

Green Cell UPS09

Green Cell UPS 2000VA 1400W Power Proof Instruction Manual

Model: UPS09

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1. INTRODUCTION

The Green Cell UPS (Uninterruptible Power Supply) is designed to provide continuous power to connected devices during power outages and voltage fluctuations. This device protects your electronic equipment from potential damage and ensures that your work can be safely saved and systems properly shut down. Equipped with high-quality Green Cell AGM batteries, the UPS09 model delivers stable and reliable power parameters.

This manual provides essential information for the safe and efficient use of your Green Cell UPS. Please read it thoroughly before installation and operation.

Vad är en UPS? Vad används den till?

En UPS (Uninterruptible Power Supply) är en anordning vars syfte är att tillhandahålla ström när det inte finns någon ström i hemmet eller på arbetsplatsen. Ett plötsligt strömavbrott kan inte bara leda till förlust av viktiga data, utan också till skador på elektronisk utrustning. Nödströmförsörjningen gör det möjligt för oss att spara effekterna av vårt arbete och stänga av enheten på ett säkert sätt. Tack vare de inbyggda batterierna kan nätaggregatet ta över rollen som ett eluttag och upprätthålla strömförsörjningen även vid stora och långvariga spänningsfluktuationer. När det finns ström i uttaget lagrar UPS-enheten energi i batteriet och ger tillräckligt skydd mot överspänningar för den anslutna utrustningen.

Image 1.1: An illustration explaining the purpose and function of an Uninterruptible Power Supply (UPS).

2. IMPORTANT SAFETY INSTRUCTIONS

Please follow these safety precautions to prevent injury and damage to the UPS or connected equipment:

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not operate the UPS in environments with excessive dust, humidity, or extreme temperatures.
- Ensure the UPS is connected to a grounded power outlet.
- Do not connect non-computer-related loads such as medical equipment, life support systems, or other critical devices to the UPS.
- Position the UPS in a well-ventilated area, away from direct sunlight and heat sources.
- In case of fire, use a CO2 or dry chemical extinguisher. Do not use water.
- Disconnect the UPS from the power outlet before cleaning or performing any maintenance.

3. PRODUCT OVERVIEW

The Green Cell UPS09 is a Line-Interactive UPS designed for reliable power backup. It features a clear LCD screen for monitoring operational parameters and multiple output sockets for various devices.

3.1 Front Panel



Image 3.1: Front view of the UPS, highlighting the LCD screen and power button.

- **LCD Screen:** Displays real-time information such as input/output voltage, battery level, load percentage, and operational status.
- **Power Button:** Used to turn the UPS on or off.

3.2 Rear Panel



Image 3.2: Rear panel of the UPS, illustrating the various input and output ports.

- **Input Power Cord:** Connects the UPS to the main power outlet.

- **Schuko Outlets (2x):** Provides battery backup and surge protection for connected devices.
- **IEC Outlets (3x):** Provides battery backup and surge protection for connected devices.
- **USB Port:** For connecting to a computer to use the UPS management software.
- **RJ45 (IN/OUT) Ports:** For network/telephone line surge protection.
- **Circuit Breaker/Reset Button:** Resets the UPS in case of an overload.
- **Cooling Fan:** Ensures proper ventilation and prevents overheating.



Image 3.3: Detailed view of the UPS ports and their labels for easy identification.

4. SETUP INSTRUCTIONS

4.1 Unpacking and Placement

- Carefully remove the UPS from its packaging.
- Place the UPS in a cool, dry, and well-ventilated indoor environment. Avoid direct sunlight, heat sources, and areas with high humidity or dust.
- Ensure there is sufficient space around the UPS for proper airflow, especially around the cooling fan.

4.2 Initial Charging

Before initial use, connect the UPS to a standard wall outlet and allow it to charge for at least 8 hours. This ensures the internal batteries are fully charged and ready to provide optimal backup power.

4.3 Connecting Devices

Connect your computer, monitor, router, and other critical electronic devices to the UPS output sockets (Schuko or IEC). Ensure the total power consumption of connected devices does not exceed the UPS's rated capacity (1400W).



Image 4.1: The UPS connected to a typical desktop computer and monitor setup.



Image 4.2: The UPS providing power to a television and gaming console, ensuring uninterrupted entertainment.

4.4 Software Installation (Optional)

For advanced monitoring and management features, connect the UPS to your computer via the USB port. Download and install the Green Cell UPS management software from the official Green Cell website. This software allows you to:

- Monitor UPS status and battery levels in real-time.
- Configure automatic shutdown procedures for connected devices during extended power outages.
- Receive notifications and alerts.
- Analyze power usage and history.

