

## ELC ELC-T2000

# ELC T Series 2000 Watt Voltage Converter Transformer User Manual

Model: ELC-T2000

## 1. INTRODUCTION AND OVERVIEW

The ELC T Series 2000 Watt Voltage Converter Transformer is designed for efficient step-up and step-down voltage conversion. This device allows you to convert voltage from 220V to 110V (step-down) or from 110V to 220V (step-up), making it suitable for various home and industrial applications. It operates silently and features a heavy-duty cord with a standard US 3-prong plug. The unit incorporates new efficient toroidal transformer technology, making it approximately 20% lighter than traditional transformers, and includes dual circuit breaker protection for both 120V and 220V circuits. This product is CE Certified.

## 2. IMPORTANT SAFETY INSTRUCTIONS

- **Appliance Wattage:** For safety, it is recommended to use a voltage converter/transformer with a maximum wattage at least **twice as high** as your appliance's wattage. For example, this 2000 Watt transformer should only be used with appliances consuming up to 950 Watts to prevent damage to both the transformer and the connected appliance.
- **Avoid High Heat Appliances:** This product is not recommended for high-wattage heat-producing items such as coffee makers, espresso machines, or welding equipment.
- **Voltage Compatibility:** This converter is designed for European/Asian 220V (Single Phase) systems. It will **not** work with American 220V (Dual Phase) systems.
- **Input Voltage Selection:** Before connecting any appliance or switching on the unit, always ensure you have selected the correct input voltage on the rear panel to match your power source. Incorrect selection can cause severe damage.
- **Indoor Use Only:** This device is intended for indoor use in dry environments. Do not expose to moisture or extreme temperatures.
- **Ventilation:** Ensure adequate ventilation around the unit. Do not block ventilation holes.
- **Grounding:** Always connect the transformer to a grounded outlet.

## 3. PRODUCT FEATURES

- **Maximum Capacity:** 2000 Watts (Step Up/Down)
- **Operation:** Silent and efficient
- **Technology:** New efficient toroidal transformer
- **Protection:** Dual circuit breakers for 120V and 220V
- **Certifications:** CE Certified
- **Input Voltage:** AC220-240V / 110-120V / 50-60Hz
- **Output Voltage:** AC110V / 220V / 50-60Hz
- **Output Sockets:** 1 x 110V US standard socket, 1 x Universal 220V socket

## 4. PACKAGE CONTENTS

- ELC T Series 2000 Watt Voltage Converter Transformer

## 5. SETUP INSTRUCTIONS

1. **Identify Your Power Source and Appliance Voltage:** Determine the voltage of the wall outlet you will be plugging the transformer into (e.g., 110V in North America, 220V in many other regions). Also, identify the operating voltage of the appliance you intend to use with the transformer.
2. **Select Input Voltage:** Locate the input voltage selector switch on the rear panel of the transformer. Set this switch to match the voltage of your wall outlet (e.g., 110V or 220V).



**Image:** Rear panel of the ELC T-2000 voltage converter. Note the input voltage selector switch (labeled 'INPUT VOLTAGE') and the circuit breaker (labeled 'ON/OFF').

3. **Connect Your Appliance:** Plug your appliance into the appropriate output socket on the front panel of the transformer. Use the 110-120V AC output for 110V appliances or the 220-240V AC output for 220V

appliances.



**Image:** Front panel of the ELC T-2000 voltage converter. The left socket is for 220-240V AC output, and the right socket is for 110-120V AC output. The red light indicates power.

4. **Plug into Power Source:** Connect the transformer's power cord to your wall outlet.

## 6. OPERATING INSTRUCTIONS

1. **Power On:** After completing the setup steps, locate the ON/OFF switch (circuit breaker) on the rear panel of the transformer. Flip the switch to the 'ON' position. The red power indicator light on the front panel should illuminate.
2. **Use Appliance:** You can now operate your connected appliance.
3. **Power Off:** When finished, turn off your appliance, then flip the ON/OFF switch on the transformer to the 'OFF' position.

## 7. MAINTENANCE

- **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 aerosols.
- **Ventilation:** Ensure the ventilation openings are clear of dust and debris to prevent overheating.
- **Storage:** Store the unit in a cool, dry place when not in use.

## 8. TROUBLESHOOTING

- **No Power/Appliance Not Working:**
  - Check if the transformer's ON/OFF switch is in the 'ON' position.
  - Verify that the input voltage selector on the rear panel is correctly set to match your wall outlet's voltage.

- Check if the circuit breaker has tripped. If so, reset it by flipping the switch to 'OFF' then 'ON'. If it trips again, the appliance may be drawing too much power or there is a fault.
- Ensure the wall outlet is functioning correctly.

- **Circuit Breaker Trips Repeatedly:**

- This indicates an overload. The connected appliance may exceed the transformer's safe operating wattage (remember the 2x safety margin). Disconnect the appliance and use one with lower wattage.
- Ensure the appliance is not faulty.

- **Unusual Noise or Smell:**

- The ELC T-2000 is designed for silent operation. If you notice any unusual noise, burning smell, or excessive heat, immediately turn off the unit, disconnect it from the power source, and discontinue use. Contact customer support.

## 9. SPECIFICATIONS

Model Number	ELC-T2000
Maximum Capacity	2000 Watts
Input Voltage	AC220-240V / 110-120V (50-60Hz)
Output Voltage	AC110V / 220V (50-60Hz)
Output Sockets	1 x 110V US, 1 x Universal 220V
Item Weight	12.5 Pounds (5.67 kg)
Product Dimensions	10.25 x 8 x 4.5 inches (26.04 x 20.32 x 11.43 cm)
Power Source	AC
Manufacturer	Enovize Inc
UPC	045635388260

## 10. WARRANTY INFORMATION

This ELC T Series 2000 Watt Voltage Converter Transformer comes with a **3-Year Warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation provided with your product or contact customer support.

## 11. SUPPORT AND CONTACT INFORMATION

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact the manufacturer, Enovize Inc. Refer to the contact information provided on the product packaging or the official ELC website for the most current support details.

