

Green Cell UPSLPPC1000

Green Cell PowerCore UPS 1500VA 1000W User Manual

Model: UPSLPPC1000

1. INTRODUCTION AND OVERVIEW

The Green Cell PowerCore UPS (Uninterruptible Power Supply) is designed to provide reliable backup power and protect your electronic devices from power outages, voltage fluctuations, and surges. This model, with a capacity of 1500VA/1000W, features a pure sine wave output, an intuitive LCD display, and requires an external 12V DC battery for operation. It is ideal for home networks, office equipment, security systems, and sensitive electronics requiring stable power.

2. SAFETY INSTRUCTIONS

Please read and follow these safety instructions carefully before installing or operating the UPS. Failure to do so may result in electric shock, fire, or serious injury.

- **External Battery Requirement:** This UPS requires an external 12V DC battery (not included) to function. Do not attempt to operate the unit without a properly connected external battery.
- **Qualified Personnel:** The UPS contains hazardous voltages. Repairs should only be performed by authorized service personnel. Any attempt to open or repair the unit by an unqualified user could be dangerous.
- **Ventilation:** Ensure adequate ventilation around the UPS. Do not block ventilation openings. Maintain a minimum clearance of 10 cm (4 inches) on all sides.
- **Environment:** Install the UPS in a clean, dry, and temperature-controlled indoor environment. Avoid direct sunlight, heat sources, and areas with excessive dust or humidity.
- **Liquid Contact:** Do not expose the UPS to rain, water, or any other liquids. Do not place containers with liquids on or near the unit.
- **Grounding:** Always connect the UPS to a grounded power outlet.
- **Overload:** Do not overload the UPS. Ensure the total power consumption of connected devices does not exceed the UPS's rated capacity (1000W).
- **Emergency Disconnect:** In an emergency, disconnect the UPS from the mains power supply and disconnect the external battery immediately.

3. PRODUCT OVERVIEW

Familiarize yourself with the components of your Green Cell PowerCore UPS.

Front Panel



Figure 3.1: Front Panel with LCD Display

The front panel features an intuitive LCD display that provides real-time information on the UPS status, including input/output voltage, load level, and battery capacity. It also includes a power button and a mute button for alarms.

Rear Panel



Figure 3.2: Rear Panel Connectors

The rear panel provides all necessary connection points:

1. **AC Input:** For connecting the UPS to the mains power supply.
2. **Schuko Outlets (2x):** For connecting your devices to be protected.
3. **DC Battery Terminals (+/-):** For connecting the external 12V DC battery.
4. **Charging Current Switch (L/M/H):** Allows adjustment of the battery charging current.
5. **Circuit Breaker:** Provides overload protection.
6. **Cooling Fan:** Ensures proper heat dissipation.

Component Diagram

UPS Food Marque Greencell



Protège les appareils contre les pannes de courant et les surtensions, garantissant une alimentation électrique continue en cas de panne.



Il fonctionne avec une batterie AGM externe, dont la capacité peut être librement sélectionnée en fonction des besoins de l'utilisateur. Contrairement aux autres modèles d'alimentation de secours GreenCell, il ne dispose pas de batterie intégrée.



Il est idéal pour les applications plus exigeantes, telles que les fours de chauffage central, les pompes à chaleur ou les équipements techniques spécialisés.



Il dispose d'un écran fonctionnel, d'un boîtier solide et de câbles de connexion durables permettant un fonctionnement fiable dans toutes les conditions.

Figure 3.3: Labeled Components (1. Charger, 2. Display, 3. Audible Alarm Switch, 4. Sockets, 5. Removable Fuse, 6. DC Cables)

4. SETUP

Follow these steps to set up your Green Cell PowerCore UPS.

1. **Unpack the UPS:** Carefully remove the UPS from its packaging. Inspect for any damage.
2. **Placement:** Place the UPS on a stable, flat surface in a well-ventilated area, away from direct sunlight, heat, and moisture. Ensure sufficient clearance for airflow.
3. **Connect External Battery:**



Qui est le plus fort ?

Application

Une alimentation sans interruption (UPS) fournit une alimentation stable et continue aux appareils en cas de panne de courant soudaine. Une panne de courant peut endommager l'équipement, mais l'onduleur connecté vous donne le temps de rétablir l'alimentation ou d'éteindre l'appareil en toute sécurité.

Figure 4.1: UPS with External Battery Connection

Connect a 12V DC external battery (AGM type recommended) to the DC battery terminals on the rear panel. Ensure correct polarity: connect the red cable to the positive (+) terminal and the black cable to the negative (-) terminal. This connection is mandatory for the UPS to operate.

