

EQIMMFLJ R50 60W

EQIMMFLJ R50 60W Full Copper R Type Power Supply Instruction Manual

Model: R50 60W | Brand: EQIMMFLJ

1. INTRODUCTION

This manual provides essential information for the safe and efficient use of your EQIMMFLJ R50 60W Full Copper R Type Power Supply. Please read these instructions carefully before installation and operation. Keep this manual for future reference.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock. This device operates with high voltage. Improper installation or use can result in serious injury or death. All installation and wiring should be performed by qualified personnel.

- Ensure the input voltage matches the specified rating (AC 220V for this model).
- Do not expose the power supply to moisture or extreme temperatures.
- Always disconnect power before making any connections or adjustments.
- Ensure proper ventilation around the unit to prevent overheating.
- Do not attempt to open or repair the unit yourself. Refer all servicing to qualified personnel.
- Keep out of reach of children.

3. PRODUCT OVERVIEW

The EQIMMFLJ R50 60W Full Copper R Type Power Supply is a high-quality transformer designed for power amplifier applications, converting 220V AC input to various AC output voltages. Its R-type design ensures efficient and stable power delivery.



Figure 1: Top view of the R50 60W R Type Power Supply, showing the brown paper wrapping and the specification label. The label indicates "R-50 60W", "PRI: 220V/50Hz", and secondary outputs like "0V-18V-22V".

