

## LVYUAN VTUS-800

# LVYUAN 800W Step Up/Down Voltage Converter Transformer

Model: VTUS-800

## 1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all instructions before using this voltage converter. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Do not overload the converter:** This 800W converter is not suitable for high-power appliances such as coffee machines, hair dryers, rice cookers, microwave ovens, air conditioners, or curling irons. For such appliances, a higher wattage converter (e.g., 3000W or 5000W) is required.
- **Select correct input voltage:** Always ensure the input voltage selector switch on the back of the unit is set to match the local power supply (110V-120V or 220V-240V) before plugging in the converter. Incorrect selection can damage the unit and connected appliances.
- **Indoor use only:** Do not expose the converter to rain or moisture.
- **Keep away from children:** Store the converter in a safe place out of reach of children.
- **Proper ventilation:** Ensure adequate airflow around the converter. Do not block ventilation openings.
- **Grounding:** The converter must be properly grounded.

## 2. PRODUCT OVERVIEW

The LVYUAN 800W Voltage Converter Transformer is designed for both step-up and step-down voltage conversion, allowing you to use appliances from different regions. It converts 110V-120V to 220V-240V and vice-versa.

### Key Features:

- **Bidirectional Voltage Conversion:** Step up from 110V-120V to 220V-240V or step down from 220V-240V to 110V-120V.
- **Multiple Outlets:** Features two US-standard 110V-120V output sockets and two universal 220V-240V output sockets.

- **Resettable Circuit Breaker:** Provides protection against overload and overcurrent without needing to replace fuses.
- **Durable Design:** Constructed with a metal casing and a fanless cooling system for quiet, odorless operation.
- **High-Quality Toroidal Coil:** Ensures stable and efficient power conversion.

### Component Identification:

	Electrical power	Recommended transformer power
LED Desk/Floor Lamp	<b>≤500W</b>	<b>800W</b>
Laptop		
Gaming Console		
Electric Fan		
Air Purifier		
Hot Water Kettle	<b>≤1400W</b>	<b>2000W</b>
Vacuum Cleaner		
Electric Pressure Cooker		
Grinder		
Toaster		
Induction Cooker	<b>≤4000W</b>	<b>5000W</b>
Central Air Conditioner(Home)		
Tankless Electric Water Heater		
Commercial Induction Cooktop		
High-Power Electric Heater		
<p>*The transformer only converts the voltage, not the frequency Hz. If your appliance is not compatible with 50/60Hz, it will have an effect on the usage effect.</p> <p>*Some appliances, such as heating appliances, Refrigerator, Air Conditioner and Coffee Maker, require 2-4 times more watts at start up than the printed rated wattage.</p> <p>*Appliances with motors may require from 3 to 7 times the listed wattage when starting. The startup load of the appliance or tool determines whether a transformer has the capability to power it.</p>		

Figure 1: Front Panel - 220V-240V Output Sockets, 110V-120V Output Sockets, Power LED.

