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Yinleader US-UK-EU-800VA

Yinleader 800W Step Up & Step Down Voltage Converter Transformer User Manual

Model: US-UK-EU-800VA

1. PRODUCT OVERVIEW

The Yinleader 800W Step Up & Step Down Voltage Converter Transformer provides a versatile solution for converting electrical voltages. It allows you to convert 110V/120V to 220V/240V, or 220V/240V to 110V/120V, making it suitable for use with various appliances globally. This unit is designed with circuit breaker protection for enhanced safety.

Key features include multiple AC outputs (US, EU, UK standard sockets) and a detachable power cord system for easy adaptation to different regions.



Image: The Yinleader 800W Voltage Converter, showing its front panel with US, EU, and UK output sockets, along with the three detachable power cords (US, EU, UK) included in the package.

2. SAFETY INSTRUCTIONS

Always read and understand all safety instructions before operating this voltage converter. Failure to do so may result in electric shock, fire, or serious injury.

- **Correct Voltage Selection:** Before connecting any appliance, ensure the input voltage selector on the back of the unit is set to match the local power supply (110V or 220V). Incorrect selection can damage the converter and connected appliances.
- **Appliance Wattage:** Do not exceed the maximum wattage rating of the converter (800W). For safety, it is recommended to use a converter with a maximum wattage at least 50% higher than your appliance's rated wattage. For appliances with motors (e.g., refrigerators, air conditioners, coffee makers), a transformer 2-7 times the listed wattage may be required due to high startup current.
- **Frequency:** This transformer converts voltage, not frequency (Hz). Ensure your appliance is compatible with the local frequency (50Hz or 60Hz). Incompatibility may affect usage.
- **Circuit Breaker Protection:** The unit features dual circuit breakers (for 110V and 220V) that will trip if the converter is overloaded. If a circuit breaker trips, disconnect some appliances and reset the breaker before

resuming operation.

- **Ventilation:** Ensure adequate ventilation around the converter. Do not block the ventilation grilles.
- **Environment:** Use the converter in a dry environment, away from water, moisture, and extreme temperatures.

[Note] 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.

Hair dryers and coffee makers are recommended to choose a transformer with more than 2 times power.



Image: A visual representation of the voltage converter's input and output capabilities, emphasizing that it converts voltage but not frequency. It also includes a note recommending a transformer with more than 2 times the power for certain appliances like hair dryers and coffee makers.

3. PRODUCT FEATURES

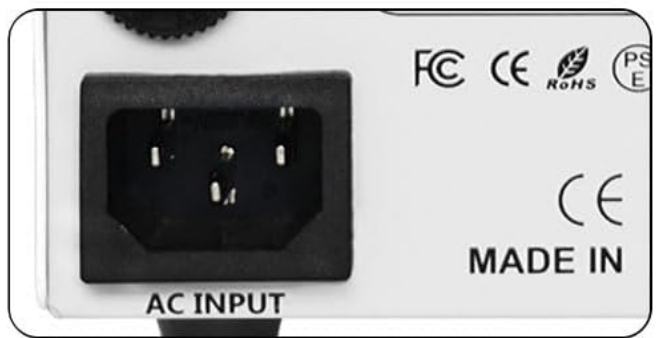
The Yinleader voltage converter is equipped with several features for safe and efficient operation:

- **Multiple AC Outputs:**
 - **US 110V Output:** Standard US socket for 110-120V appliances.
 - **EU 230V Output:** European standard socket for 220-240V appliances.

