can collectively provide up to 6A of power.
- Alternatively, a single port can be used exclusively for a 6A output.

- **Important:** When using the power sharing function, all selected power sharing ports must be set to the same voltage (either 9V or 12V).

## Devices that support any current below 3A.

The voltage of the UPSDC2, DC3, and DC4 interfaces is not fixed and can be switched freely between 9V/12V.

Loser





Can be set separately for 9V or 12V

Power sharing not enabled

Winner





Two interfaces already share power

Enable power sharing

Winner





Three interfaces already share power

Figure 4: This image explains the power sharing capability, where DC2, DC3, and DC4 ports can be configured for 9V or 12V output, with a maximum combined current of 6A.

#### 4. Mounting the UPS (Optional)

The UPS is designed with an intimate hook design on the back, allowing for wall mounting. Screws are not provided in the package.

Your browser does not support the video tag.

Video 2: This video demonstrates how to utilize the integrated hook design on the back of the UPS for wall mounting.

### Operating Instructions

#### Power On/Off

Press and hold the **POWER** button (located on the front panel) for a few seconds to turn the UPS on or off. The blue LED indicators will illuminate when the device is active.

## Monitoring Battery Level

The four blue LED lights on the front panel indicate the remaining battery capacity. Each light represents approximately 25% of the battery charge.

## Automatic Backup Function

When the UPS is connected to your devices and the main power supply, it will automatically switch to battery power during a power outage. This ensures your connected devices continue to operate without interruption.

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*Video 3: This video provides an overview of the Skazeke MD1 Pro Mini UPS, highlighting its features such as 114W power supply, adjustable voltage, and compatibility with multiple devices.*

## Safety Precautions

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The Skazeke Mini UPS MD1 Pro is equipped with multiple intelligent protection features to ensure safe and reliable operation. Adhere to the following guidelines:

- **Short Circuit Protection:** Prevents damage from short circuits.
- **Voltage Fluctuation Protection:** Safeguards against unstable input voltage.
- **Overcharging Protection:** Stops charging once the battery is full to prevent overcharge.
- **Over-discharge Protection:** Prevents the battery from discharging too deeply, extending its lifespan.
- **Temperature Protection:** Monitors internal temperature to prevent overheating.
- **Overcurrent Protection:** Shuts down if connected devices draw excessive current.
- **Restoration Protection:** Ensures safe recovery after a protection event.
- **Timed Shutdown Protection:** Automatically shuts down under certain conditions to conserve power or prevent issues.

Always ensure your device's voltage and current requirements are compatible with the UPS output settings to avoid damage to both the UPS and your equipment.

## Troubleshooting

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### Battery Indicator Light Flashing Continuously

If the battery indicator light flashes continuously while charging, it indicates that the input adapter voltage does not match the UPS voltage. Ensure you are using the correct charger (Max 19V/6A) and that its output voltage is compatible with the UPS input.

### Voltage Indicator Light Flashing Continuously

If the voltage indicator light flashes continuously, it means your connected device is drawing more than 6A of current. Disconnect the device immediately to prevent damage to both the UPS and your equipment. Verify your device's current requirements and ensure they do not exceed the UPS's maximum output.

### Device Not Receiving Power

- Check if the UPS is powered on by pressing the **POWER** button.
- Verify that all DC cables and adapters are securely connected to both the UPS and your device.
- Ensure the selected output voltage on the UPS (5V, 9V, or 12V) matches your device's power requirements.
- Check the battery level of the UPS using the LED indicators. Recharge the UPS if the battery is low.
- Confirm that your device's power input is functioning correctly by testing it with its original power adapter.

## Technical Specifications

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Feature	Specification
Product Dimensions	6.3 x 4.33 x 1.18 inches
Item Weight	1.1 pounds
Model Number	MD1 Pro
Battery Type	5 Lithium Ion batteries (included)
Battery Capacity	20000mAh (74Wh)
Output Ports	1x 5V/2A USB, 1x 5V/2A DC, 1x 9V/6A DC, 2x 12V/6A DC
Max Output Current	6A (shared across DC2, DC3, DC4)
Input Voltage (Charger)	Max 19V/6A
Color	Black

## Maintenance

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To ensure the longevity and optimal performance of your Skazeke Mini UPS, please follow these maintenance guidelines:

- **Storage:** Store the device in a cool, dry place away from direct sunlight, extreme temperatures, and corrosive materials.
- **Environmental Conditions:** Avoid exposing the UPS to water or excessive humidity.
- **Battery Care:** Recharge the battery regularly, even if not in continuous use, to maintain battery health and prevent deep discharge. It is recommended to fully charge the unit every 3-6 months if stored.
- **Cleaning:** Clean the exterior of the UPS with a soft, dry cloth. Do not use harsh chemicals, solvents, or abrasive cleaners.
- **Service:** Do not attempt to open, disassemble, or repair the device yourself. This may void your warranty and pose safety risks. Contact customer support for any service needs.

## Warranty and Support

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For any questions, concerns, or issues regarding your Skazeke Mini UPS MD1 Pro, please contact Skazeke customer support. Refer to the product packaging or the official Skazeke website for the most up-to-date contact details.

The product comes with a manufacturer's warranty. Please retain your proof of purchase for any warranty claims. Unauthorized repairs or modifications may void the warranty.