**Ablerex AB-ES1200**

# Ablerex AB-ES1200 Interactive UPS User Manual

Model: AB-ES1200

## 1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation of your Ablerex AB-ES1200 Interactive Uninterruptible Power Supply (UPS). The UPS is designed to protect your electronic equipment from power outages, sags, surges, and other power disturbances by providing battery backup power and automatic voltage regulation (AVR). Please read this manual thoroughly before installation and use to ensure proper functionality and to prevent damage to the unit or connected equipment.

## 2. IMPORTANT SAFETY INSTRUCTIONS

Please adhere to these safety guidelines to prevent electric shock, fire, or injury.

- Read all instructions carefully before operating the UPS.

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.

- Do not expose the UPS to rain, moisture, or excessive humidity.

- Ensure the UPS is placed in a well-ventilated area, away from direct sunlight, heat sources, and flammable materials.

- Connect the UPS to a grounded AC power outlet only.

- Do not connect non-computer related items such as hair dryers, vacuum cleaners, or medical equipment to the UPS output receptacles.

- Battery replacement should only be performed by qualified service personnel using the correct battery type.

- In case of fire, use a dry chemical extinguisher. Water can cause electrical shock.

## 3. PACKAGE CONTENTS

Verify that all items are present in the package:

- Ablerex AB-ES1200 UPS Unit

- User Manual (this document)
- AC Power Cord

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# 4. PRODUCT OVERVIEW

## 4.1 Front Panel



The image above displays the front panel of the Ablerex AB-ES1200 UPS. It features a power button and three LED indicator lights (red, yellow, green) that provide status information about the unit's operation.

- **Power Button:** Used to turn the UPS on or off.
- **LED Indicators:** Provide visual status of the UPS.
  - **Green LED:** Indicates the UPS is on and operating in Line Mode (receiving utility power).
  - **Yellow LED:** Indicates the UPS is operating in Battery Mode (during a power outage) or a fault condition.
  - **Red LED:** Indicates a low battery condition or a battery that needs replacement.

## 4.2 Rear Panel

The rear panel of the UPS contains the input power connection and output receptacles.

- **AC Input:** Connects the UPS to the utility power outlet.
- **Output Receptacles (6 Tomas):** Provide battery-backed and surge-protected power to connected equipment.

- **Circuit Breaker:** Provides overload protection for the UPS.

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## 5. SETUP

### 5.1 Placement

- Place the UPS on a flat, stable surface.
- Ensure adequate airflow around the unit. Do not block ventilation openings.
- Avoid placing the UPS near water, excessive heat, or direct sunlight.

### 5.2 Connecting to Power

1. Connect the supplied AC power cord to the UPS AC input port.
2. Plug the other end of the AC power cord into a grounded wall outlet.
3. Allow the UPS to charge for at least 8 hours before initial use to ensure optimal battery runtime.

### 5.3 Connecting Equipment

1. Plug your computer, monitor, and other critical electronic devices into the 6 output receptacles on the rear panel of the UPS.
2. Ensure that the total power consumption of all connected devices does not exceed the UPS's capacity (1200VA / 660W).

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## 6. OPERATION

### 6.1 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 green LED illuminates.
- **To Turn Off:** Press and hold the power button for approximately 2 seconds until you hear a beep and all LEDs turn off.

### 6.2 Indicator Lights and Audible Alarms

The LED indicators and audible alarms provide real-time status of the UPS:

- **Green LED On:** UPS is on and providing utility power (Line Mode).
- **Yellow LED On & Beeping (every 10 seconds):** UPS is operating on battery power (Battery Mode) due to a power outage or severe voltage fluctuation.
- **Red LED On & Beeping (every 1 second):** Battery is low. Save your work and shut down connected equipment immediately.
- **Red LED Flashing & Continuous Beep:** UPS fault or battery needs replacement. Contact support.

### 6.3 Automatic Voltage Regulation (AVR)

The Ablerex AB-ES1200 features AVR technology, which automatically corrects minor voltage fluctuations (sags and surges) without switching to battery power. This extends battery life and ensures a stable power supply to your devices.

### 6.4 Battery Backup Function

During a power outage, the UPS will automatically switch to battery power, providing a temporary power supply to your connected devices. This allows you sufficient time to save your work and safely shut down your equipment.

## 7. MAINTENANCE

### 7.1 Battery Care

- To maintain optimal battery life, ensure the UPS is connected to AC power at all times, allowing the battery to remain charged.
- If the UPS is stored for an extended period, recharge the battery every three months for at least 8 hours.
- Replace the battery when the red LED indicates a fault or low battery condition persists after recharging. Battery replacement should be done by qualified personnel.

### 7.2 Cleaning

- Always turn off the UPS and disconnect it from the AC power outlet before cleaning.
- Use a dry, soft cloth to clean the exterior of the UPS.
- Do not use liquid or aerosol cleaners, as they may contain flammable substances or cause electrical shock.

## 8. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

| Problem | Possible Cause | Solution |
|---|---|---|
| UPS does not turn on. | No AC input power; Battery not connected or discharged. | Check AC power cord connection; Ensure battery is connected; Charge UPS for 8 hours. |
| UPS beeps continuously. | Battery low; Overload; UPS fault. | Save work and shut down equipment; Reduce load; Contact service if fault persists. |
| No power to connected equipment. | UPS is off; Circuit breaker tripped; Overload. | Turn on UPS; Reset circuit breaker; Reduce load. |
| Red LED is on. | Battery low or needs replacement. | Allow UPS to charge; If issue persists, battery may need replacement by qualified personnel. |

## 9. TECHNICAL SPECIFICATIONS

- **Model:** AB-ES1200
- **Capacity:** 1200VA / 660W
- **Input Voltage:** 120V AC (Wide Voltage Window)
- **Output Voltage:** 120V AC
- **Output Receptacles:** 6 (Battery Backup & Surge Protected)

- **Battery Type:** Sealed Lead-Acid, Maintenance-Free

- **Typical Recharge Time:** 6-8 hours to 90% capacity

- **Dimensions (L x W x H):** 34 x 21.6 x 17 cm (13.4 x 8.5 x 6.7 inches)

- **Weight:** 5.24 kg (11.55 lbs)

- **Features:** Automatic Voltage Regulation (AVR), Compact Design, Compatible with Inverters and Generators

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## 10. WARRANTY AND SUPPORT

For detailed warranty information, terms, and conditions, please refer to the official Ablerex website or the warranty card included with your product. For technical support, service, or inquiries regarding your Ablerex AB-ES1200 UPS, please contact Ablerex customer service through their official channels.