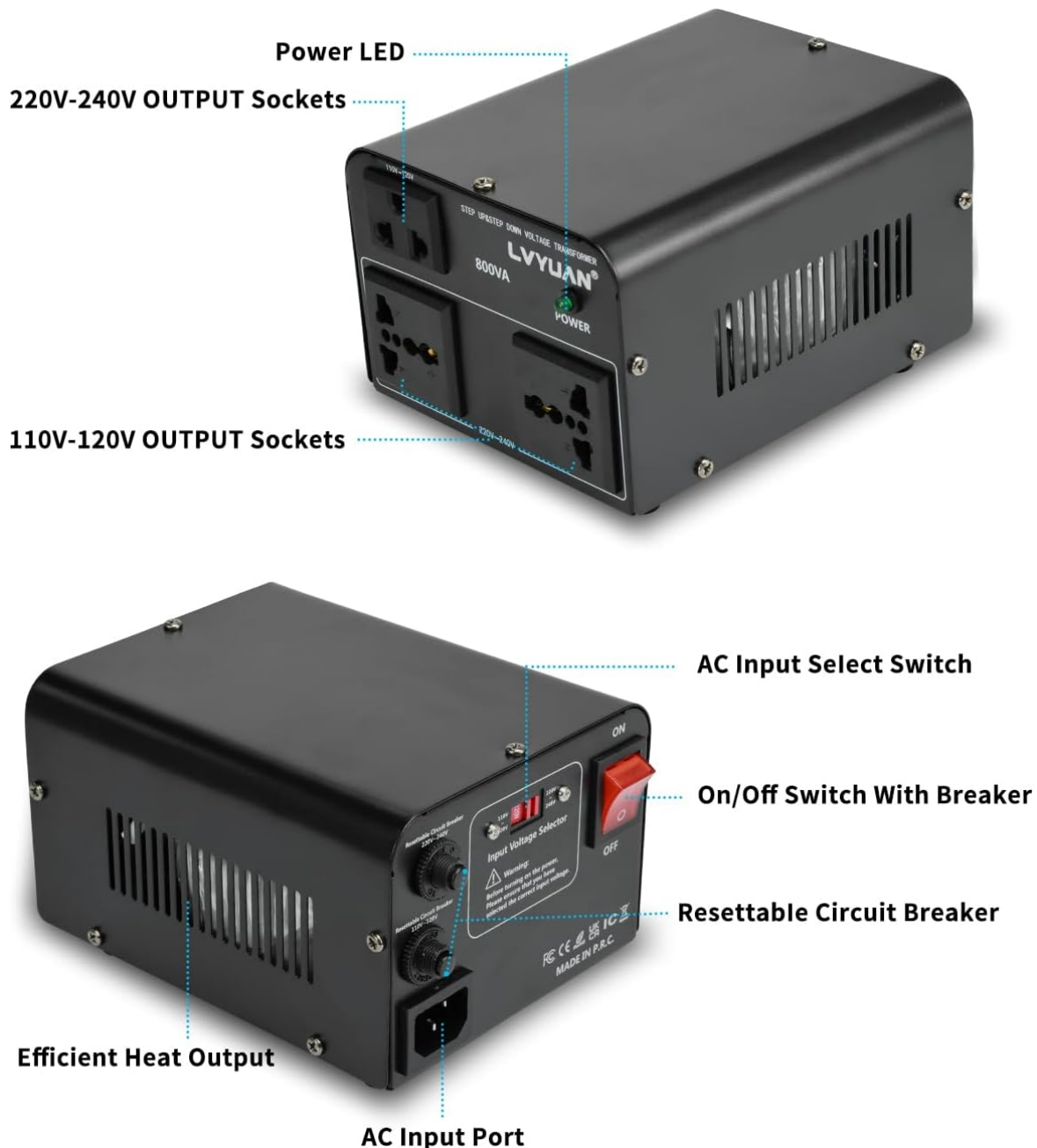


Figure 2: Rear Panel - AC Input Select Switch, On/Off Switch with Breaker, Resettable Circuit Breaker, AC Input Port.

### 3. SETUP

1. **Unpack the Converter:** Carefully remove the converter and all accessories from the packaging.
2. **Place the Converter:** Position the converter on a stable, flat surface with adequate ventilation. Ensure no objects block the heat output vents on the sides.
3. **Select Input Voltage:** Locate the **Input Voltage Selector** switch on the rear panel. **CRITICAL:** Set this switch to match the voltage of your wall outlet (e.g., 110V-120V if plugging into a US outlet, or 220V-240V if plugging into a European outlet). **Incorrect selection will damage the unit and connected appliances.**



Figure 3: Input Voltage Selector

4. **Connect Power Cord:** Plug the detachable power cord into the AC Input Port on the rear of the converter. Then, plug the other end of the power cord into your wall outlet.
5. **Power On:** Flip the red ON/OFF switch to the 'ON' position. The green 'POWER' LED on the front panel will illuminate, indicating the unit is ready for use.

