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CyberPower UT850EG-FR

CyberPower UT850EG-FR UPS User Manual

Model: UT850EG-FR

1. INTRODUCTION

Welcome to the user manual for your CyberPower UT850EG-FR Uninterruptible Power Supply (UPS). This document provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your UPS system. Please read this manual thoroughly before operating the unit to ensure proper use and to maximize its lifespan.

2. IMPORTANT SAFETY INSTRUCTIONS

Please adhere to these safety guidelines to prevent injury and damage to the UPS or connected equipment.

- This UPS is designed for indoor use only. Avoid installation in direct sunlight, near heat-emitting appliances, or in environments with excessive moisture or dust.
- Connect the UPS to a grounded AC power outlet only. Do not remove the grounding prong.
- Do not open the UPS casing. There are no user-serviceable parts inside. High voltage is present, even when the unit is unplugged. Refer all servicing to qualified service personnel.
- Do not dispose of batteries in a fire, as they may explode.
- A battery can present a risk of electrical shock and high short-circuit current. The following precautions should be observed when working on batteries: a) Remove watches, rings, or other metal objects. b) Use tools with insulated handles.
- Do not connect non-computer-related items such as medical equipment, life support equipment, microwave ovens, or vacuum cleaners to the UPS.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- CyberPower UT850EG-FR UPS Unit
- Power Cord
- USB Communication Cable
- User Manual (this document)

4. PRODUCT OVERVIEW

Familiarize yourself with the key components and features of your CyberPower UT850EG-FR UPS.



Figure 4.1: Front View of CyberPower UT850EG-FR UPS

This image displays the front panel of the UPS, featuring the power button at the top, followed by a series of LED indicator lights for 'Charging', 'Eco Mode', 'Low Battery', and 'Overload'. The CyberPower logo is prominently displayed below the indicators, and a USB communication port is visible at the bottom.

Front Panel Indicators:

- **Power Button:** Used to turn the UPS on or off.
- **Charging LED:** Solid green when the battery is charging. Off when fully charged or not charging.
- **Eco Mode LED:** Solid green when the UPS is operating in Eco Mode, optimizing energy efficiency.
- **Low Battery LED:** Flashing yellow when the battery is low and the UPS is on battery power. Solid yellow when the battery is critically low.
- **Overload LED:** Solid red when the connected load exceeds the UPS's capacity. Disconnect non-essential equipment immediately.

Rear Panel (Not Pictured):

The rear panel of the UT850EG-FR typically includes the AC input power cord, several battery backup and surge-protected outlets (French type, as indicated by 'FR' in the model name), and a USB communication port for connecting to a computer

for power management software.

5. SETUP AND INSTALLATION

5.1 Placement

Place the UPS in a protected area that is free of excessive dust, moisture, and extreme temperatures. Ensure adequate airflow around the unit. The UPS is designed for vertical (tower) orientation.

5.2 Connecting to Power

1. Ensure the UPS is turned off.
2. Plug the UPS power cord directly into a properly grounded wall outlet. Do not use extension cords or surge protectors.
3. Allow the UPS to charge for at least 8 hours before connecting any equipment to ensure maximum battery runtime.

5.3 Connecting Equipment

1. Connect your computer, monitor, and other critical devices requiring battery backup to the 'Battery Backup & Surge Protected' outlets on the rear of the UPS.
2. Connect non-critical devices (e.g., printer, scanner) that only require surge protection to the 'Surge Only' outlets.
3. Ensure the total load of connected equipment does not exceed the UPS's capacity (850VA / 425W).
4. For advanced power management and automatic shutdown features, connect the USB communication cable from the UPS to your computer.

6. OPERATION

6.1 Powering On/Off

- **To Turn On:** Press and hold the power button for approximately 2 seconds until you hear a beep. The UPS will perform a self-test.
- **To Turn Off:** Press and hold the power button for approximately 2 seconds until you hear a beep. The UPS will shut down.

6.2 Indicator Lights

The front panel LEDs provide status information:

- **Charging:** Solid green when the battery is charging. Off when fully charged or not charging.
- **Eco Mode:** Solid green when the UPS is operating in Eco Mode, optimizing energy efficiency.
- **Low Battery:** Flashing yellow when the battery is low and the UPS is on battery power. Solid yellow when the battery is critically low.
- **Overload:** Solid red when the connected load exceeds the UPS's capacity. Disconnect non-essential equipment immediately.

6.3 Power Management Software

For optimal performance and advanced features, install CyberPower's PowerPanel Personal software. This software allows you to:

- Monitor UPS status and power conditions.
- Configure automatic shutdown of your computer during extended power outages.
- Schedule UPS self-tests.

- View power event logs.

The software can typically be downloaded from the official CyberPower website. Refer to the software's documentation for installation and usage instructions.

7. MAINTENANCE

7.1 Battery Care and Replacement

The UPS contains a sealed, maintenance-free lead-acid battery. The battery is designed to last approximately 3-5 years under normal operating conditions. Battery replacement should only be performed by qualified service personnel. Contact CyberPower support for battery replacement services.

7.2 Cleaning

To clean the exterior of the UPS, use a soft, dry cloth. Do not use liquid or aerosol cleaners. Ensure the unit is unplugged from the wall outlet before cleaning.

7.3 Storage

If the UPS is to be stored for an extended period, store it with the battery fully charged. Recharge the battery every three months to prevent battery degradation. Store in a cool, dry place.

8. TROUBLESHOOTING

Use the following table to solve minor problems. If a problem persists, please contact customer support.

Problem	Possible Cause	Solution
UPS will not turn on.	Battery is low or discharged. UPS is not connected to AC power.	Connect the UPS to an AC outlet and allow it to charge for at least 8 hours. Ensure the power button is pressed correctly.
UPS is on battery power frequently.	Frequent power fluctuations or outages. UPS sensitivity setting is too high.	Check the incoming AC power. If using PowerPanel software, adjust the UPS sensitivity setting.
Overload LED is illuminated.	Too much equipment connected to the UPS.	Disconnect non-essential equipment from the battery backup outlets until the LED turns off.
UPS beeps continuously.	Low battery or overload condition.	Check the Low Battery and Overload LEDs. Address the underlying issue (charge battery, reduce load).
UPS does not provide expected runtime.	Battery is old or not fully charged. Overload condition.	Ensure battery is fully charged. Reduce connected load. Consider battery replacement if the battery is old.

9. TECHNICAL SPECIFICATIONS

Feature	Specification
Model	UT850EG-FR

Feature	Specification
Capacity (VA/Watts)	850VA / 425W
Input Voltage	290 Volt (Max)
Dimensions (L x W x H)	2.79 x 24.64 x 16.51 cm
Weight	4.2 Kilograms
Form Factor	Tower
Battery Type	Sealed Lead-Acid
Typical Recharge Time	8 hours to 90% capacity

10. WARRANTY INFORMATION

CyberPower provides a limited warranty for this product. The specific terms and duration of the warranty may vary by region. Please refer to the warranty card included with your product or visit the official CyberPower website for detailed warranty information and registration.

11. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or need to report a problem with your CyberPower UT850EG-FR UPS, please contact CyberPower customer support. Support contact information can typically be found on the official CyberPower website or on the product packaging.

For the most up-to-date support resources, including FAQs, drivers, and software downloads, please visit the official CyberPower website: www.cyberpower.com