

## LiteFuze LT-3000

# LiteFuze LT Series 3000 Watt Voltage Converter Transformer Instruction Manual

Brand: LiteFuze | Model: LT-3000

## PRODUCT OVERVIEW

The LiteFuze LT Series 3000 Watt Voltage Converter Transformer is a heavy-duty device designed for converting electrical voltage between 110V/120V AC and 220V/240V AC. It features a universal output socket, circuit breaker protection, and Convertingbox™ technology for efficiency and reduced size. This transformer is suitable for worldwide use with various electronic appliances, ensuring safe and reliable power conversion.

## KEY FEATURES

- **Universal Output Socket:** Equipped with a universal outlet that accepts plugs from most countries and is fully grounded for safe operation.
- **Convertingbox™ Technology:** Utilizes a toroidal transformer for improved efficiency, quiet operation, and a more compact, lighter design compared to traditional transformers.
- **Circuit Breaker Protection:** Protects electronics and the transformer from power or voltage overload. No need to replace fuses; simply reset the circuit breaker.
- **Heavy Duty Step Up/Down Operation:** Converts 110V/117V/120V AC to 220V/230V/240V AC, or 220V/230V/240V AC to 110V/117V/120V AC.
- **Lifetime Copper Coil:** Features premium copper coils and wiring for reliable and efficient performance over an extended period.
- **CE Certified:** Designed with safety in mind and meets CE certification standards.

## SETUP INSTRUCTIONS

1. **Unpack the Transformer:** Carefully remove the LiteFuze LT-3000 voltage converter from its packaging. Inspect for any visible damage.
2. **Place the Transformer:** Position the transformer on a stable, flat surface with adequate ventilation. Ensure it is not obstructed by other objects.
3. **Select Input Voltage:** Locate the input voltage selector switch on the back of the unit. Set it to match the voltage of your local power source (e.g., 110V-120V or 220V-240V). **Warning:** Incorrect input voltage selection can damage the unit and

connected appliances.

4. **Connect Power Cord:** Plug the detachable power cord into the input socket on the back of the transformer. Then, plug the other end of the power cord into a wall outlet matching the selected input voltage.
5. **Power On:** Flip the ON/OFF switch on the front panel to the 'ON' position. The power indicator light should illuminate.
6. **Connect Appliance:** Plug your appliance into the appropriate output socket on the front of the transformer. Use the AC 110-120V output for 110V/120V appliances or the AC 220-240V universal output for 220V/240V appliances.
7. **Verify Appliance Wattage:** Ensure the wattage of your appliance does not exceed 60% of the transformer's maximum capacity (3000 Watts). For heat-producing appliances like coffee makers or toasters, it is recommended to use a transformer with a maximum wattage at least 3 times higher than the appliance's rating.



Image: Front view of the LiteFuze LT-3000 showing output sockets and power indicator.

## OPERATING INSTRUCTIONS

The LiteFuze LT-3000 transformer allows for both step-up and step-down voltage conversion. Always ensure the input voltage switch on the back is correctly set before connecting to a power source.

- **Step-Up Operation (110V/120V to 220V/240V):**

- a. Set the input voltage switch on the back of the transformer to "AC 110V-120V".
- b. Plug the transformer's power cord into a standard 110V/120V wall outlet.
- c. Plug your 220V/240V appliance into the "OUTPUT AC 220-240V" universal socket on the front of the transformer.

- **Step-Down Operation (220V/240V to 110V/120V):**

- a. Set the input voltage switch on the back of the transformer to "AC 220V-240V".
- b. Plug the transformer's power cord into a standard 220V/240V wall outlet.
- c. Plug your 110V/120V appliance into the "OUTPUT AC 110-120V" sockets on the front of the transformer.

**Important Note:** These transformers only convert voltage. The output frequency (Hz) remains the same as the input frequency.

This transformer is not designed to operate on US 220V (dual phase) and is not compatible with US 220V appliances.



Image: Back view of the LiteFuze LT-3000 highlighting the input voltage selector switch.

## 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 immerse the unit in water.
- **Ventilation:** Ensure the ventilation openings on the unit are not blocked 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.
- **Cord Care:** Regularly inspect the power cord for any signs of damage. Do not use the unit if the cord is frayed or damaged.

## TROUBLESHOOTING

### No Power Indicator Light:

- Check if the power cord is securely plugged into both the transformer and the wall outlet.
- Ensure the ON/OFF switch is in the 'ON' position.
- Verify the wall outlet is functioning by plugging in another device.
- Check if the circuit breaker on the unit has tripped. Press the reset button if it has.

