

Green Cell UPSLM480

Green Cell UPS 850VA 480W PowerProof with LCD Screen User Manual

Model: UPSLM480 | Brand: Green Cell

1. INTRODUCTION AND OVERVIEW

An Uninterruptible Power Supply (UPS) is a device designed to provide temporary electrical power during a power outage. This ensures the continuous operation of critical equipment, preventing data loss, hardware damage, and security system interruptions. The Green Cell UPS 850VA 480W PowerProof is engineered to protect your sensitive devices, such as computers, routers, and network equipment, from power failures, voltage surges, and fluctuations.

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

2. SAFETY INSTRUCTIONS

To ensure safe operation and prevent damage to the unit or connected devices, observe the following safety precautions:

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Keep the UPS away from water, excessive humidity, and extreme temperatures.
- Ensure adequate ventilation around the UPS. Do not block ventilation openings.
- Connect the UPS only to a grounded electrical outlet.
- Do not connect non-computer related equipment (e.g., medical equipment, life support systems) to the UPS.
- Disconnect the UPS from the power outlet before cleaning. Use a dry cloth only.
- The battery inside the UPS is not user-replaceable. Battery replacement should only be performed by qualified personnel.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Green Cell UPS 850VA 480W PowerProof Unit
- User Manual (this document)
- Power Cable

4. PRODUCT FEATURES

The Green Cell UPS 850VA 480W PowerProof offers a range of features designed for optimal power protection and user convenience:

- **Reliable Power Protection:** Safeguards sensitive devices against power outages, surges, and voltage fluctuations.
- **LCD Screen:** An integrated LCD provides clear information on the UPS's current operating status, including battery status, input/output voltage, and error messages.
- **Uninterrupted Power Supply:** Features a fast switching time of 2-6ms, ensuring continuous power to your devices during sudden power cuts.
- **Long Backup Power:** Equipped with a durable 12V/9Ah battery, providing reliable backup power until mains electricity is restored.
- **Surge Protection:** Offers comprehensive protection against surges and short circuits caused by sudden power spikes.
- **AVR System:** Automatic Voltage Regulation (AVR) system controls voltage to protect your hardware.
- **Cold Start Mode:** Allows the UPS to be started without being connected to the mains power supply.
- **RJ45 Ports:** Additional RJ45 ports for network protection.

Connexion facile et protection immédiate de l'appareil

Ports RJ45
supplémentaires



Protection contre la
surcharge, la
décharge
et la surcharge

Temps de commutation rapide

Figure 4.1: Easy connection and immediate device protection with RJ45 ports, surge protection, and fast switching time.

Mode démarrage à froid

Utilisez l'onduleur sans avoir besoin
de le connecter au réseau



Figure 4.2: Cold Start Mode allows using the UPS without mains connection, as shown in a photography studio setting.

Contrôle de tension grâce au système AVR pour la sécurité de votre matériel



Figure 4.3: Voltage control through the AVR system ensures the safety of your equipment, depicted in a home environment.

5. SETUP INSTRUCTIONS

Follow these steps to set up your Green Cell UPS:

1. **Unpack the UPS:** Carefully remove the UPS from its packaging. Inspect for any shipping damage.
2. **Placement:** Place the UPS in a cool, dry, and well-ventilated area. Avoid direct sunlight, heat sources, and areas with excessive dust or moisture. Ensure there is sufficient space around the unit for airflow.
3. **Initial Charging:** Before connecting any devices, plug the UPS into a standard grounded wall outlet using the provided power cable. Allow the UPS to charge for at least 5 hours to ensure the battery is fully charged. This is crucial for optimal battery performance.
4. **Connect Devices:** Once the UPS is fully charged, connect your computer, monitor, router, and other sensitive electronic devices to the output sockets on the back of the UPS. Do not overload the UPS beyond its rated capacity (480W).
5. **Power On:** Press the power button on the front panel of the UPS to turn it on. The LCD screen will illuminate, indicating the UPS is operational.

6. OPERATING INSTRUCTIONS

Understanding the operation of your UPS is key to maximizing its benefits.

6.1 Turning On/Off

- **To Turn On:** Press and hold the power button for approximately 2 seconds until you hear a beep and the LCD screen illuminates.
- **To Turn Off:** Press and hold the power button for approximately 2 seconds until the LCD screen turns off.

6.2 LCD Display

The LCD screen provides real-time information about the UPS status:

Écran LCD dans une nouvelle version
parce que votre confort d'utilisation
est ce qui nous importe le plus