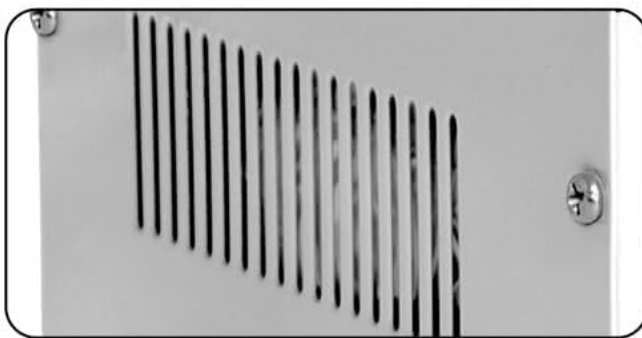
- **UK 230V Output:** UK standard socket for 220-240V appliances.
- **Detachable Power Cord:** Allows for easy switching between different country-specific power cords (US, EU, or UK included).
- **Dual Circuit Breakers:** Independent resettable circuit breakers for 110V and 220V circuits provide overload protection.
- **Input Voltage Selector:** A switch on the rear panel to select between 110V and 220V input voltage.
- **Double Row Cooling:** Integrated ventilation grilles for efficient heat dissipation.
- **Power LED Indicator:** Illuminates when the unit is powered on.



