

LVYUAN VTJP550VA

LVYUAN 550VA Step Up/Down Transformer User Manual

Model: VTJP550VA

1. IMPORTANT SAFETY INFORMATION

Please read all instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Voltage Matching:** Always ensure the input voltage selected on the transformer matches the local power supply voltage. Incorrect voltage selection can damage the transformer and connected appliances.
- **Appliance Compatibility:** Verify that the rated power consumption (W) of your appliance is within the transformer's rated output (VA/W).
- **High-Load Devices:** For appliances with high starting loads or those requiring significant instantaneous power (e.g., motors, compressors), select a transformer with a capacity 1.5 to 2 times the appliance's actual power consumption.
- **Prolonged Use:** For continuous operation, use the transformer at no more than 80% of its rated capacity to prevent overheating and ensure longevity.
- **Voltage Band Limitation:** This transformer is designed for converting between 100V-110V and 220V-240V ranges. It cannot convert voltage within the same band (e.g., 100V to 110V).
- **200V AC Warning:** This product is not intended for use with AC 200V input or to supply AC 200V power if it falls outside the specified AC 100V-110V & AC 220V-240V range.
- **Ventilation:** Ensure adequate ventilation around the transformer during operation. Do not cover the ventilation openings.

2. PRODUCT OVERVIEW

The LVYUAN VTJP550VA is a versatile step up/down voltage transformer designed for safe and efficient use of electrical appliances worldwide. It allows you to convert voltage between 100V-110V and 220V-240V, making it ideal for international travel or using foreign appliances domestically.

2.1 Key Features

- **Dual Functionality:** Converts voltage both up (step-up) and down (step-down).

- **Wide Compatibility:** Supports various plug types for global use.
- **High Efficiency:** Utilizes a pure toroidal core for efficient power conversion (85%-90% power factor).
- **Safety Protection:** Equipped with a circuit breaker for overload protection.
- **Compact Design:** Portable and suitable for travel.

2.2 Product Diagram

スイッチ1つで “日本と海外” を切替可能!

背面の入力電圧切替スイッチで、**日本での使用**と**海外での使用**を簡単に切り替え!

1台あれば国内での海外製品利用から海外の旅行まで対応します。

- ・ 100Vまたは110Vの電源を入力する場合
→ 「110V」の表記が見えるようにスイッチを切り替える



- ・ 220Vまたは240Vの電源を入力する場合
→ 「220V」の表記が見えるようにスイッチを切り替える



Figure 1: Front and Rear View of the LVYUAN VTJP550VA Transformer with labeled components.

Power Switch (ON/OFF): Controls the main power to the unit.

Power Lamp: Indicates when the unit is powered on.

100V-110V Output Socket: For connecting appliances requiring 100V-110V.

220V-230V Output Sockets: For connecting appliances requiring 220V-230V.

Heat Dissipation Port: Ensures proper cooling of the unit.

AC Input Selector Switch: Located on the rear, used to select the input voltage (100V-110V or 220V-240V).

Circuit Breaker Recovery Button: Resets the circuit breaker after an overload.

AC Input Port: For connecting the transformer to the main power supply.

3. SETUP INSTRUCTIONS

Follow these steps to set up your LVYUAN transformer for safe operation.

3.1 Selecting Input Voltage

1. Before plugging in the transformer, locate the **AC Input Selector Switch** on the rear panel.
2. Set the switch to match the voltage of your local power outlet:
 - If your local power is **100V or 110V**, slide the switch to display "100V-110V".
 - If your local power is **220V or 240V**, slide the switch to display "220V-240V".

WARNING: Selecting the wrong input voltage can severely damage the transformer and connected devices. Always double-check this setting.

世界各国の電源プラグに対応するマルチタイプのコンセント

マルチタイプのコンセント形状で、世界各国で使用される電源プラグ形状にそのまま対応できます。

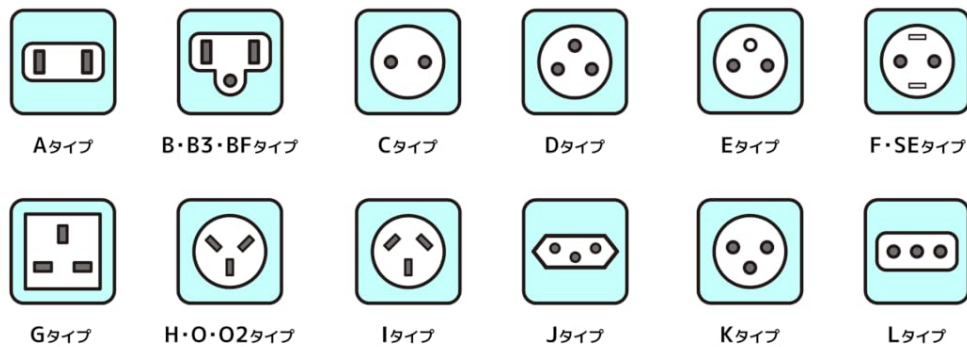


Figure 2: Rear panel showing the Input Voltage Selection Switch and Circuit Breaker Recovery Button.

3.2 Connecting the Transformer

3. Plug the transformer's power cord into a wall outlet.
4. Flip the **Power Switch** on the front panel to the "ON" position. The **Power Lamp** should illuminate, indicating the transformer is receiving power.