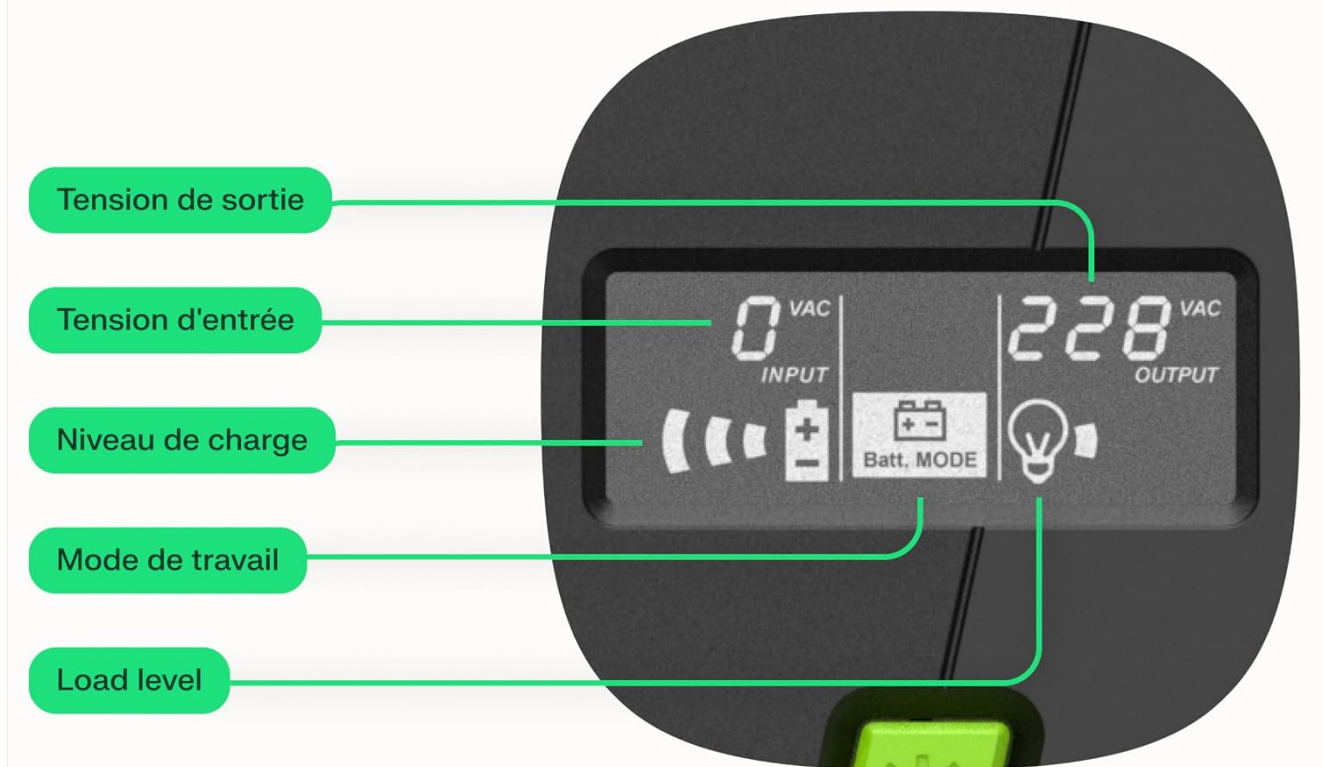


Figure 6.1: The LCD screen displays essential operating parameters for user convenience.

- **Input Voltage (VAC INPUT):** Displays the current voltage from the mains power supply.
- **Output Voltage (VAC OUTPUT):** Shows the voltage supplied by the UPS to connected devices.
- **Battery Status (Batt. Mode):** Indicates the current charge level of the internal battery.
- **Load Level:** Shows the percentage of the UPS's capacity currently being used by connected devices.
- **Operating Mode:** Displays the current operating mode (e.g., Line Mode, Battery Mode).

6.3 Cold Start Function

The cold start function allows you to power on the UPS and connected devices using only battery power, even if there is no mains power available. To activate, ensure the UPS is off, then press and hold the power button until the UPS starts and provides power to the outlets.

7. MAINTENANCE

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

- **Battery Care:** To prolong battery life, ensure the UPS is connected to mains power and fully charged at all times. If the UPS is stored for an extended period, recharge it every 3 months to prevent battery discharge.
- **Cleaning:** Disconnect the UPS from the power outlet before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.
- **Ventilation:** Regularly check that the ventilation openings are clear of dust and obstructions to prevent overheating.
- **Battery Replacement:** The internal battery is a sealed lead-acid type and is not user-replaceable. If the battery needs replacement, contact qualified service personnel or Green Cell support.

8. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
UPS does not turn on	No mains power; Battery fully discharged; Power button not pressed correctly.	Check mains power supply; Allow UPS to charge for several hours; Press and hold the power button for 2 seconds.
Short backup time	Battery not fully charged; Battery nearing end of life; Overload.	Ensure UPS is fully charged; Reduce connected load; Consider battery replacement by service personnel.
UPS beeps continuously	Battery mode activated (power outage); Overload; Battery low.	Save work and shut down devices if power outage persists; Reduce connected load; Allow battery to charge.
LCD display is off	UPS is off; Power saving mode.	Press the power button to turn on; Some models have a display sleep function, press any button to wake.

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

9. SPECIFICATIONS

Detailed technical specifications for the Green Cell UPS 850VA 480W PowerProof:

Feature	Specification
Model Number	UPSLM480
Power Output	850VA / 480W
Input Voltage	230 Volts
Output Voltage	230 Volts

Feature	Specification
Amperage	2 A
Battery Type	1 x 12V/9Ah Lead Acid (included)
Charging Time	5 hours
Dimensions (L x W x H)	14.2 x 29.8 x 10.1 cm
Weight	4.9 Kilograms
Material	Plastic
Manufacturer	CSG S.A.
Country of Origin	China

10. WARRANTY AND SUPPORT

10.1 Warranty Information

This Green Cell UPS is covered by a **2-year manufacturer's warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation.

10.2 Customer Support

For technical assistance, warranty claims, or any questions regarding your Green Cell UPS, please contact our customer support team. Please have your model number (UPSLM480) and proof of purchase ready when contacting support.

Contact Information:

Website: www.greencell.global

Email: [Please refer to the Green Cell website for the most current contact email]

Phone: [Please refer to the Green Cell website for the most current contact phone number]