

AITEK ANB-3312

AITEK ANB-3312 1200VA Bivolt Simulated Sine Wave UPS User Manual

Model: ANB-3312 | Brand: AITEK

1. PRODUCT OVERVIEW

The AITEK ANB-3312 1200VA Uninterruptible Power Supply (UPS) provides essential and robust protection for your electronic equipment against power fluctuations and outages. With a capacity of 1200VA, it features two 12V/7AH batteries for extended autonomy, ensuring your devices remain powered. This compact and efficient UPS offers a fast transfer time of 4-6ms, guaranteeing continuous operation with total security.

Key Features:

- 1200VA capacity with two 12V/7AH batteries for enhanced autonomy and protection of sensitive equipment.
- Fast transfer time (4-6ms), ensuring immediate continuity during power outages.
- Simulated sine wave output, suitable for computers, servers, and security systems.
- Compact and quiet design (less than 40dB), ideal for residential or corporate use.
- Bivolt input and output, with automatic voltage regulation and charge recovery within 8 hours.



Image 1.1: Front view of the AITEK ANB-3312 UPS, displaying its digital screen with input/output voltage and battery charge level.



Image 1.2: Angled view of the AITEK ANB-3312 UPS, highlighting its compact design and side ventilation for heat dissipation.

2. SAFETY INFORMATION

Please read this manual carefully before installation and operation. Keep it for future reference. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Do not open the UPS casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.
- Do not expose the UPS to rain, water, or excessive humidity.
- Ensure the installation environment is well-ventilated and free from excessive dust.
- Do not block ventilation openings.
- Connect the UPS to a grounded power outlet.
- Do not connect non-computer related equipment (e.g., hair dryers, vacuum cleaners) to the UPS outlets, as this may overload the unit.
- In case of emergency, press the power button to turn off the UPS and disconnect it from the main power supply.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon opening the package:

- 1x AITEK ANB-3312 No-Break (UPS)
- 1x User Manual

- 1x Power Cable



Image 3.1: The included power cable for connecting the UPS to the main power supply.

4. SETUP

Follow these steps to set up your AITEK ANB-3312 UPS:

1. **Placement:** Place the UPS on a flat, stable surface in a well-ventilated area, away from direct sunlight, heat sources, and moisture. Ensure there is adequate space around the unit for airflow.
2. **Voltage Selection:** The AITEK ANB-3312 features Bivolt input and output. On the rear panel, locate the voltage selection switch. **Ensure the switch is set to the correct voltage (110V or 220V) corresponding to your local power supply BEFORE connecting the UPS to the wall outlet.**

3. **Connect to Wall Outlet:** Plug the UPS power cable into a grounded wall outlet. The UPS will begin charging its internal batteries. Allow at least 8 hours for the batteries to fully charge before initial use to ensure maximum runtime.
4. **Connect Devices:** Plug your electronic devices (computer, monitor, router, etc.) into the output sockets on the rear of the UPS. Do not overload the UPS beyond its 1200VA capacity.
5. **Power On:** Press the power button on the front panel of the UPS to turn it on. The display will illuminate, showing input/output voltage and battery status.

