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› ELC T Series 1000 Watt Voltage Converter Transformer User Manual

ELC T-1000

ELC T Series 1000 Watt Voltage Converter Transformer User Manual

MODEL: T-1000

Product Overview

This manual provides instructions for the safe and efficient operation of your ELC T Series 1000 Watt Voltage Converter Transformer. This device facilitates voltage conversion between 110V and 220V, suitable for various home and industrial applications. It features a heavy-duty cord with a standard US 3-prong plug and incorporates efficient toroidal transformer technology for reliable performance.



Image: Front view of the ELC T-1000 Watt Voltage Converter Transformer, showcasing its compact design and integrated power cord.

Important Safety Instructions

Please read and understand all safety instructions before operating this device to prevent injury or damage.

- Read all instructions thoroughly before initial use.
- **Wattage Recommendation:** For optimal safety and to prevent damage to both the converter and your appliance, it is recommended to use a voltage converter/transformer with a maximum wattage rating at least 2 times higher than your appliance's wattage. For example, this 1000 Watt transformer should only be used with appliances that consume up to 450 Watts.
- **Voltage Compatibility:** This converter is designed for European/Asian 220V (Single Phase). It is **not** compatible with American 220V (Dual Phase) power systems.
- Always ensure the correct input voltage is selected on the unit before connecting it to any power source.
- Do not use this product for high-wattage heat-producing items such as coffee makers, espresso machines, or welding equipment.
- This unit is intended for indoor use only. Do not expose it to rain, moisture, or extreme temperatures.
- Keep the device out of reach of children.
- Do not attempt to open the casing or modify the unit. Refer all servicing to qualified personnel.

Key Features

- Up to 1000-Watt maximum capacity for versatile step-up/step-down voltage conversion.

- Capable of converting 220V to 110V (step-down) and 110V to 220V (step-up).
- Operates silently with no audible noise during use.
- Features efficient toroidal transformer technology, resulting in a unit that is approximately 20% lighter than traditional transformers.
- Equipped with dual circuit breaker protection for both 120V and 220V outputs, enhancing safety.
- CE Certified, ensuring compliance with European safety standards.
- Includes one 110V output socket and one universal 220V output socket for broad compatibility.

Efficient Toroidal Transformer

Lifetime Copper Coil

20%
More
Compact



40%
Lighter



No
Noise



Image: The ELC T-1000 Voltage Converter, illustrating its efficient toroidal transformer design, reduced weight, and silent operation.

Setup Guide

Follow these steps to correctly set up your voltage converter:

1. **Select Input Voltage:** Locate the input voltage selection switch on the back panel of the unit. Set this switch to the appropriate voltage for your local power source (e.g., 110V for North America or 220V for regions with 220-240V supply).
2. **Connect Appliance:** Connect your appliance's power cord to the corresponding output socket on the front of the converter. Use the socket labeled "OUTPUT 110-120V AC" for 110V appliances or the socket labeled "OUTPUT 220-240V AC" for 220V appliances.
3. **Connect to Power:** Plug the converter's heavy-duty power cord into a functional wall outlet.
4. **Power On:** Switch the ON/OFF button on the front of the unit to the "ON" position.



Image: Rear view of the ELC T-1000 Voltage Converter, highlighting the input voltage selector switch and circuit breakers for AC 220-240V and AC 110-120V.



Image: Front view of the ELC T-1000 Voltage Converter, displaying the 110-120V AC output socket, the universal 220-240V AC output socket, and the main ON/OFF power switch.

Operating Your Converter

Once the converter is properly set up and connected, its operation is straightforward. Ensure your appliance is connected to the correct output socket (110V or 220V) based on its specific voltage requirement. The unit will automatically perform the necessary step-up or step-down voltage conversion as determined by your input voltage selection and the output socket used.

Important: Always double-check the voltage requirements of your appliance before connecting it to the converter. Using an appliance with an incorrect voltage setting can lead to severe damage to both the appliance and the converter.

Care and Maintenance

Proper care and maintenance will ensure the longevity and reliable performance of your voltage converter:

- Store the converter in a dry, cool, and well-ventilated area, away from direct sunlight and heat sources.
- Clean the exterior of the unit with a soft, dry cloth. Do not use liquid cleaners, abrasive materials, or aerosol sprays.
- Ensure that all ventilation openings on the converter are clear and unobstructed to prevent overheating.
- Disconnect the converter from the power source when it is not in use for extended periods.

Troubleshooting

If you encounter issues with your ELC T Series Voltage Converter, refer to the following common problems and solutions:

• **No Power:**

- Verify that the power cord is securely plugged into both the converter and a functional wall outlet.
- Ensure the ON/OFF switch on the converter is in the "ON" position.
- Check the wall outlet by plugging in another device to confirm it is supplying power.
- Inspect the circuit breakers on the converter. If any are tripped (popped out), reset them by pushing them back in.

• **Appliance Not Working:**

- Confirm that your appliance is correctly plugged into the appropriate voltage output socket (110V or 220V) on the converter.
- Ensure the appliance's wattage does not exceed the recommended operating limit (up to 450W for this 1000W converter).
- Check the appliance's own power switch and settings.

• **Converter Overheating:**

- Ensure the converter is placed in a well-ventilated area with adequate airflow around it.
- Verify that the connected appliance's wattage is within the safe operating limits for the converter.
- If overheating occurs, immediately disconnect the appliance and allow the converter to cool down before resuming use.

Product Specifications

Specification	Detail
Model Number	T-1000
Maximum Capacity	1000 Watts
Recommended Appliance Wattage	Up to 450 Watts
Input Voltage	AC 110V-120V / AC 220V-240V (selectable)
Output Voltage	AC 110V-120V / AC 220V-240V
Frequency	50/60Hz
Dimensions	8.25 x 6.5 x 3.75 inches
Item Weight	8.5 pounds
Certifications	CE Certified
Protection	Dual Circuit Breakers (120V & 220V)

Warranty and Customer Support

This ELC T Series Voltage Converter Transformer is backed by a 3-year warranty. For warranty claims, technical assistance, or any product-related inquiries, please contact your retailer or the manufacturer directly. It is advisable to retain your purchase receipt as proof of purchase for warranty validation.

For further support, please refer to the contact information provided with your product packaging or visit the official ELC

website.

