

Cantonape VTUS-3000

Cantonape VTUS-3000W Voltage Transformer Converter User Manual

Model: VTUS-3000

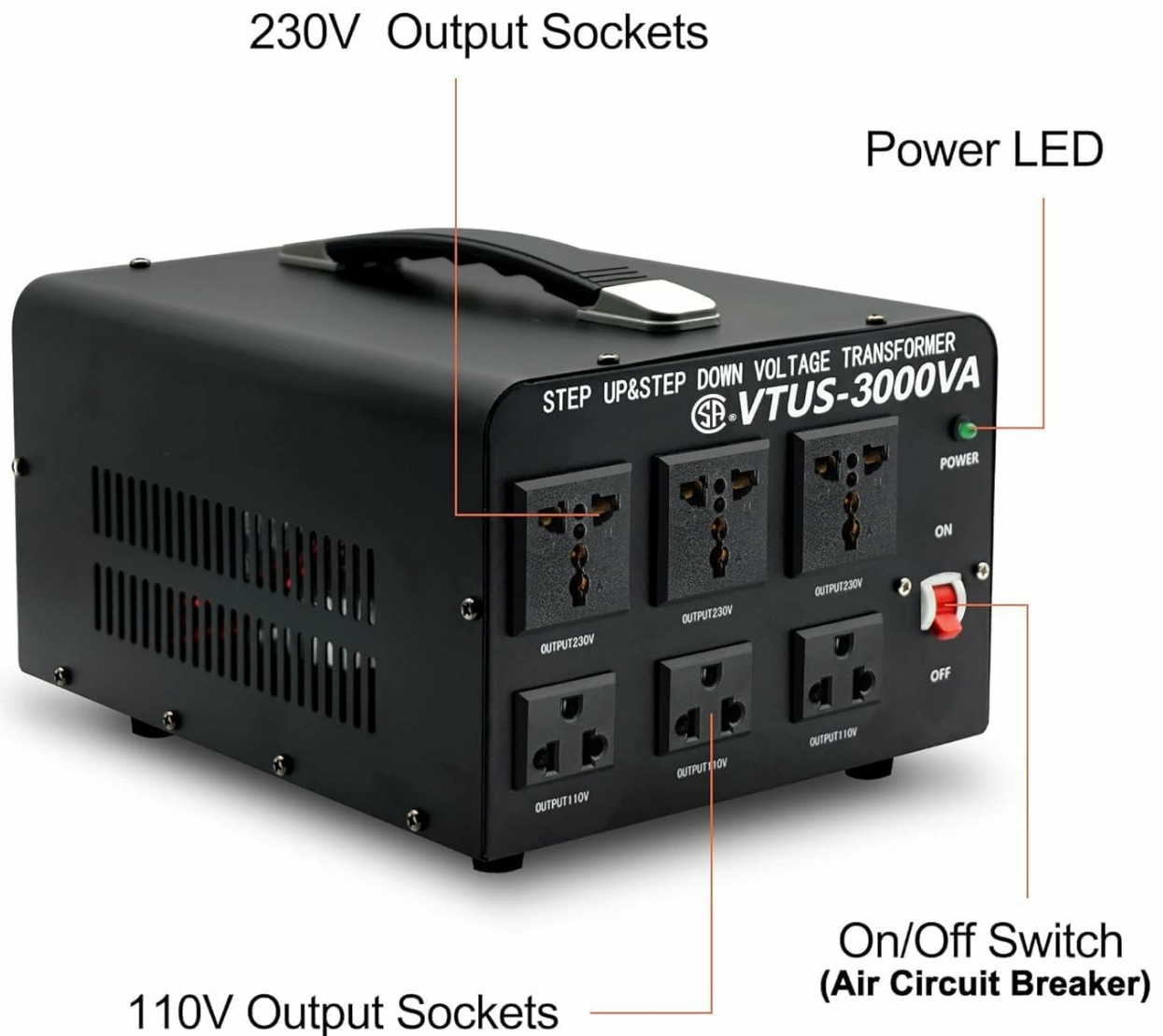
1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using this voltage transformer. Failure to follow these safety guidelines may result in electric shock, fire, or damage to the unit or connected appliances.

