

Green Cell UPS03

Green Cell UPS 1000VA 600W Uninterruptible Power Supply Instruction Manual

Model: UPS03

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation of your Green Cell UPS 1000VA 600W. Please read this manual thoroughly before installation and use, and retain it for future reference. The Uninterruptible Power Supply (UPS) is designed to protect your electronic devices from power outages, surges, and fluctuations, ensuring continuous operation and safe shutdown.

2. SAFETY INSTRUCTIONS

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not expose the UPS to rain, moisture, or excessive humidity.
- Ensure proper ventilation around the UPS. Do not block ventilation openings.
- Place the UPS on a stable, flat surface.
- Connect the UPS only to a grounded power outlet.
- Do not connect non-computer related equipment such as medical devices, life support equipment, or household appliances to the UPS.
- In case of fire, use a dry chemical extinguisher. Water can cause electrical shock.

3. PACKAGE CONTENTS

- Green Cell UPS 1000VA 600W (Model UPS03)
- Power cable (C13)
- USB cable
- Instruction Manual

4. SETUP

4.1 Unpacking and Inspection

Carefully unpack the UPS and inspect it for any shipping damage. If any damage is found, do not operate the unit and contact your dealer.

4.2 Placement

Place the UPS in a clean, dry, and well-ventilated area, away from direct sunlight, heat sources, and excessive dust. Ensure there is adequate space around the unit for proper airflow. The UPS is designed for indoor use only.

4.3 Connecting to Power

1. Connect the provided power cable to the UPS input port and then to a grounded 230V wall outlet.
2. Allow the UPS to charge for approximately 8 hours before initial use to ensure optimal battery performance.
The unit will charge whether it is turned on or off.

4.4 Connecting Devices

The UPS features 2 Schuko outlets and 2 IEC outlets for connecting your equipment. Connect your computer, monitor, and other critical devices to these outlets. These outlets provide battery backup and surge protection.



Figure 1: Rear panel of the Green Cell UPS, illustrating the input power connection, USB and RJ45 ports, and the 2 Schuko and 2 IEC output sockets for connecting protected devices.

4.5 USB/RJ45 Connections

Connect the USB cable from the UPS to your computer to enable monitoring and management via the Green Cell application. The RJ45 ports provide surge protection for network connections (IN/OUT).

5. OPERATING THE UPS

5.1 Powering On/Off

- To turn on the UPS, press and hold the power button on the front panel for a few seconds until the LCD display illuminates.
- To turn off the UPS, press and hold the power button again until the display turns off.

5.2 LCD Display

The LCD display provides real-time information about the UPS status, including input/output voltage, battery charge

level, load percentage, and operational mode (e.g., AC mode, battery mode). Refer to the display for quick status checks.



Figure 2: The Green Cell UPS in an office environment, showcasing its front panel with the illuminated LCD display providing operational status.

5.3 Automatic Voltage Regulation (AVR)

The UPS features Automatic Voltage Regulation (AVR) to stabilize incoming utility power. This function automatically corrects minor voltage fluctuations (sags and surges) without switching to battery power, extending battery life.

5.4 Battery Mode Operation

In the event of a power outage, the UPS will automatically switch to battery power within 2-6 milliseconds. The connected devices will continue to receive power from the UPS batteries. The backup time can be up to 30 minutes, depending on the connected load. The UPS will emit an audible alarm during battery mode operation.



Figure 3: The Green Cell UPS providing power protection for entertainment systems, demonstrating its versatility in various home setups.

5.5 Software Management

Install the Green Cell application on your computer (connected via USB) to access advanced UPS management options. This software allows you to:

- Monitor UPS status and power parameters in real-time.
- Receive notifications about power events.
- Schedule automatic shutdowns for connected devices during extended power outages.
- Perform battery self-tests.

6. MAINTENANCE

6.1 Battery Care

The UPS uses two 12V/7Ah AGM lead-acid batteries. To maximize battery lifespan:

- Ensure the UPS is kept in a cool, dry environment.
- Avoid frequent deep discharges.
- Perform a battery self-test via the software periodically (e.g., every 3-6 months).
- Batteries typically have a lifespan of 2-5 years, depending on usage and environmental conditions. If the backup time significantly decreases, battery replacement may be necessary. Battery replacement should be performed by qualified personnel.

6.2 Cleaning

Clean the exterior of the UPS with a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and debris.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your UPS. For problems not listed here, please contact technical support.

Problem	Possible Cause	Solution
UPS does not turn on	No input power; Battery discharged; Power button not held long enough.	Check power cable connection and wall outlet. Allow UPS to charge for 8 hours. Press and hold power button for 3-5 seconds.
UPS beeps continuously in AC mode	Overload; Internal fault.	Reduce connected load. If problem persists, contact support.
Short backup time	Battery not fully charged; Battery nearing end of life; Overload.	Allow UPS to charge fully. Reduce connected load. Consider battery replacement if batteries are old.
High-pitched sound (coil whine)	Normal operational characteristic for some electronic components.	This is often a characteristic of the unit and not a fault. Ensure proper ventilation. If the sound is excessively loud or new, contact support.
Plastic/chemical smell	New unit off-gassing; Overheating.	Ensure good ventilation. The smell should dissipate over a few days. If it persists or is accompanied by smoke, immediately disconnect the unit and contact support.
Software not connecting via USB	Incorrect driver; USB cable issue; Software not installed correctly.	Ensure correct drivers are installed. Try a different USB port or cable. Reinstall the Green Cell application.

8. SPECIFICATIONS

Feature	Specification
Model	UPS03
Capacity	1000VA (600W)

Feature	Specification
Input Voltage	230V
Output Voltage	230V
Output Waveform	Modified Sine Wave
Transfer Time	2-6 milliseconds
Outlets	2x Schuko, 2x IEC
Battery Type	2x 12V/7Ah AGM Lead-Acid
Recharge Time	8 hours to 90% capacity
Interfaces	USB, RJ45 (surge protection)
Dimensions (L x W x H)	50 x 50 x 28 cm
Weight	7 kg
Operating Temperature	0-40°C (32-104°F)
Humidity	0-90% RH (non-condensing)

9. WARRANTY AND SUPPORT

9.1 Warranty Information

Specific warranty terms and conditions may vary by region and retailer. Please refer to the warranty card included with your product or contact your point of purchase for detailed warranty information.

9.2 Technical Support

For technical assistance, troubleshooting beyond this manual, or service inquiries, please contact the retailer or the manufacturer, CSG S.A., directly. Contact information can typically be found on the product packaging or the manufacturer's official website.