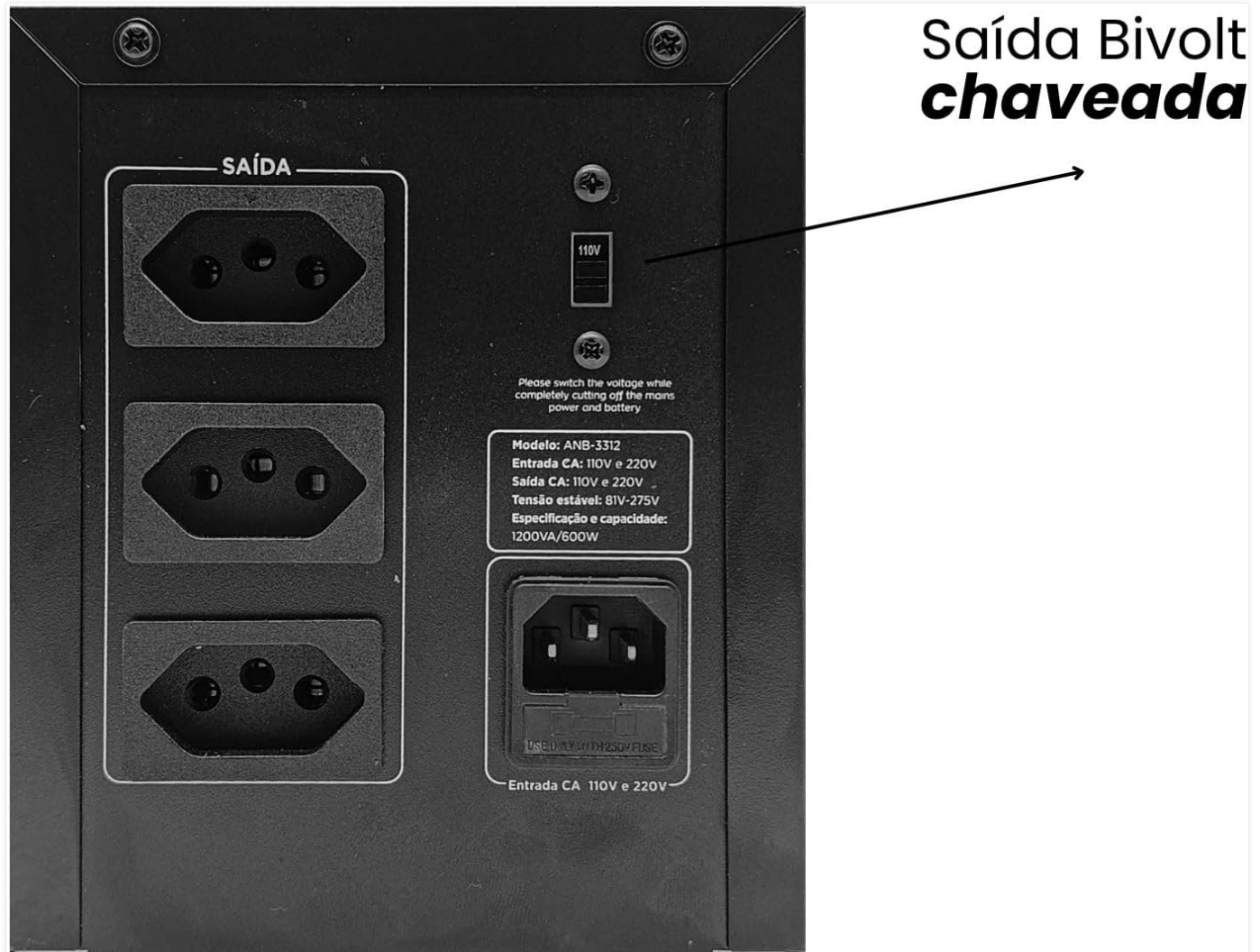


Image 4.1: Rear panel of the UPS, illustrating the output sockets and the crucial voltage selection switch. Ensure this switch is correctly set before connecting to power.

5. OPERATION

The AITEK ANB-3312 UPS is designed for simple operation.

- **Power On/Off:** Press the power button on the front panel to turn the UPS on or off.
- **Display Indicators:** The front display shows real-time information including input voltage, output voltage, and battery charge level.
- **Battery Mode:** In the event of a power outage, the UPS will automatically switch to battery mode, providing power to connected devices. An audible alarm may sound to indicate battery operation.
- **Low Battery Warning:** When the battery charge is low, the UPS will emit a distinct alarm, indicating that connected devices should be safely shut down.
- **Overload Protection:** If the connected load exceeds the UPS's capacity, an overload alarm will sound, and the

UPS may shut down to prevent damage. Disconnect non-essential devices and restart the UPS.

6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your UPS.

- **Battery Charging:** Keep the UPS connected to a power outlet to ensure the batteries remain fully charged. This is crucial for battery health and readiness.
- **Battery Replacement:** The internal batteries are not user-replaceable. If battery performance degrades significantly, contact qualified service personnel.
- **Cleaning:** Use a dry, soft cloth to clean the exterior of the UPS. Do not use liquid or aerosol cleaners. Ensure ventilation openings are free from dust and debris.
- **Storage:** If storing the UPS for an extended period, ensure it is fully charged, then disconnect it from the power outlet. Recharge the UPS every three months to prevent battery discharge.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
UPS does not turn on.	No power from wall outlet; low battery; power button not pressed correctly.	Check wall outlet; charge UPS for 8 hours; press power button firmly.
UPS beeps continuously in normal mode.	Overload; internal fault.	Reduce connected load; contact support.
Short battery backup time.	Batteries not fully charged; old batteries.	Ensure UPS is charged for 8 hours; consider battery replacement (contact service).
Connected devices not receiving power.	UPS off; overload; faulty connection.	Turn on UPS; reduce load; check cables.

If the problem persists after attempting these solutions, please contact AITEK customer support.

8. SPECIFICATIONS

Feature	Detail
Capacity	1200VA
Input Voltage	110/120V AC or 220/230/240V AC (Bivolt Automatic)
Output Voltage	110/120V AC or 220/230/240V AC (Switched Bivolt)
Input Voltage Range	81-145 V AC or 145-275 V AC
Input Frequency	60Hz or 50Hz (automatic detection)
Output Voltage Regulation	± 10%
Transfer Time	Typical 4-6 ms

Feature	Detail
Waveform	Simulated Sine Wave
Battery Type & Quantity	2 units of 12V / 7AH
Battery Charge Time	8 hours for 90% capacity recovery
Humidity	0 to 90% RH from 0 to 40°C (non-condensing)
Noise Level	Less than 40dB
Composition	Metal, plastic, and electronic components
Weight	5.7 kg
Dimensions (L x W x H)	33 x 15 x 10 cm

9. WARRANTY AND SUPPORT

The AITEK ANB-3312 UPS comes with a **90-day warranty** against manufacturing defects. For technical support, warranty claims, or service inquiries, please contact your retailer or the official AITEK support channels. Keep your purchase receipt as proof of purchase for warranty validation.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

