

Eaton 5E650IUSB

Eaton 5E650iUSB Line Interactive UPS User Manual

Model: 5E650IUSB

INTRODUCTION

The Eaton 5E Series Uninterruptible Power Supply (UPS) is designed to provide reliable power protection for your electronic equipment against power outages, surges, and sags. This line-interactive UPS ensures continuous operation and safeguards your devices from potential damage due to unstable power quality. Its compact design makes it suitable for both home and small office environments.

SAFETY INFORMATION

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

- This UPS contains hazardous voltages. Do not attempt to disassemble the unit.
- Do not connect non-computer related items like medical equipment, life support systems, or household appliances to the UPS.
- Ensure the UPS is connected to a grounded AC power outlet.
- Do not block ventilation openings. Maintain adequate airflow around the unit.
- Avoid installing the UPS in areas with excessive dust, humidity, or extreme temperatures.
- In case of emergency, immediately press the power button to turn off the UPS and disconnect it from the AC power source.

PRODUCT OVERVIEW

The Eaton 5E650iUSB UPS provides reliable power protection with a compact design. Below is an image illustrating the unit's appearance.



Figure 1: Front view of the Eaton 5E650iUSB UPS. This image shows the compact, black rectangular casing with ventilation grilles on the top, sides, and front. The power button with its distinctive green LED ring is located on the top right of the front panel. The Eaton logo and "5E" model designation are prominently displayed on the lower part of the front grille.

Key Features:

- Line-interactive technology for voltage regulation.
- Automatic Voltage Regulation (AVR) corrects sags and surges without using battery power.
- Compact design for easy integration into various environments.
- USB port for communication with a computer for automatic shutdown.
- Multiple AC outlets for connecting protected devices.

SETUP

1. Unpacking and Inspection:

1. Carefully remove the UPS from its packaging.
2. Inspect the unit for any shipping damage. If damage is found, do not install and contact your dealer.
3. Retain the packaging for future transport or storage.

2. Placement:

1. Place the UPS in a clean, dry, and well-ventilated area.
2. Ensure the ambient temperature is within 0°C to 40°C (32°F to 104°F).
3. Avoid direct sunlight, heat sources, and excessive humidity.
4. Allow at least 10 cm (4 inches) of clearance around the ventilation openings.

3. Connecting to AC Power:

1. Plug the UPS power cord into a grounded wall outlet.
2. For optimal battery performance, charge the UPS for at least 8 hours before initial use.

4. Connecting Equipment:

1. Connect your computer, monitor, and other critical devices to the UPS outlets.
2. Do not overload the UPS. Refer to the specifications for maximum load capacity.
3. For automatic shutdown capabilities, connect the supplied USB cable from the UPS to your computer's USB port.

OPERATING INSTRUCTIONS

Turning the UPS On/Off:

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

LED Indicators:

- **Solid Green:** UPS is on and operating normally on utility power.
- **Flashing Green:** UPS is operating on battery power.
- **Flashing Red/Orange:** Indicates a fault or battery issue. Refer to the Troubleshooting section.

Battery Backup Operation:

During a power outage or significant voltage fluctuation, the UPS will automatically switch to battery power. The unit will emit an audible alarm (beeping) to indicate it is running on battery. The duration of battery backup depends on the load connected.

Software Installation (Optional):

For advanced monitoring and automatic shutdown features, install the Eaton UPS Companion software (or equivalent) on your computer. This software allows you to:

- Monitor UPS status and battery charge level.
- Configure automatic shutdown of your computer during extended power outages.
- View power event logs.

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

MAINTENANCE

Battery Care:

- The UPS contains an internal, non-user-replaceable battery.
- To maximize battery life, keep the UPS connected to AC power at all times.
- Avoid frequent deep discharges.
- Store the UPS with a fully charged battery if it will not be used for an extended period. Recharge every 3-6 months.

Cleaning:

- Disconnect the UPS from AC power and all connected devices before cleaning.
- Use a soft, dry cloth to wipe the exterior. Do not use liquid or aerosol cleaners.
- Keep ventilation openings clear of dust and debris.

TROUBLESHOOTING

If the UPS is not operating correctly, refer to the following table for common issues and solutions. If the problem persists, contact Eaton support.

Problem	Possible Cause	Solution
UPS does not turn on.	No AC input power. Battery deeply discharged.	Check AC power connection. Ensure wall outlet is functional. Allow UPS to charge for 8 hours.
UPS beeps continuously.	Overload condition. Battery low/faulty.	Reduce connected load. Allow battery to charge. If problem persists, contact support.
UPS runs on battery frequently.	Unstable utility power (sags/surges).	This is normal operation. The UPS is protecting your equipment. If excessive, consult an electrician.
Connected devices lose power during outage.	UPS battery discharged or faulty. UPS overloaded.	Ensure UPS was fully charged. Reduce load. Battery may need replacement (contact support).

SPECIFICATIONS

Feature	Detail
Brand	Eaton
Model Number	5E650IUSB
Capacity (VA/W)	650 VA / 360 W
Input Voltage	280 Volts (Nominal)
Outlets	4 AC Outlet(s)
Dimensions (L x W x H)	22 x 8 x 3 cm
Weight	300 g
Color	Black
Material	Metal
Amperage	4 A
First Available Date	5 January 2015

WARRANTY AND SUPPORT

Eaton provides a standard warranty for this product. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official Eaton website. For technical support, service, or to inquire about replacement parts, please contact Eaton customer service through their official channels. Ensure you have your product model number (5E650IUSB) and serial number ready when contacting support.

Online Resources: For the latest documentation, software downloads, and FAQs, please visit the official Eaton support website.