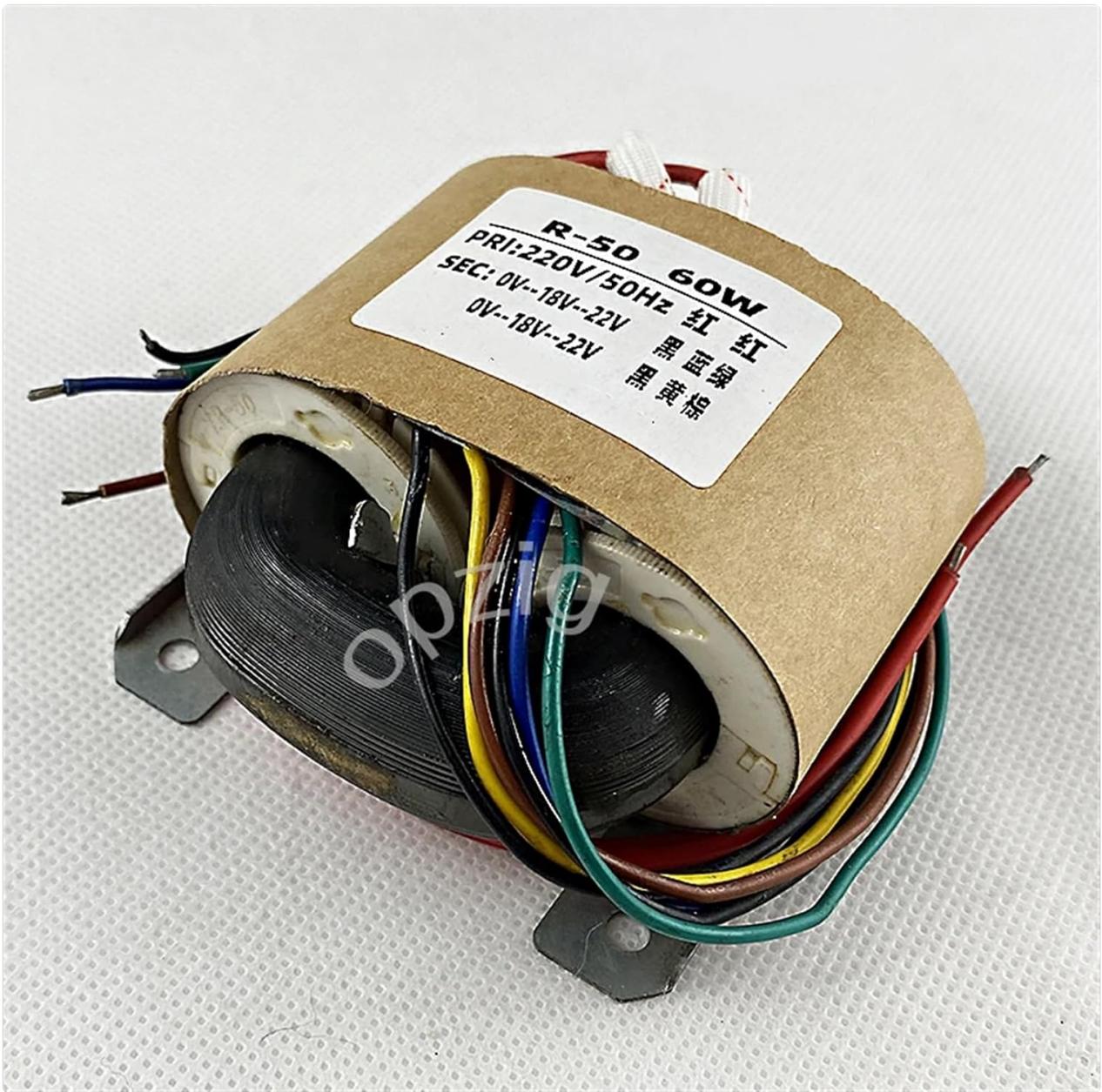


Figure 2: Angled view of the R50 60W R Type Power Supply, highlighting the compact R-core design and the various colored wires for input and output connections.

Key features include:

- Full copper windings for superior performance and durability.
- R-type core design for low noise and high efficiency.
- Multiple output voltage options (12V, 15V, 18V, 22V, 24V, 28V AC).
- Isolation structure for enhanced safety.

4. SPECIFICATIONS

Parameter	Value
Model	R50 60W
Rated Power	60W (Power range: 55W-65W)
Rated Frequency	50Hz / 60Hz

Parameter	Value
Input Voltage	AC 220V
Output Voltage (AC)	12V, 15V, 18V, 22V, 24V, 28V (selectable via wiring)
Rated Current	1.36A (customizable)
Product Size (L*W*H)	98mm * 84mm * 50mm (approx.)
Base Size	90mm * 80mm (approx.)
Electrical Strength (PRI-SEC)	DC 3500V
Insulation Impedance (PRI-SEC)	2500MΩ
Structure	Isolation Transformer
Lead Length	25cm
Item Weight	50 Grams (1.76 ounces)

5. SETUP AND INSTALLATION

Before proceeding, ensure all power is disconnected from the circuit. Installation should only be performed by a qualified electrician or technician.

1. **Mounting:** Secure the power supply to a stable, non-conductive surface using the mounting holes on its base. Ensure adequate space for ventilation.

