Minuteman EN550

Minuteman EN550 Uninterrupted Power Supply User Manual

1. INTRODUCTION

The Minuteman EN550 is a Standby Uninterrupted Power Supply (UPS) designed to provide reliable power protection for your electronic devices. It features a 550VA/300W capacity, 120Vac input and output, and a voltage range of 95-140Vac. This UPS includes four battery-backed receptacles and four surge-only receptacles, offering comprehensive protection against power outages and surges. Key features include phone/fax/modem line protection, independent battery bypass, and hot-swappable, tool-less battery replacement.

Package Contents

- Minuteman EN550 UPS Unit
- User Manual
- Quick Install Guide
- Warranty Card
- Platinum Protection Card
- Sales Brochure
- USB Cable

Image showing the Minuteman EN550 UPS unit with its front and side panels visible, highlighting the power outlets and status indicators.

2. SAFETY INFORMATION

Please read and follow all instructions carefully before installing or operating the Minuteman EN550 UPS. Retain this manual for future reference.

- Do not open the UPS casing. There are no user-serviceable parts inside, except for the battery. Refer battery replacement to qualified service personnel.
- Do not block ventilation openings. Ensure adequate airflow around the unit.
- Do not expose the UPS to rain, moisture, or excessive humidity.
- Connect the UPS to a properly grounded AC power outlet only.
- Avoid placing the UPS in direct sunlight or near heat sources.
- Disconnect the UPS from the AC power outlet before cleaning. Use a dry cloth for cleaning.
- The battery contains hazardous materials. Dispose of batteries properly according to local regulations.

3. SETUP AND INSTALLATION

Placement

Place the Minuteman EN550 UPS in a cool, dry, and well-ventilated indoor area. Ensure it is away from direct sunlight, heat sources, and excessive dust. The unit is wall-mountable for flexible placement options.

Initial Connection

1. **Connect the Battery:** The UPS battery may be disconnected for shipping. Refer to the Quick Install Guide for instructions on connecting the internal battery.

2. **Connect to AC Power:** Plug the UPS power cord into a standard 120Vac grounded wall outlet.
3. **Initial Charge:** Allow the UPS to charge for at least 8 hours before connecting any devices to ensure optimal battery runtime. The unit will charge whether it is turned on or off.
4. **Connect Devices:** Plug your critical electronic devices (computer, monitor, modem, etc.) into the four battery-backed receptacles. Plug non-critical devices (printer, scanner) into the four surge-only receptacles.
5. **USB Communication:** Connect the provided USB cable from the UPS to your computer to enable communication and use the Sentried software (available via free download) for advanced monitoring and control.
6. **Phone/Fax/Modem Protection:** Connect your phone, fax, or modem line through the RJ11/45 ports on the UPS to protect against surges on the data line.

4. OPERATION

Turning On/Off

- **To Turn On:** Press and hold the power button for approximately 2 seconds until you hear a beep.
- **To Turn Off:** Press and hold the power button for approximately 2 seconds until you hear a beep and the unit powers down.

Receptacle Types

- **Battery Backup & Surge Protection Outlets (4):** These outlets provide power from the UPS battery during an outage and protect against surges. Connect your most critical equipment here.
- **Surge-Only Protection Outlets (4):** These outlets provide surge protection but do not offer battery backup. Connect less critical equipment that still requires surge protection.

Power Outage Operation

During a power outage, the UPS will automatically switch to battery power. The unit will emit an audible alarm to indicate it is operating on battery. The EN550 provides approximately 3 minutes of runtime at full load (300W) and 11 minutes at half load (150W). It is recommended to save your work and shut down your computer gracefully during an extended outage.

Sentried Software

The Sentried software, available for free download, allows you to monitor the UPS status, configure settings, and perform automatic shutdowns of your computer during prolonged power events. Connect the UPS to your computer via the USB port to utilize this feature.

5. MAINTENANCE

Battery Replacement

The Minuteman EN550 features a hot-swappable battery design, allowing for tool-less battery replacement without powering down connected equipment. Batteries typically last 2-3 years under normal operating conditions. Refer to the Quick Install Guide or Minuteman's website for detailed battery replacement instructions.

- Always use genuine Minuteman replacement batteries to ensure compatibility and optimal performance.
- Dispose of old batteries responsibly according to local regulations.

Cleaning

Ensure the UPS is turned off and disconnected from the AC power outlet before cleaning. Use a soft, dry cloth

to wipe the exterior of the unit. Do not use liquid or aerosol cleaners.

6. TROUBLESHOOTING

If you experience issues with your Minuteman EN550 UPS, consult the following table for common problems and solutions.

Problem	Possible Cause	Solution
UPS does not turn on.	Battery not connected or discharged.	Ensure battery is properly connected. Plug UPS into AC outlet and allow to charge for 8 hours.
Short battery runtime.	Overload, battery not fully charged, or battery end-of-life.	Reduce connected load. Allow UPS to charge for 8 hours. Replace battery if it is old.
UPS constantly beeps.	Operating on battery power during an outage or low battery.	Check AC power. If power is restored, UPS will return to normal. If low battery, allow to charge.
No power to connected devices.	UPS is off, circuit breaker tripped, or outlets are surge-only.	Turn on UPS. Check and reset UPS circuit breaker. Ensure devices are plugged into battery-backed outlets.

If the problem persists after attempting these solutions, please contact Minuteman technical support.

7. SPECIFICATIONS

Feature	Specification
Model	EN550
Capacity (VA/Watts)	550VA / 300W
Input Voltage	120 Volts AC
Voltage Range	95-140Vac
Output Voltage	120 Volts AC
Outlets	4 Battery Backup & Surge, 4 Surge-Only
Battery Type	Sealed Lead Acid (1 included)
Typical Runtime (Full Load)	3 minutes
Typical Runtime (Half Load)	11 minutes
Product Dimensions (L x W x H)	12.4 x 5.1 x 3.7 inches
Item Weight	6.4 pounds
Color	Black
Manufacturer	Office Depot, Inc.
First Available Date	September 15, 2016

Feature	Specification

8. Warranty and Support

Product Warranty

The Minuteman EN550 Uninterrupted Power Supply comes with a 3-year warranty on the unit and a 2-year warranty on the battery. Please refer to the included Warranty Card and Platinum Protection Card for full terms and conditions.

Technical Support

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact Minuteman customer support. Contact information can typically be found on the Minuteman website or on the included documentation.