### Appliance Not Working:

- Confirm the appliance is correctly plugged into the appropriate output socket (110V/120V or 220V/240V).
- Ensure the input voltage switch on the back of the transformer matches your local power supply.
- Verify the appliance's wattage does not exceed the transformer's recommended load capacity.
- Check the appliance's own power switch and functionality.

**Unit Overheating:**

- Ensure there is adequate ventilation around the transformer. Do not cover the vents.
- Reduce the load by disconnecting some appliances if the total wattage exceeds the recommended capacity.

**SPECIFICATIONS**

| Feature         | Detail                                                                                               |
|-----------------|------------------------------------------------------------------------------------------------------|
| Brand           | LiteFuze                                                                                             |
| Model           | LT-3000                                                                                              |
| Power Source    | Corded Electric                                                                                      |
| Mounting Type   | Floor Mount                                                                                          |
| Input Voltage   | AC 110V-120V / 220V-240V (selectable)                                                                |
| Output Voltage  | AC 110V-120V, AC 220V-240V                                                                           |
| Maximum Wattage | 3000 Watts (1800 Watts recommended for continuous use; 900-1000 Watts for heat-producing appliances) |
| Frequency       | 50 Hz / 60 Hz (output matches input)                                                                 |
| Item Weight     | 19.14 Pounds (approx. 8.68 kg)                                                                       |
| Certifications  | CE, FCC, RoHS                                                                                        |
| Technology      | Convertingbox™ (Toroidal Transformer)                                                                |

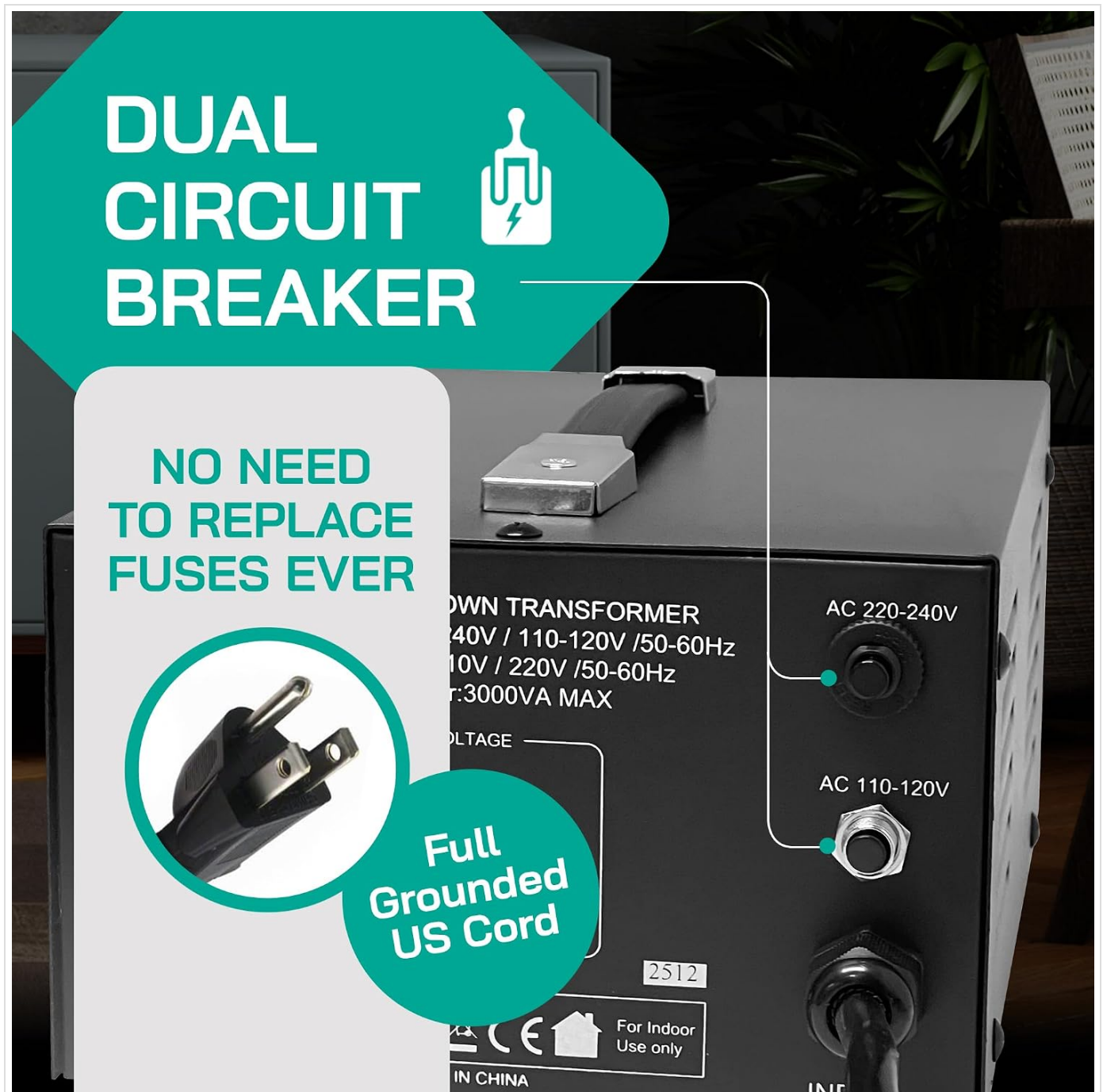


Image: Product specifications and dimensions of the LiteFuze LT-3000.