3.3 Connecting Your Appliance

5. Identify the voltage required by your appliance.
6. Plug your appliance into the corresponding output socket on the transformer:
 - For 100V-110V appliances, use the **100V-110V Output Socket**
 - For 220V-230V appliances, use one of the **220V-230V Output Sockets**.

WARNING: Ensure your appliance's plug type is compatible with the transformer's output sockets. If not, use an appropriate plug adapter (not included).

海外の電化製品が家庭で使える!

アップ/ダウン両用 変圧器 UP&DOWN TRANS FORMER

UP&DOWN

100~110V  220~230V



純銅トロイダルコア



マルチ対応プラグ



安心の保護機能

日本企画製品
DESIGNED IN JAPAN



Figure 3: Examples of connecting various appliances to the transformer.

4. OPERATING INSTRUCTIONS

Once set up, operating the transformer is straightforward.

1. **Power On:** Ensure the input voltage selector is correctly set, then turn the **Power Switch** to "ON". The **Power Lamp** will light up.
2. **Appliance Use:** Turn on your connected appliance. If the appliance has its own power switch, use that to control its operation.
3. **Power Off:** When finished, turn off your appliance first, then flip the transformer's **Power Switch** to "OFF". Unplug the transformer from the wall outlet if not in use for an extended period.

使用方法

- 01 変圧器を使用する前に、必ず入力する電圧（電源プラグを差し込む電源の電圧）を選択してください。



※間違った電圧を選択した状態で電源入力をされた場合、正常に変圧が行えず使用を続けた場合本体の故障などの原因となる恐れがございます。必ず正しい電圧を選択して使用してください。

- 02 通電しているコンセントに本製品の電源プラグを挿し込みます。(A)

- 03 本製品の通電LED(B)が点灯していることを確認し使用する機器の電源プラグを本製品のコンセント(C)に挿し込んでください。



本製品の電源ケーブルはAタイプのコンセントです。Aタイプ以外のコンセントを使用している地域には別売の電源変換プラグをご使用ください。



注意

① 通電LEDが点灯しない場合は、挿し込んでいるコンセントに通電していない可能性があります。その場合は、他のコンセントをお試しください。

② 使用中に通電LEDが消えた場合は、機器の使用電力が、本製品の定格電力を超えた可能性がありますので速やかに使用を中止してください。

電源プラグ(A)



電気シェーバーなど

通電LED(B)



製品コンセント(C)

Figure 4: Step-by-step guide for connecting and using the transformer.

5. MAINTENANCE

Proper maintenance ensures the longevity and safe operation of your transformer.

- **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 solvents.
- **Storage:** Store the transformer in a cool, dry, and well-ventilated area away from direct sunlight and extreme temperatures.
- **Ventilation:** Regularly check that the ventilation ports are clear of dust and debris to prevent overheating.
- **Inspection:** Periodically inspect the power cord and plugs for any signs of damage. Do not use the transformer if any part is damaged.

6. TROUBLESHOOTING

If you encounter issues with your LVYUAN transformer, refer to the following common problems and solutions.

Problem	Possible Cause	Solution
Transformer does not power on (Power Lamp is off).	• No power from wall outlet. • Power switch is off. • Input voltage selector is incorrect. • Circuit breaker tripped.	• Check the wall outlet with another device. • Ensure the Power Switch is in the "ON" position. • Verify the Input Voltage Selector matches your local power supply. • Press the Circuit Breaker Recovery Button on the rear panel.
Power Lamp goes out during use.	Overload protection activated.	• Disconnect the appliance. • Press the Circuit Breaker Recovery Button. • Ensure the connected appliance's power consumption is within the transformer's capacity (refer to Safety Information).
Appliance is not working correctly.	• Incorrect output voltage. • Appliance fault.	• Confirm the appliance is plugged into the correct output socket (100V-110V or 220V-230V). • Test the appliance directly in a compatible wall outlet if possible.

7. SPECIFICATIONS

Feature	Detail
Model	VTJP550VA
Rated Capacity	550VA

Feature	Detail
Power Factor	85%~90%
Rated Frequency	50Hz & 60Hz
Input Voltage	AC 100V~110V & AC 220V~240V
Output Voltage	AC 100V~110V & AC 220V~240V
Power Type	Single-phase AC power only
Protection Function	Circuit breaker for circuit interruption
Output Sockets	100V~110V x1, 220V~230V x2
Unit Dimensions (LxWxH)	17.5 cm x 11 cm x 8.2 cm
Unit Weight	Approx. 2.5 kg
Color	Black
UPC	711577176158
Country of Origin	China
Plug Type Compatibility	A / B / C / BF / B3 / O / O2 / SE type compatible

8. WARRANTY AND SUPPORT

8.1 Warranty Information

This LUYUAN transformer comes with a **1-year warranty** from the date of purchase. The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper voltage selection.

For detailed warranty terms and conditions, please contact the manufacturer directly.

8.2 Customer Support

If you have any questions, require technical assistance, or need to claim warranty service, please contact LUYUAN customer support through the retailer where you purchased the product or refer to the contact information provided with your purchase documentation.

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