- **Appliance Wattage:** For safety and optimal performance, always use a voltage converter/transformer with a maximum wattage rating at least 50% higher than your appliance's rated wattage. For example, if your appliance is 100 watts, use a transformer rated for at least 150 watts. Appliances with motors, heating elements, or compressors (e.g., refrigerators, microwaves, power tools) may require 2-4 times their rated wattage at startup.
- **Correct Voltage Selection:** Before plugging in any appliance or the transformer itself, ensure the input voltage selector switch on the rear of the unit is set to match the local power supply (e.g., 110V for North America, 220V for Europe). Incorrect voltage selection can severely damage the transformer and connected devices.
- **Ventilation:** Ensure the transformer is placed in a well-ventilated area. Do not block the ventilation openings.
- **Indoor Use Only:** This unit is designed for indoor use in dry environments. Do not expose to rain or moisture.
- **Grounding:** Always connect the transformer to a grounded outlet.
- **Overload Protection:** The unit features over-voltage, under-voltage, overload, and over-temperature protection. If the unit shuts off, disconnect all appliances, check for overload, and allow it to cool before restarting.

2. PRODUCT OVERVIEW

The Cantonape VTUS-3000W is a versatile step up/down voltage transformer converter designed to allow electrical appliances from different regions to be used safely. It can convert 110-120 Volts to 220-240 Volts, and 220-240 Volts to 110-120 Volts, with a maximum output power of 3000 Watts.



*This transformer can output 110V and 230V at the same time

Figure 2.1: Front Panel Layout

This image displays the front panel of the Cantonape VTUS-3000W transformer, highlighting the 230V output sockets, 110V output sockets, the Power LED indicator, and the On/Off switch (which also functions as an air circuit breaker).

Key Features:

- 3000 Watts maximum output power.
- Step up voltage from 110-120V to 220-240V.
- Step down voltage from 220-240V to 110-120V.
- Simultaneous 3-mode output: 110-120V USA output sockets and 220-240V universal output sockets.
- 100% loading capacity.
- Metal casing for durability.
- Integrated circuit breakers for full range fuse and over current protection.
- Environmentally friendly core components, odorless and noise-free operation.

3. PACKAGE CONTENTS

Upon opening the package, please verify that all the following items are included:

- Cantonape VTUS-3000W Voltage Transformer Converter
- U.S. Standard Power Cord
- User Manual (this document)

4. SPECIFICATIONS

Specification	Value
Model	VTUS-3000
Output Power	3000 Watts
Input Voltage	AC 110V / 220V
Output Voltage	AC 220V $\pm 8\%$ / 110V $\pm 8\%$
Boot Delay	5 seconds
Current Rating	10A (110V input), 5A (220V input)
Insulation Resistance	$\geq 2\Omega$
Protection Features	Over-voltage, Under-voltage, Overload, Over Temperature delay protection, Lighting protection
Dimensions (L x W x H)	10.04" x 7.5" x 6.3" (255 x 190 x 160 mm)
Weight	13.2 lbs (6 Kg)
Certification	ETL



Figure 4.1: Product Dimensions

This image illustrates the physical dimensions of the Cantonape VTUS-3000W transformer, providing measurements for length, width, and height in both inches and centimeters.

5. SETUP INSTRUCTIONS

Follow these steps to properly set up your Cantonape voltage transformer:

1. **Unpack the Transformer:** Carefully remove the transformer from its packaging and place it on a stable, flat surface in a well-ventilated area.
2. **Verify Appliance Wattage:** Ensure that the total wattage of the appliance(s) you intend to connect does not exceed 50% of the transformer's maximum capacity (3000W). For example, do not connect appliances totaling more than 2000W to this 3000W transformer.
3. **Select Input Voltage:** Locate the input voltage selector switch on the rear panel of the transformer. **Crucially, set this switch to match the local power supply voltage (e.g., 110V for North America, 220V for regions like Europe or Asia).** Incorrect selection will damage the unit.



Figure 5.1: Input Voltage Selector

This image shows the rear panel of the transformer, highlighting the input voltage selector switch. Ensure this switch is set to the correct voltage (110V or 230V) corresponding to your local power supply before connecting the unit to a wall outlet.