POWER SWITCH



Detachable Power Cord



DOUBLE ROW COOLING



AC INPUT SELECTOR



US 110V OUTPUT

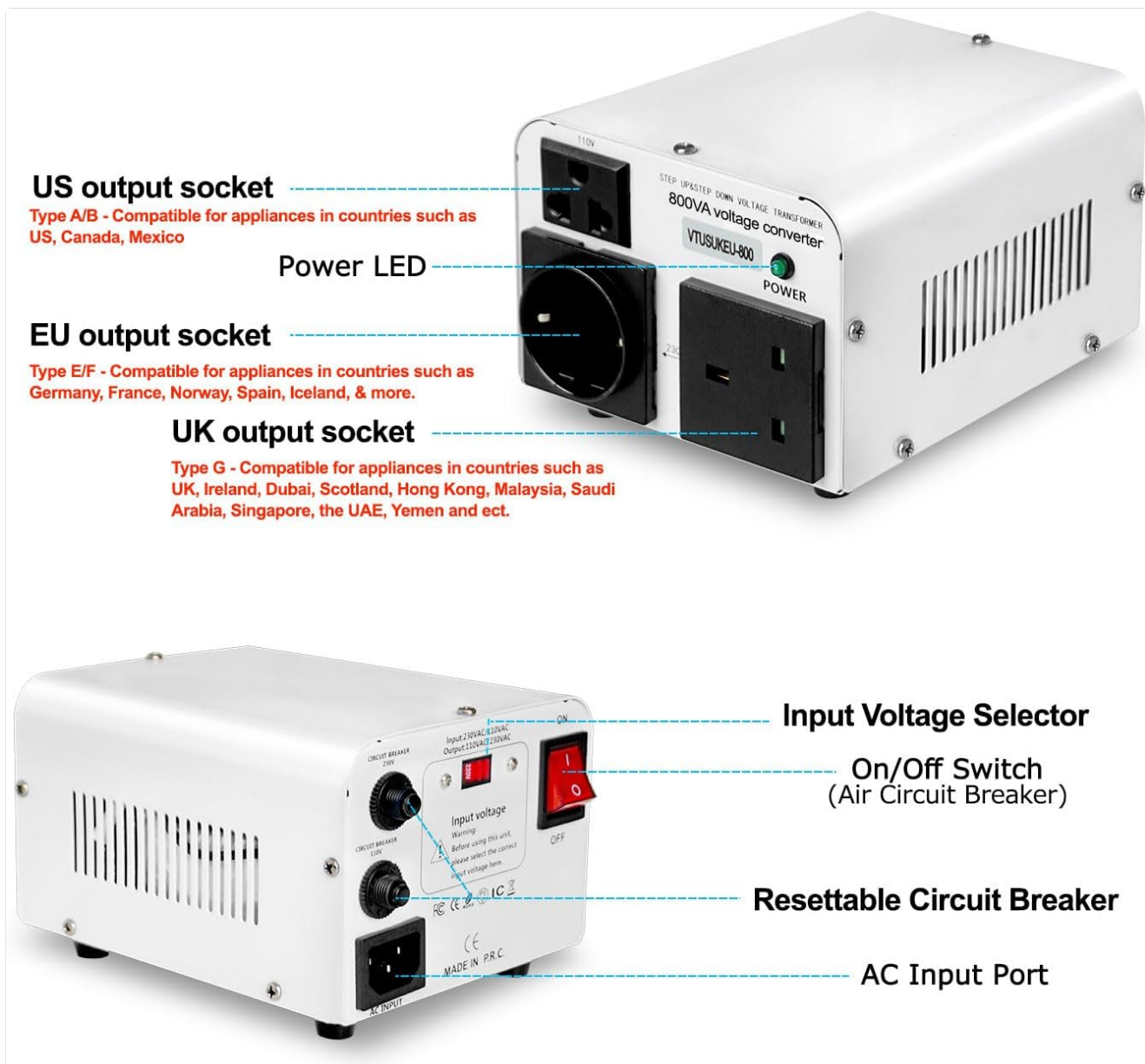


EU 230V OUTPUT



UK 230V OUTPUT

Image: Detailed views highlighting the power switch, detachable power cord input, double row cooling vents, the AC input voltage selector, and the US, EU, and UK output sockets on the converter.



US output socket

Type A/B - Compatible for appliances in countries such as US, Canada, Mexico

Power LED

EU output socket

Type E/F - Compatible for appliances in countries such as Germany, France, Norway, Spain, Iceland, & more.

UK output socket

Type G - Compatible for appliances in countries such as UK, Ireland, Dubai, Scotland, Hong Kong, Malaysia, Saudi Arabia, Singapore, the UAE, Yemen and ect.

Input Voltage Selector

On/Off Switch
(Air Circuit Breaker)

Resettable Circuit Breaker

AC Input Port

Image: A comprehensive diagram labeling the US output socket, EU output socket, UK output socket, Power LED, Input Voltage Selector, On/Off Switch (Air Circuit Breaker), Resettable Circuit Breaker, and AC Input Port.

4. SETUP

Follow these steps to set up your voltage converter:

1. **Unpack:** Carefully remove the converter and all accessories from the packaging.
2. **Select Input Voltage:** Locate the input voltage selector switch on the rear panel of the converter. Set this switch to match the voltage of your local power supply (e.g., 110V for North America, 220V for Europe). This is a critical step to prevent damage.
3. **Connect Power Cord:** Attach the appropriate detachable power cord (US, EU, or UK) to the AC Input port on the rear of the converter.
4. **Initial Placement:** Place the converter on a stable, flat surface, ensuring adequate space around it for ventilation.

Your browser does not support the video tag.

Video: This video demonstrates how to correctly select the input voltage (110V or 220V) on the rear panel of the voltage converter

before use, a crucial step for safe operation.

5. OPERATING INSTRUCTIONS

This converter can operate in both step-up (110V/120V to 220V/240V) and step-down (220V/240V to 110V/120V) modes.

5.1. Converting 110V/120V to 220V/240V (Step-Up)

1. Ensure the appliance to be plugged in uses fewer watts than the transformer's rating (800W).
2. Select the correct input voltage: Turn the voltage selector on the rear panel to "110V".
3. Plug the transformer's power cord into a 110V/120V source outlet.
4. Connect your 220V/240V appliance to either the EU 230V or UK 230V output socket on the front panel.
5. Turn on the power switch on the front panel. The Power LED will illuminate, and 220V/240V will be available at the selected output.

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.

Image: A step-by-step visual guide demonstrating the process of converting 110V input to 220V output, including checking appliance wattage, setting the input voltage selector, plugging into a 110V source, and connecting the appliance to the 220V output.

5.2. Converting 220V/240V to 110V/120V (Step-Down)

1. Ensure the appliance to be plugged in uses fewer watts than the transformer's rating (800W).
2. Select the correct input voltage: Turn the voltage selector on the rear panel to "220V".
3. Plug the transformer's power cord into a 220V/240V source outlet.
4. Connect your 110V/120V appliance to the US 110V output socket on the front panel.
5. Turn on the power switch on the front panel. The Power LED will illuminate, and 110V/120V will be available at the US output.

