Yinleader VTEU-5000VA

Yinleader VTEU-5000VA Step Up & Step Down Voltage Transformer Instruction Manual

Model: VTEU-5000VA

Introduction

This manual provides essential information for the safe and efficient operation of your Yinleader VTEU-5000VA Step Up & Step Down Voltage Transformer. Please read these instructions carefully before use and retain them for future reference.

Important Safety Instructions

- Always ensure the transformer's maximum power capacity is at least 50% higher than the device you intend to power.
- Before connecting any device, verify that the input voltage selector on the transformer matches your local power supply (110V or 220V). Incorrect selection can damage the unit and connected appliances.
- Do not expose the transformer to rain or moisture.
- Do not operate the transformer if it has been damaged in any way.
- Ensure adequate ventilation around the transformer during operation.
- Keep out of reach of children.
- Disconnect from power when not in use.



Image: Critical warning regarding input voltage selection. The image displays a red warning triangle and text advising users to select the correct 110V or 230V input voltage button to prevent fuse burnout. It shows two examples: one for 110V input and one for 230V input, with the corresponding button pressed.

Product Overview

The Yinleader VTEU-5000VA is a versatile step-up and step-down voltage transformer designed for converting electrical voltages between 110V and 220V. It features multiple output sockets for both voltage types and built-in protection mechanisms.



Image: Front view of the Yinleader VTEU-5000VA transformer. Labels point to the 230V output sockets, 110V output sockets, Power LED, and the On/Off switch (Air Circuit Breaker). A note indicates that the transformer can output 110V and 230V simultaneously.



Image: A collage of detailed close-up images of the transformer's features. It shows the Power Switch, Power Lamp (LED), 110V Output sockets, 230V Output sockets, the Portable handle, and the Double Row Cooling vents.

SPECIFICATIONS

Feature	Specification
Power Capacity	5000 VA
Frequency	50 Hz / 60 Hz
Input Voltage	110 V / 230 V (Selectable)
Output Voltage	110 V ±8%, 230 V ±8%
110V Output Sockets	3
220V Output Sockets	3
Start-up Delay	5 seconds
Current Rating	32 A
Insulation Level	≥ 2Ω
Protection Features	Overload, Over-voltage, Over-current, Over-power
Dimensions (L x W x H)	190 x 250 x 160 mm (approx. 16 x 25 x 16 cm)
Weight	Approx. 9.07 kg
Mounting Type	Floor Mount
Certifications	CE



Image: The Yinleader VTEU-5000VA transformer shown with its physical dimensions: 190mm length, 250mm width, and 160mm height.

Setup Instructions

1. **Unpack the Transformer:** Carefully remove the transformer from its packaging. Inspect for any visible damage.
2. **Placement:** Place the transformer on a stable, flat surface in a well-ventilated area. Ensure there is sufficient space around the unit for air circulation.
3. **Select Input Voltage:** Locate the red input voltage selector switch on the rear panel of the transformer. This switch allows you to select between 110V and 230V input. *It is crucial to select the correct voltage that matches your local power supply.* Incorrect selection will cause the fuse to blow or damage the unit.



Image: Multiple views of the transformer, including the rear panel. The rear panel clearly shows the red input voltage selector switch (110V/230V) and the fuse holder. A warning label is visible next to the input, emphasizing correct voltage selection.

4. **Connect to Power:** Plug the transformer's power cord into a wall outlet that provides the selected input voltage.
5. **Power On:** Flip the red ON/OFF switch on the front panel to the "ON" position. The green Power LED should illuminate.

6. **Connect Appliances:** Plug your 110V or 220V appliances into the corresponding output sockets on the front panel. The transformer can provide both 110V and 220V outputs simultaneously.

Operating Instructions

The Yinleader VTEU-5000VA transformer allows you to use electrical appliances designed for different voltage standards.

1. **Voltage Conversion:**
    - If your local power supply is 220V-240V and you need to power a 110V-120V appliance, connect the transformer to the 220V-240V wall outlet (after selecting 230V input) and plug your appliance into the 110V output sockets.
    - If your local power supply is 110V-120V and you need to power a 220V-240V appliance, connect the transformer to the 110V-120V wall outlet (after selecting 110V input) and plug your appliance into the 220V output sockets.
2. **Simultaneous Use:** The transformer is designed to provide both 110V and 220V outputs concurrently, allowing for flexible use with various devices.
3. **Power Capacity:** Always ensure the total power consumption of all connected appliances does not exceed the transformer's rated capacity of 5000VA. For safety and optimal performance, it is recommended to use appliances whose total wattage is at least 50% below the transformer's maximum capacity.



Image: A circular diagram illustrating various household and commercial appliances that can be powered by the Yinleader VTEU-5000VA transformer. Examples include computers, blenders, mixers, irons, hair dryers, induction cookers, rice cookers, drills, and laptops, demonstrating its wide range of applications.



Image: A diagram showing the transformer's function in converting voltages for overseas equipment. It depicts an input of either 220V or 110V, and outputs of both 230V and 110V, indicating how the transformer enables the use of foreign appliances in different countries.

Maintenance

- **Cleaning:** Disconnect the transformer from the power source before cleaning. Use a dry, soft cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Ventilation:** Ensure the ventilation openings are free from dust and obstructions to prevent overheating.
- **Storage:** When not in use for extended periods, store the transformer in a cool, dry place, away from direct sunlight and moisture.
- **Fuse Replacement:** If the transformer stops working, check the fuse located on the rear panel. If the fuse is blown, replace it with a fuse of the same type and rating. Always disconnect the power before replacing the fuse.

Troubleshooting

Problem	Possible Cause	Solution
Transformer does not power on.	◦ Power cord not properly connected. ◦ Wall outlet has no power. ◦ ON/OFF switch is in "OFF" position. ◦ Blown fuse.	◦ Ensure power cord is securely plugged in. ◦ Test the wall outlet with another device. ◦ Flip the ON/OFF switch to "ON". ◦ Check and replace the fuse if necessary (see Maintenance).

No output voltage.	◦ Incorrect input voltage selected. ◦ Overload protection activated. ◦ Blown fuse.	◦ Verify the input voltage selector matches your local supply. ◦ Reduce the load by disconnecting some appliances. The unit may reset after a short period. ◦ Check and replace the fuse if necessary.
Transformer overheats.	◦ Insufficient ventilation. ◦ Overloaded.	◦ Ensure clear space around the unit for airflow. ◦ Reduce the total wattage of connected appliances.
Sparking or unusual noise.	Internal fault or loose connection.	Immediately disconnect from power. Do not attempt to repair. Contact customer support.

Warranty and Support

For warranty information or technical support, please contact Yinleader customer service. Refer to your purchase documentation for specific warranty terms and contact details.

Note: Attempting to open or modify the transformer may void the warranty and poses a safety risk.

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.

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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.

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