## WARRANTY AND SUPPORT

The LiteFuze LT-3000 Voltage Converter Transformer comes with a **5-year manufacturer's limited warranty**. For any problems, questions, or technical support, please contact LiteFuze directly.

- **Manufacturer Contact Information:** [info@litefuze.com](mailto:info@litefuze.com)

## PRODUCT MEDIA

### Product Images



Front view of the LiteFuze LT-3000 3000 Watt Voltage Converter Transformer, showing the universal and US-style output sockets, power indicator, and carry handle.



**Greater  
Efficiency**



**Half Weight  
than Others**



**Noise  
Reduction**



Back view of the LiteFuze LT-3000, illustrating the input voltage selector switch (110V-120V or 220V-240V), circuit breaker, and detachable power cord input.

# 3000W Step Up/Down Converter Transformer



Side view of the LiteFuze LT-3000, showing the power plug and ventilation grilles.



# 3000W Step Up/Down Converter Transformer



Image highlighting the LiteFuze LT-3000's features: greater efficiency, half weight compared to others, and noise reduction.

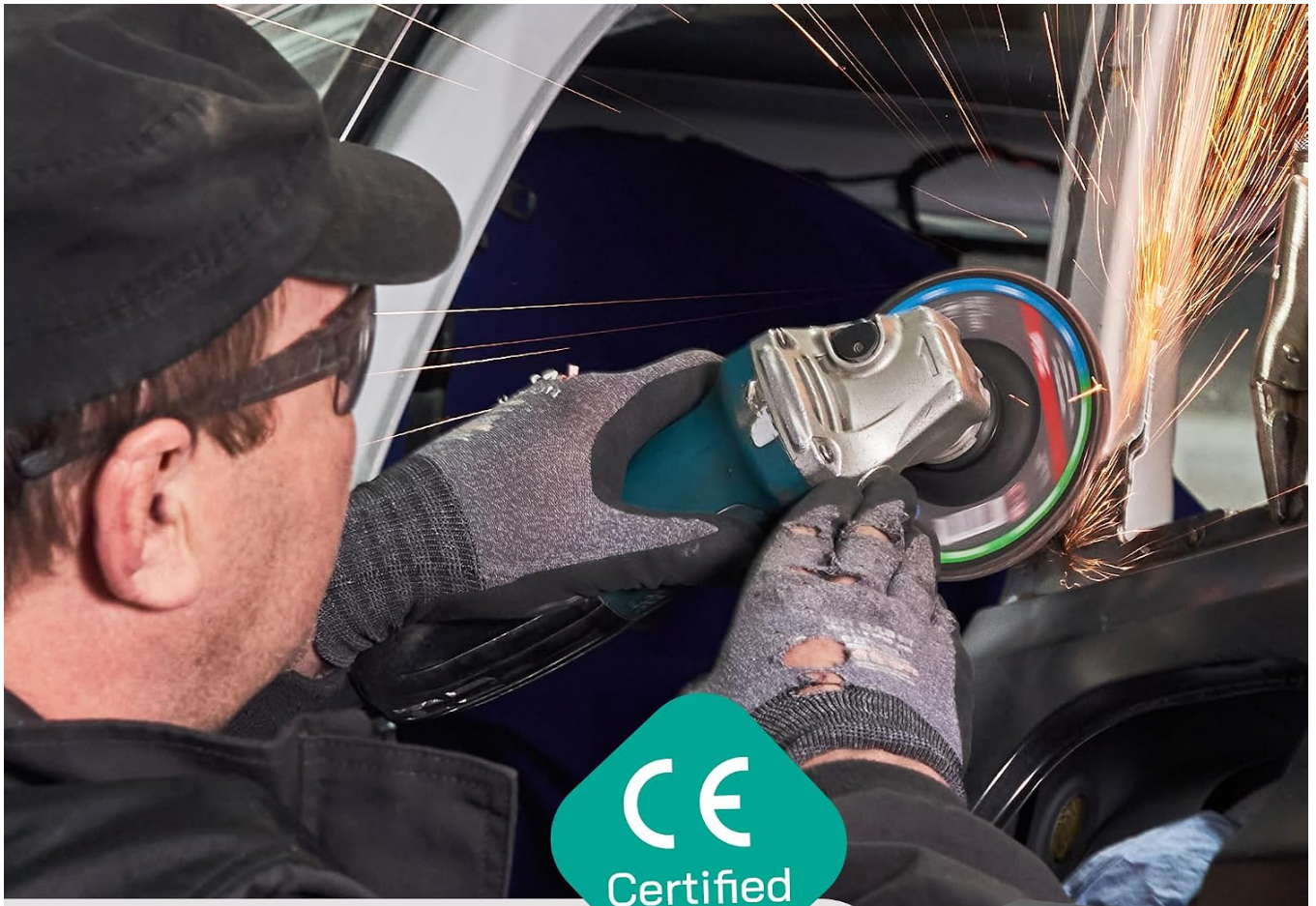


Up to  
**3000W**  
Maximum  
Capacity

Product Weight:  
9.5 kg / 20.9lbs



The LifeFuze LT-3000 in an application setting, demonstrating its use with a microwave oven, emphasizing its 3000W maximum capacity.



## HEAVY DUTY, DURABLE & SAFE

Patented Universal 220V Output Socket  
that accepts any plug around the world.



The LiteFuze LT-3000 shown in a heavy-duty industrial setting, highlighting its CE certification and robust design.

# CONVERTINGBOX TECHNOLOGY:

Half Weight, Noise Reduction  
and Greater Efficiency



Detailed explanation of Convertingbox™ Technology, emphasizing half weight, noise reduction, and greater efficiency.

# CONVERTINGBOX™ TECHNOLOGY:



## HALF WEIGHT

Toroidal core reduces a standard voltage transformer's weight by up to 50%



## NOISE REDUCTION

Reduces the noise level and vibrations close to none



## GREATER EFFICIENCY

Transform more power without losing any efficiency



Image illustrating the dual circuit breaker protection feature of the LiteFuze LT-3000, eliminating the need for fuse replacement.

# DUAL CIRCUIT BREAKER



**NO NEED  
TO REPLACE  
FUSES EVER**



**Full  
Grounded  
US Cord**

DOWN TRANSFORMER  
40V / 110-120V / 50-60Hz  
10V / 220V / 50-60Hz  
3000VA MAX

VOLTAGE

AC 220-240V

AC 110-120V

2512