5.3. Recommended Transformer Power

Refer to the table below for guidance on selecting the appropriate transformer power for various electrical appliances. Always ensure the transformer's maximum power rating is sufficient for your device, especially for motor-driven appliances which require higher startup power.

	Electrical power	Recommended transformer power
Cell Phone Charger	<300W	500W+
Blu-Ray or DVD Player		
Clock Radio		
iPad / Tablet		
Inkjet Printer		
Satellite Dish / Receiver		
Laptop Computer		
Stereo		
TV		
Home Theater Projector		
Vacuum Cleaner	<600W	1000W+
Hair Dryer		
Desktop with Monitor		
Waffle Iron		
Coffee Maker	1000W+	3000W+
Space Heater		
Blender		
Microwave		
Toaster Oven		
Air Fryer		
<p>For safety reasons, it's recommended to use a Voltage Converter / Transformer that's max watts is at least 50% higher than your appliance. For example, if your appliance is rated at 100 watts, you need to buy a Transformer with a max power of at least 150 watts or greater. 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. *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>		

Image: A table listing common electrical appliances, their typical power consumption, and the recommended minimum transformer power for safe and effective operation. It highlights that some appliances require significantly higher transformer power than their rated wattage.

Your browser does not support the video tag.

Video: This video provides a general overview of the 800W voltage transformer, showcasing its design and functionality for converting between 220V and 110V.

6. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your voltage converter:

- **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 aerosols.
- **Ventilation:** Regularly check that the ventilation grilles are free from dust and debris to ensure proper airflow and prevent overheating.
- **Storage:** When not in use for extended periods, store the converter in a cool, dry place, away from direct sunlight and moisture.
- **Inspection:** Periodically inspect the power cords and the converter for any signs of damage, such as frayed wires or cracked casings. Do not use if damaged.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Converter not powering on.	No power from wall outlet. Power switch is off. Power cord not properly connected.	Check wall outlet with another device. Ensure power switch is in the "ON" position. Verify power cord is securely plugged into both the converter and the wall outlet.
Circuit breaker trips frequently.	Overload (too many appliances or high-wattage appliance). Incorrect input voltage selection.	Disconnect some appliances. Ensure total wattage does not exceed 800W. Consider a higher wattage converter if needed. Verify the input voltage selector is set correctly for your local power supply. Reset the circuit breaker by pressing the button.
Appliance not working after conversion.	Incorrect output socket used. Appliance not compatible with frequency. Appliance is faulty.	Ensure appliance is plugged into the correct voltage output socket (US 110V, EU 230V, UK 230V). Confirm your appliance's frequency compatibility with the local power supply. Test the appliance directly if possible, or with another power source.



Image: The rear panel of the voltage converter, clearly showing the input voltage selector switch and the two resettable circuit breaker buttons (for 110V and 220V), which are essential for troubleshooting overload issues.

8. SPECIFICATIONS

Feature	Detail
Model Number	US-UK-EU-800VA
Maximum Wattage	800W
Input Voltage	110V/120V or 220V/240V (selectable)
Output Voltage	110V/120V and 220V/240V (simultaneous output)
Current Rating	5 Amps
Frequency	50Hz / 60Hz (Pass-through, not converted)

Feature	Detail
Product Dimensions	7 x 5 x 4 inches (17.7cm x 12.5cm x 9.6cm)
Item Weight	6 pounds
Manufacturer	ShenZhenShiYinHangZheKeJiYouXianGongSi
Certification	CE



power cord *3



user's manual

Image: A diagram illustrating the physical dimensions of the voltage converter, including its length (6.97 inches / 17.7 cm), width (4.92 inches / 12.5 cm), and height (3.78 inches / 9.6 cm).

9. WARRANTY & SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact Yinleader customer service directly. Keep your purchase receipt for warranty claims.

Visit the official Yinleader store for more products and support: [Yinleader Store](#)

