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Eaton 5SC1500

Eaton 5SC1500 Pure Sinewave UPS Battery Backup Instruction Manual

Model: 5SC1500 | Brand: Eaton

1. SETUP

Before initial use, ensure all internal batteries are properly connected. The UPS is shipped with batteries disconnected for safety. Connect the internal batteries prior to startup for normal operation.

Plug the UPS unit into a standard American wall outlet. Allow the internal batteries to charge for at least 8 hours before connecting any equipment to the UPS outlets.

Connect your critical equipment to the 8 battery-protected outlets (5-15R outlets) located on the rear panel of the UPS.



Image: Rear panel of the Eaton 5SC1500 UPS, illustrating the layout of the 8 battery-protected outlets, communication ports (USB, serial), and the expansion slot.

The rear panel also features communication ports (USB and serial) and an expansion port for optional network cards, allowing remote control and access to the UPS unit from a network.



Image: Internal view of the Eaton 5SC1500 UPS with the battery compartment open, showing the battery pack and its connections for proper installation.

Official Product Video: Eaton 5SC Pure Sinewave UPS Battery Backup

Video: An official product video from Eaton providing an overview of the 5SC Pure Sinewave UPS Battery Backup, highlighting its features and benefits.

2. OPERATING

The Eaton 5SC1500 UPS provides pure sinewave output on battery, ensuring compatibility with high-end workstations and sensitive IT equipment that utilize active Power Factor Corrected (PFC) power supplies.

The Automatic Voltage Regulation (AVR) feature corrects a wide range of input voltage variations without engaging the batteries, preserving battery life.

The LCD interface on the front panel provides clear status of key parameters. Use the navigation buttons to configure output voltage, audible alarm settings, and power input sensitivity.



Image: A close-up of the Eaton 5SC1500 UPS LCD display, showing real-time power usage (725W) and battery charge level indicators.

For advanced power management, the UPS supports plug-and-play integration with Windows, Mac, and Linux operating systems via its USB port. Eaton's Intelligent Power Protector software can be used to gracefully shut down connected computers during extended power outages, preventing data loss.

3. MAINTENANCE

The Eaton 5SC1500 UPS features user-replaceable internal batteries. The patented Advanced Battery Management (ABM) technology helps increase battery service life by up to 50%.



Image: Internal view of the Eaton 5SC1500 UPS with the battery compartment open, showing the battery pack and its connections for replacement.

The UPS is equipped with a variable-speed fan that operates continuously during normal use. Fan speed remains low (and quiet) most of the time but may increase under high loads, during battery charging, or when operating in battery mode.

Battery Replacement (General UPS)

Video: This video demonstrates the process of replacing batteries in a CyberPower UPS. While the brand differs, the general steps for battery replacement in a similar tower-style UPS may be applicable.

Video: This video shows how to replace Mighty Max batteries in a Tripp Lite UPS. Although the brands are different, the general procedure for replacing batteries in a UPS can be similar.

Video: This video discusses changing batteries in a UPS. While the specific UPS model may vary, the principles of battery replacement and considerations for UPS longevity are generally applicable.

4. TROUBLESHOOTING

If you experience issues with your Eaton 5SC1500 UPS, consider the following:

- **Fan Noise:** The variable-speed fan will operate continuously. Increased fan speed is normal under high loads, during charging, or in battery mode.
- **Electrical Buzz:** A low-frequency electrical buzz from the front panel is considered normal operation for this unit.
- **Battery Disconnected:** Ensure internal batteries are properly connected as they are shipped disconnected for safety.

For further troubleshooting, technical support, or warranty issues, please contact Eaton service directly at 1-(800)-356-5737, or request support online at eaton.com/us/en-us/support/backup-power-ups-surge-it-power-distribution/post

5. SPECIFICATIONS

- **Model:** 5SC1500
- **Capacity:** 1440VA / 1080W
- **Output Type:** Pure Sinewave
- **Voltage:** 120 Volts
- **Outlets:** 8 battery-protected outlets (5-15R)
- **Battery Type:** Lead-Acid, AGM (user-replaceable)
- **Product Dimensions:** 16.1 x 5.9 x 8.2 inches (5.9"D x 19.9"W x 8.2"H)
- **Item Weight:** 34 pounds
- **Color:** Black

6. WARRANTY AND SUPPORT

The Eaton 5SC1500 UPS comes with a standard three-year warranty covering both the UPS system and its internal batteries. The batteries are user-replaceable.

Additionally, Eaton provides a \$150,000 load protection guarantee for all connected equipment, ensuring peace of mind for your valuable IT assets.

For any inquiries, technical assistance, or to claim warranty, please contact Eaton service directly at 1-(800)-356-5737, or visit their support page at [eaton.com/us/en-us/support/backup-power-UPS-surge-IT-power-distribution/post-sale-customer-support/post-sale-product-support.html](https://www.eaton.com/us/en-us/support/backup-power-UPS-surge-IT-power-distribution/post-sale-customer-support/post-sale-product-support.html).