For Indoor  
Use only

IN CHINA

A visual summary of the LiteFuze LT-3000's product specifications, including dimensions, weight, output types, and warranty information.



**EFFICIENT TOROIDAL  
TRANSFORMER WITH  
LIFETIME COPPER COIL**



*Does not work with 220-240V appliances  
such as Air Conditioners, Refrigerators,  
and other commercial appliances.*

The LiteFuze LT-3000 in an industrial painting setting, emphasizing its full grounded US cord for safety.



Dual Circuit  
Breaker  
Protection



Lifetime LiteFuze Tech Support  
& Manufacturer's Warranty

# PRODUCT SPECIFICATIONS



L: 26cm / 10.2"  
W: 18.5cm / 7.2"  
H: 12cm / 4.7"



9.5 kg / 20.9lbs



1x 110V USA Outlet  
1x 220V Universal Outlet



**Lifetime  
Manufacturer's Warranty**

*Please contact us for any  
problems or questions  
with this device*



CE Certified



**Convertingbox™  
Technology**

The LiteFuze LT-3000 in a music studio environment, highlighting its heavy-duty, durable, and safe design with a universal 220V output socket.

## EASY TO USE

Up to 3000W maximum capacity for electronics and appliances.

Set input voltage switch in the back



The LiteFuze LT-3000 in a bakery setting, demonstrating its ease of use with a clear instruction to set the input voltage switch on the back.

## 3000W Step Up/Down Converter Transformer



Full Grounded  
US Cord



An illustration emphasizing the efficient toroidal transformer with a lifetime copper coil, noting its incompatibility with certain high-power 220-240V appliances.



## Heavy Duty, Durable & Safe

Patented Universal 220V Output  
Socket that accepts any plug  
around the world with  
dual circuit breaker.



No Need  
to replace  
fuses ever

Dimensions:

L: 26cm / 10.2"

W: 18.5cm / 7.2"

H: 12cm / 4.7"

Item Weight:

9.5 kg / 20.9lbs

The LiteFuze LT-3000 in a laundry room setting, highlighting the benefits of Convertingbox™ Technology: half weight, noise reduction, and greater efficiency.

## Official Product Videos

Your browser does not support the video tag.

Video: An overview of the LiteFuze LT-2000 2000 Watt Voltage Converter Transformer, showcasing its features and benefits. This video is relevant as it describes the LT series and its technology, which applies to the LT-3000 model.

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### 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**