5. OPERATING INSTRUCTIONS

5.1 Turning the UPS On/Off

- **To Turn On:** Press and hold the power button on the front panel for a few seconds until the LCD screen

illuminates and the UPS emits a short beep.

- **To Turn Off:** Press and hold the power button for a few seconds until the LCD screen turns off and the UPS emits a long beep.

5.2 Understanding the LCD Display

The LCD screen provides critical information about the UPS's status. Common indicators include:

- **Input Voltage:** The voltage received from the wall outlet.
- **Output Voltage:** The voltage supplied to connected devices.
- **Battery Level:** Indicates the remaining charge of the internal batteries.
- **Load Percentage:** Shows the percentage of the UPS's capacity currently being used by connected devices.
- **Operating Mode:** Indicates whether the UPS is operating on utility power (AC mode) or battery power (Battery mode).

5.3 Line-Interactive Operation

The Green Cell UPS09 features Line-Interactive AVR (Automatic Voltage Regulation) topology. This means it continuously monitors the incoming power and automatically adjusts the output voltage to a safe level without switching to battery power, protecting against sags and surges. In the event of a complete power outage, the UPS switches to battery power within 2-6 milliseconds, ensuring uninterrupted operation for your devices.

5.4 Battery Runtime

The battery runtime of the UPS is approximately 50 minutes, depending on the total load connected. This provides ample time to save your work and safely shut down your systems during a power failure.

6. MAINTENANCE

6.1 Battery Care

- To maximize battery life, ensure the UPS is always connected to a power outlet to keep the batteries charged.
- Perform a full discharge and recharge cycle every 3-6 months to calibrate the battery and ensure optimal performance.
- Batteries are consumable items and will eventually need replacement. The expected lifespan of the internal AGM batteries is up to 5 years under normal operating conditions.
- **Battery Replacement:** Battery replacement should only be performed by qualified personnel. Contact Green Cell support for guidance on obtaining replacement batteries and service.

6.2 Cleaning

- Disconnect the UPS from the power outlet before cleaning.
- Use a soft, dry cloth to wipe the exterior of the UPS. Do not use liquid cleaners or aerosols.
- Keep the ventilation openings clear of dust and debris to ensure proper cooling.

6.3 Storage

If storing the UPS for an extended period, ensure it is fully charged before storage. Recharge the UPS every 3 months to prevent battery degradation.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your Green Cell UPS. If the problem persists after following these steps, please contact customer support.

Problem	Possible Cause	Solution
UPS does not turn on.	No power from the wall outlet; UPS battery is completely discharged; Power button not pressed correctly.	Check the wall outlet and power cord. Allow the UPS to charge for 8 hours. Press and hold the power button firmly.
UPS beeps continuously in AC mode.	Overload condition; Internal fault.	Reduce the load by disconnecting non-essential devices. If the problem persists, contact support.
Short battery runtime.	Battery not fully charged; Battery nearing end of life; Excessive load.	Ensure the UPS is fully charged. Reduce the connected load. Consider battery replacement if the battery is old.
UPS does not provide power during an outage.	Battery discharged; UPS not connected to devices.	Ensure the UPS is fully charged. Verify devices are correctly plugged into the UPS output sockets.

8. TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	Green Cell
Model	UPS09
Apparent Power (VA)	2000 VA
Active Power (W)	1400 W
Output Voltage	230V (AC)
Output Waveform	Pure Sine Wave
Battery Type	Lead-Acid, AGM (2 x 12V/9Ah)
Battery Charging Time	8 Hours
Typical Runtime	50 minutes (depending on load)
Switchover Time	2-6 milliseconds
Outlets	2 x Schuko, 3 x IEC (Total 5)
Connectivity	USB
Surge Protection	Yes (for power and network lines)
Form Factor	Tower
Dimensions	20 x 15.8 x 38 cm
Weight	11000 Grams (11 kg)
Certifications	CE, GS

9. WARRANTY AND SUPPORT

9.1 Warranty Information

The Green Cell UPS09 comes with a **2-year manufacturer's warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

The warranty does not cover damage caused by improper installation, misuse, unauthorized modifications, natural disasters, or normal wear and tear of consumable parts like batteries.

9.2 Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please contact Green Cell customer support. You can usually find contact information on the official Green Cell website or through your retailer.

When contacting support, please have your product model (UPS09) and proof of purchase readily available.