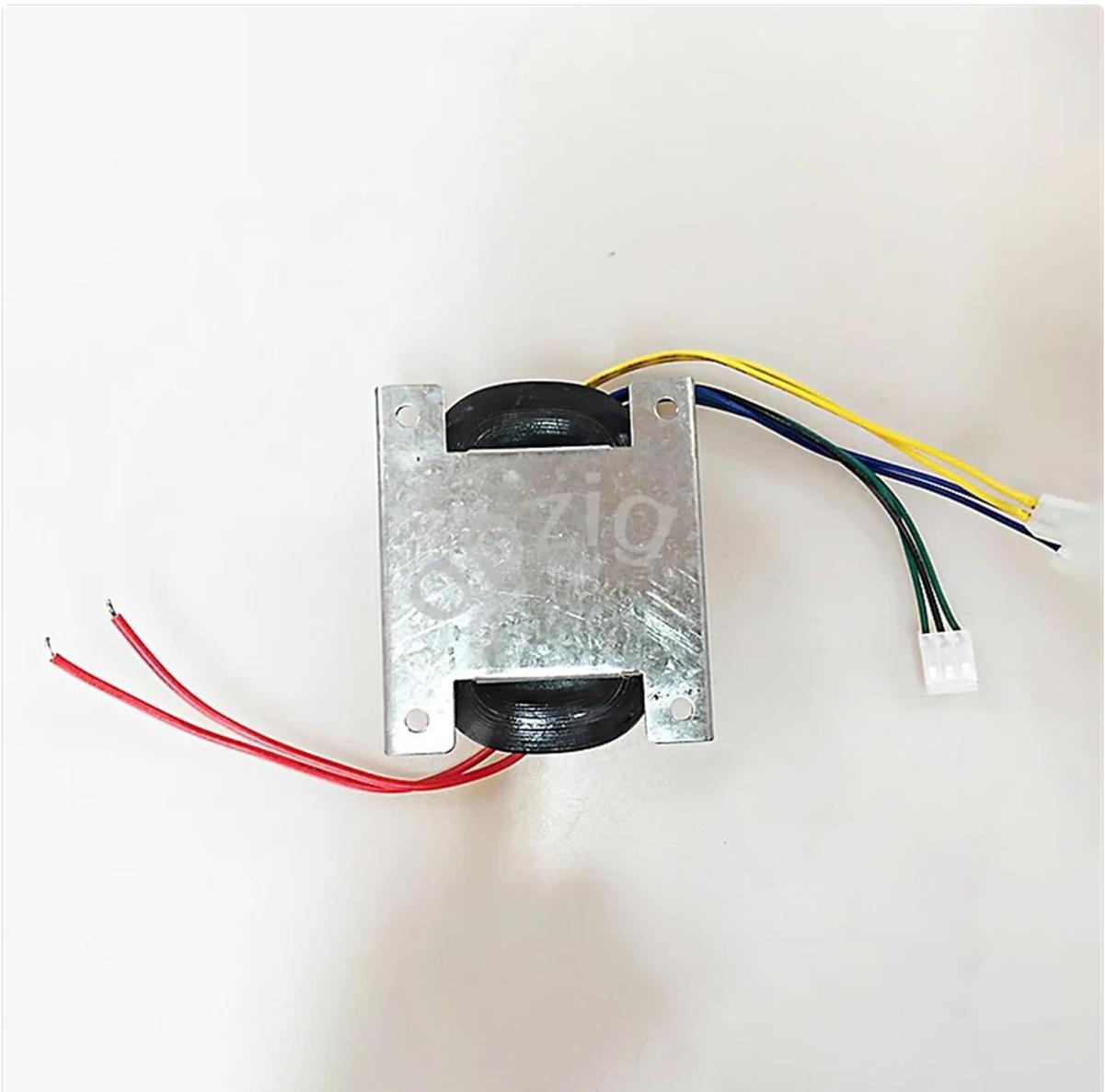


Figure 3: Bottom view of the R50 60W R Type Power Supply, illustrating the metal base with pre-drilled mounting holes for secure installation.

2. **Input Wiring (Primary):** Connect the AC 220V input power to the primary winding leads. Refer to the product label for specific primary connections (typically marked PRI). Ensure correct polarity and secure connections.
3. **Output Wiring (Secondary):** Connect the desired output voltage leads to your power amplifier or other compatible device. The power supply offers multiple secondary windings to achieve different AC output voltages (e.g., 0V-18V-22V). Carefully identify the correct leads for your required voltage.