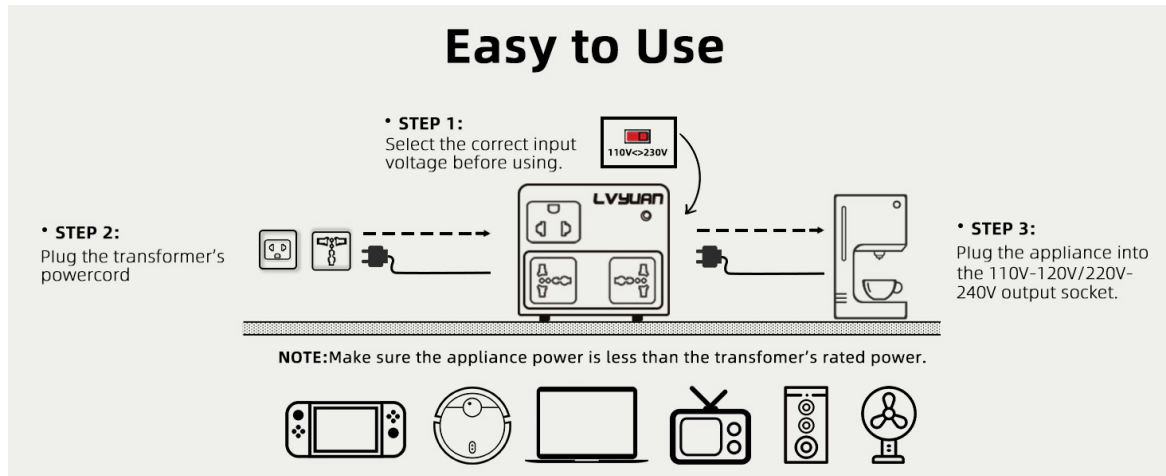


Figure 4: Easy Setup Steps

## 4. OPERATING INSTRUCTIONS

Once the converter is powered on and the green LED is lit, you can connect your appliances.

1. **Identify Appliance Voltage:** Check the voltage requirement of your appliance.
2. **Select Correct Output Socket:**
  - If your appliance requires 110V-120V, plug it into one of the **110V-120V output sockets** (typically labeled 'US outlets').
  - If your appliance requires 220V-240V, plug it into one of the **220V-240V universal output sockets**.
3. **Power On Appliance:** Turn on your appliance.

### Important Wattage Considerations:

- Always ensure the total power consumption of all connected appliances does not exceed the converter's 800W rating.
- For appliances with motors (e.g., blenders, vacuum cleaners), the startup wattage can be 2-7 times higher than the rated wattage. Consider this surge when selecting a converter.



Figure 5: Wattage Suitability and Recommendations

### Video Demonstration:

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*Video 1: Official LVYUAN Voltage Transformer Converter 800 Watt Overview. This video demonstrates the physical appearance and basic features of the LVYUAN 800W voltage converter.*

## 5. MAINTENANCE

To ensure the longevity and optimal performance of your LVYUAN voltage converter, follow these simple maintenance guidelines:

- **Cleaning:** Disconnect the converter from the power source before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or abrasive materials.
- **Ventilation:** Regularly check that the ventilation openings on the sides of the unit are clear of dust and debris to prevent overheating.
- **Storage:** When not in use for extended periods, store the converter in a cool, dry place away from direct sunlight and moisture.

## 6. TROUBLESHOOTING

If you encounter issues with your converter, refer to the following common problems and solutions:

- **No Power (Power LED Off):**
  - Check if the power cord is securely plugged into both the converter 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.
- **Appliance Not Working (Power LED On):**
  - Confirm the appliance is plugged into the correct voltage output socket (110V-120V or 220V-240V).
  - Check if the appliance's power consumption exceeds the converter's 800W rating.
  - Inspect the resettable circuit breaker buttons on the rear panel. If a button has popped out, it indicates an overload. Reduce the load and press the button to reset it.



Figure 6: Resettable Circuit Breaker

- Ensure the Input Voltage Selector is set correctly for your local power supply.
- **Unusual Noise or Smell:** Immediately turn off the converter and disconnect it from the power source. Contact customer support.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	VTUS-800
Output Power	800W
Input Voltage	AC 110V-120V / 220V-240V
Output Voltage	AC 220V-240V / 110V-120V
Frequency	50Hz / 60Hz (Voltage conversion only, not frequency)
Product Dimensions (L x W x H)	8.46 x 7.09 x 7.09 inches (21.5 x 18 x 18 cm)
Item Weight	6.6 pounds (3 Kilograms)
Certifications	FC, CE, RoHS

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<b>Item Model Number</b>	:VTUS-800VA	<b>Output Power</b>	:800W
<b>Input Voltage</b>	:AC 110V-120V / 220V-240V	<b>Output Voltage</b>	:AC 220V-240V / 110V-120V
<b>Frequency</b>	:50Hz / 60Hz	<b>Certification</b>	:FC&CE&ROSH
<b>Product Size</b>	:6.89 x 5.12 x 4.13in	<b>Net Weight</b>	:5.51 lbs / 2.5 kg

Figure 7: Product Dimensions and Specifications

## 8. WARRANTY AND SUPPORT

Your LVYUAN 800W Voltage Converter Transformer comes with a **3-Year Manufacturer's Limited Warranty**.

For any questions, technical assistance, or warranty claims, please contact LVYUAN customer service. We aim to provide a response within 12 hours.

For more information and support, please visit the [LVYUAN Store on Amazon](#).



*Figure 8: Warranty and Support Information*