4. **Connect Transformer to Power:** Plug the transformer's power cord into a grounded wall outlet that matches the selected input voltage.
5. **Connect Appliances:** With the transformer's power switch in the 'OFF' position, plug your appliance(s) into the appropriate output sockets on the front panel. Use the 110V output sockets for 110-120V appliances and the 230V output sockets for 220-240V appliances.

6. OPERATING INSTRUCTIONS

Once the setup is complete, you can begin using your voltage transformer:

1. **Power On:** Flip the 'ON/OFF' switch on the front panel to the 'ON' position. The Power LED indicator will illuminate, signifying that the transformer is active. There may be a brief 5-second boot delay before output voltage is available.
2. **Voltage Conversion:**

- **Step Up (110-120V to 220-240V):** If your local power is 110-120V (e.g., USA) and you need to power a 220-240V appliance, ensure the rear input switch is set to 110V. Plug your 220-240V appliance into one of the 230V output sockets.
 - **Step Down (220-240V to 110-120V):** If your local power is 220-240V (e.g., Europe) and you need to power a 110-120V appliance, ensure the rear input switch is set to 220V. Plug your 110-120V appliance into one of the 110V output sockets.
3. **Simultaneous Output:** This transformer can provide both 110V and 230V output simultaneously, regardless of the input voltage, as long as the total connected wattage does not exceed the transformer's capacity.
 4. **Power Off:** When finished, turn the 'ON/OFF' switch to the 'OFF' position and unplug the transformer from the wall outlet.

TO CONVERT 110 VOLTS TO 220 VOLTS:



1. Make sure the appliance to be plugged in uses fewer watts than the transformer's rating.



2. Please select the correct input voltage before using, turn the voltage selector to 110v.



3. Plug the transformer's power cord into a source of 110 volts.



4. 220 volts will be available at the front, panel outlet marked '220 volts' when the power switch is turned on.

Figure 6.1: Conversion Process Example

This diagram provides a visual guide on how to convert 110 volts to 220 volts. It shows ensuring the appliance wattage is suitable, selecting the correct input voltage (110V), plugging the transformer into a 110V source, and then connecting the appliance to the 220V output.



Figure 6.2: Application Example

This image demonstrates how the Cantonape VTUS-3000W transformer can be used with various overseas equipment in different countries, providing both 110V and 230V outputs for a range of household appliances.

7. MAINTENANCE

To ensure the longevity and proper functioning of your transformer, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the transformer from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Ventilation:** Periodically check that the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** Store the transformer in a cool, dry place when not in use.
- **Inspection:** Regularly inspect the power cord and the transformer for any signs of damage. If damage is found, discontinue use and contact customer support.

8. TROUBLESHOOTING

If you encounter issues with your Cantonape VTUS-3000W transformer, refer to the following common problems and solutions:

- **No Power / Power LED Off:**

- Ensure the transformer's power cord is securely plugged into a live wall outlet.
- Check if the wall outlet is functioning by plugging in another device.
- Verify the 'ON/OFF' switch on the front panel is in the 'ON' position.
- Check the circuit breakers on the unit. If tripped, reset them by pushing them back in.

- **Appliance Not Working / Intermittent Power:**

- Confirm that the input voltage selector switch on the rear of the transformer is correctly set to match your local power supply.
- Ensure your appliance is plugged into the correct output socket (110V for 110-120V appliances, 230V for 220-240V appliances).
- Check if the appliance's wattage exceeds the transformer's recommended capacity (50% higher than appliance rating). Overloading will trigger protection features.
- Disconnect all appliances and restart the transformer. Reconnect appliances one by one to identify a faulty device or an overload.

- **Unit Overheating:**

- Ensure the transformer is in a well-ventilated area and its vents are not blocked.
- Reduce the load by disconnecting some appliances if the total wattage is too high.
- Allow the unit to cool down. The over-temperature protection will automatically shut off the unit if it gets too hot.

9. WARRANTY AND SUPPORT

The Cantonape VTUS-3000W Voltage Transformer Converter comes with a **1-Year Manufacturer's Limited Warranty** from the date of purchase.

This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, unauthorized modification, or failure to follow the instructions in this manual.

For warranty claims, technical support, or any questions regarding your product, please contact Cantonape customer service through the retailer where the product was purchased or visit the official Cantonape website for contact information.

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