4. **Set Charging Current:** Adjust the 'CHARGING CURRENT' switch on the rear panel to match the capacity of your external battery. Refer to your battery's specifications for the appropriate charging current (Low/Medium/High).
5. **Connect to Mains Power:** Plug the UPS's AC input cable into a grounded wall outlet.
6. **Connect Devices:** Plug your electronic devices (e.g., computer, monitor, router) into the Schuko output sockets on the rear panel of the UPS. Do not exceed the UPS's maximum load capacity of 1000W.

5. OPERATING INSTRUCTIONS

Powering On/Off

- **To Power On:** Press and hold the power button on the front panel for approximately 3 seconds until the LCD display illuminates and the UPS emits a short beep.
- **To Power Off:** Press and hold the power button for approximately 3 seconds until the LCD display turns off.

Understanding the LCD Display

The LCD display provides critical information about the UPS status:

- **Input Voltage:** Shows the current voltage from the mains power supply.
- **Output Voltage:** Displays the voltage supplied by the UPS to connected devices.
- **Load Level:** Indicates the percentage of the UPS's capacity being used by connected devices.
- **Battery Capacity:** Shows the charge level of the external battery.
- **Status Indicators:** Icons may light up to indicate utility mode, battery mode, overload, or other warnings.

Mute Function

During a power outage or certain alarm conditions, the UPS may emit an audible alarm. Press the mute button on the front panel to silence the alarm temporarily.

Pure Sine Wave Output

The Green Cell PowerCore UPS provides a pure sine wave output, which is identical to the power supplied by the utility grid. This ensures compatibility and safe operation for sensitive electronics such as PCs, servers, refrigerators, and heating systems, preventing damage or malfunctions caused by unstable voltage.

6. MAINTENANCE

Proper maintenance ensures the longevity and reliable performance of your UPS.

- **Battery Care:** Since an external battery is used, regularly check its connections for corrosion and ensure they are secure. Follow the battery manufacturer's guidelines for maintenance and replacement.
- **Cleaning:** Keep the UPS clean and free of dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents. Ensure ventilation openings are clear.
- **Regular Checks:** Periodically test the UPS by disconnecting it from the mains power to ensure it switches to battery mode correctly and provides backup power.
- **Fuse Replacement:** If the UPS has a user-serviceable fuse (refer to Figure 3.3, item 5), ensure to replace it with a fuse of the exact same type and rating if it blows. Always disconnect the UPS from all power sources before attempting fuse replacement.

7. TROUBLESHOOTING

If you encounter issues with your UPS, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
UPS does not power on	No external battery connected or battery discharged.	Ensure a 12V external battery is correctly connected and charged.
No backup power during outage	External battery not connected, faulty, or fully discharged.	Check battery connections. Test or replace the external battery.
Overload alarm / UPS shuts down	Too many devices connected, exceeding 1000W capacity.	Disconnect non-essential devices. Reduce the total load.
Battery not charging	Mains power issue, incorrect charging current setting, or faulty battery.	Check mains power. Verify charging current switch setting. Inspect or replace battery.
UPS emits continuous beeping	Low battery, overload, or other fault.	Check LCD display for specific error codes. Address the underlying issue (e.g., reduce load, charge battery). Press mute button to silence.
Circuit breaker tripped	Overload or short circuit.	Disconnect devices, reset the circuit breaker on the rear panel. Reconnect devices one by one to identify the faulty one.

If the problem persists after attempting these solutions, please contact Green Cell customer support for further assistance.

8. SPECIFICATIONS

Detailed technical specifications for the Green Cell PowerCore UPS 1500VA 1000W.

Feature	Specification
Brand	Green Cell

Feature	Specification
Model Number	UPSLPPC1000
Power Capacity	1000 W / 1500 VA
Input Voltage	230 Volts AC
Output Voltage	230 Volts
Output Current	4.35 A
Output Waveform	Pure Sine Wave
Battery Type Required	External 12V DC (not included)
Form Factor	Stationary - Floor-standing
Color	Grey or Silver
Material	Metal
Connections	Schuko outlets, Battery connectors
Features	LCD display, Automatic Voltage Regulation (AVR), Surge Protection, Overheat Protection
Manufacturer	CSG S.A.
Country of Origin	China

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty card included with your product or visit the official Green Cell website. Keep your purchase receipt as proof of purchase.