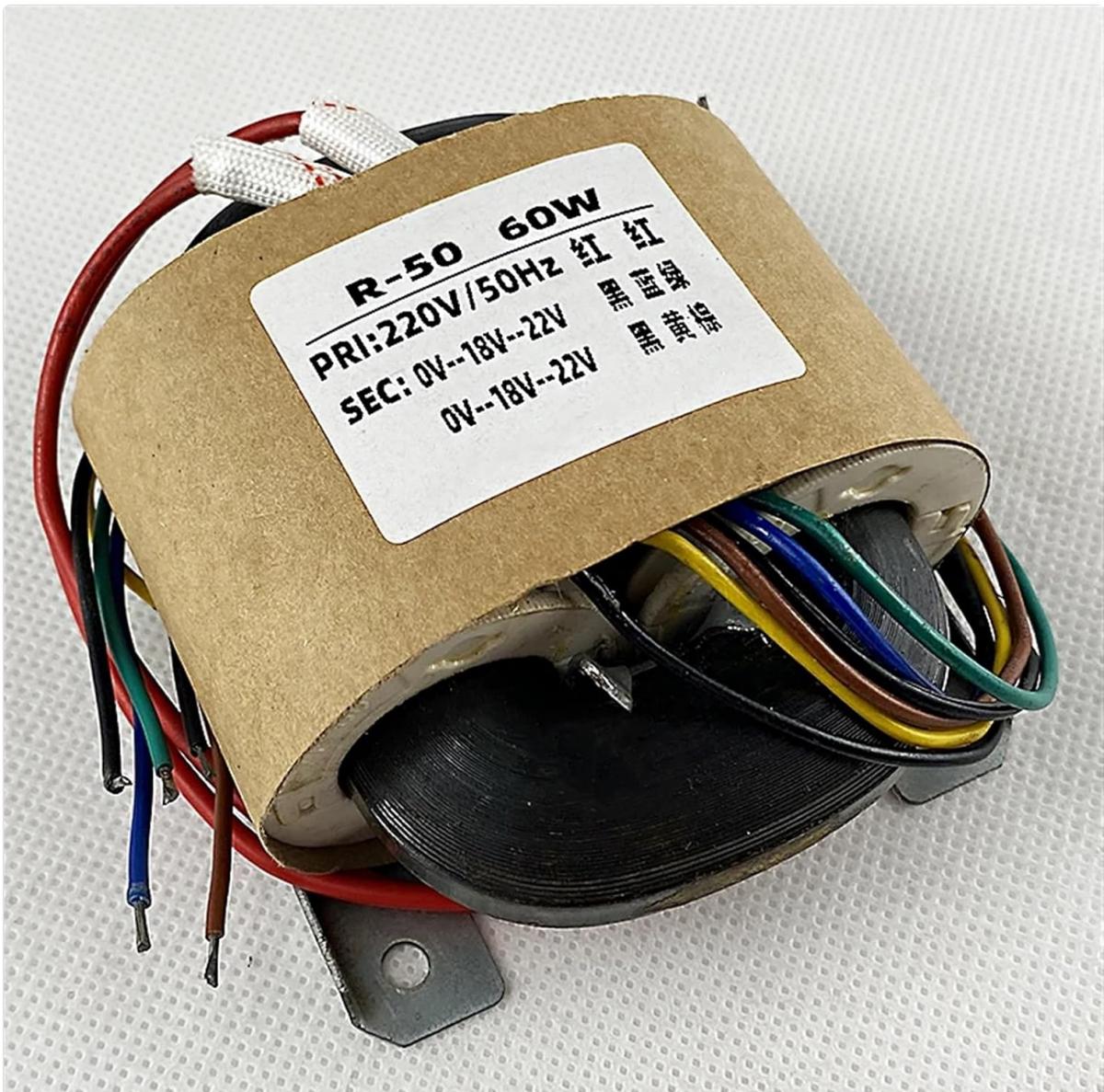


Figure 4: Close-up of the R50 60W R Type Power Supply's wiring, showing the various colored leads extending from the transformer, ready for connection.

4. **Verification:** Double-check all connections for tightness and correctness before applying power.

6. OPERATING INSTRUCTIONS

Once the power supply is correctly installed and wired:

1. **Apply Power:** Connect the main power source to the input of the R50 60W power supply.
2. **Monitor:** Observe the connected device for proper operation. The power supply should provide stable AC output voltage as configured.
3. **Normal Operation:** The power supply is designed for continuous operation within its specified power range (55W-65W).

Note: The power supply may generate some heat during operation. This is normal, provided it remains within safe operating temperatures and has adequate ventilation.

7. MAINTENANCE

The EQIMMFLJ R50 60W Power Supply requires minimal maintenance:

- **Cleaning:** Periodically clean the exterior of the unit with a dry, soft cloth to remove dust. Ensure power is disconnected before cleaning. Do not use liquid cleaners.
- **Inspection:** Regularly inspect the wiring for any signs of damage, fraying, or loose connections. Address any issues immediately.
- **Ventilation:** Ensure that ventilation openings are not obstructed to prevent overheating.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No output voltage	No input power; incorrect wiring; internal fault.	Check main power supply. Verify input and output wiring. If problem persists, discontinue use and contact support.
Output voltage is incorrect	Incorrect secondary winding connections; overloaded.	Review wiring diagram and ensure correct output leads are used. Check if the connected load exceeds 60W.
Unit is overheating	Insufficient ventilation; overloaded.	Ensure adequate airflow around the unit. Reduce the load if it exceeds 60W.
Unusual noise or smell	Internal component failure.	Immediately disconnect power. Do not attempt to operate. Contact support.

9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact the manufacturer, EQIMMFLJ, or your point of purchase. Please have your product model (R50 60W) and purchase details available when contacting support.

Manufacturer: EQIMMFLJ