

Huijue AC to DC power supply connection method



Overview

How to connect the power cord to a Huijue AC to DC converter This method uses a step-down transformer to reduce 220V AC to 12V AC, followed by a bridge rect.

Key Takeaways

To wire a Huijue AC to DC power supply, connect the AC input to the live, neutral, and ground terminals, then connect the DC output to your device observing correct polarity.

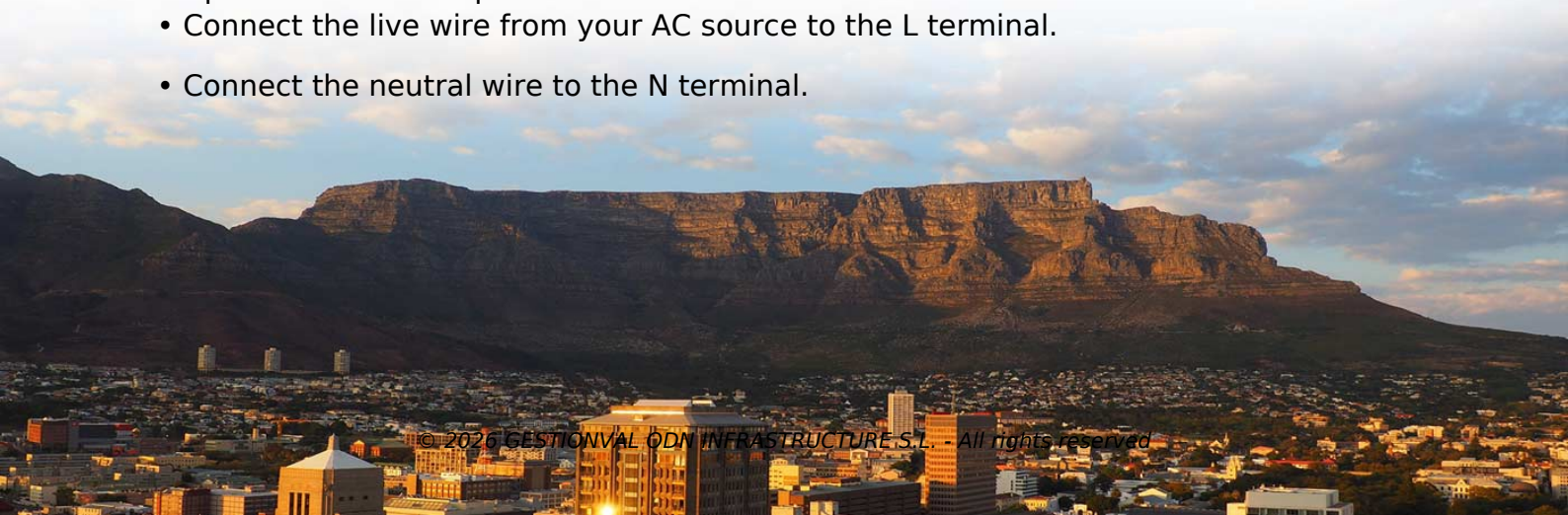
Step 1: Safety First
Before starting, ensure the power is turned off and unplugged. Use insulated tools and wear protective equipment to prevent electric shock. Verify that the AC voltage matches the input rating of your Huijue power supply ().

Step 2: Identify Terminals

- AC Input: Typically labeled as L (Live), N (Neutral), and GND (Ground).
- DC Output: Usually labeled +V (positive) and -V (negative). Some models may include a ground terminal for DC output ().

Step 3: Connect AC Input

- Connect the live wire from your AC source to the L terminal.
- Connect the neutral wire to the N terminal.



- Connect the ground wire to the GND terminal. Ensure all connections are secure and insulated to prevent short circuits ().

Step 4: Connect DC Output

- Identify the positive (+) and negative (-) terminals on the power supply.
- Connect the positive wire of your device to the +V terminal.
- Connect the negative wire to the -V terminal.
- Double-check the polarity; reversing it can damage your device ().

Step 5: Verify Voltage

Use a multimeter to measure the DC output voltage before connecting your device. This ensures the power supply is delivering the correct voltage and prevents damage ().

Step 6: Power On

Once all connections are verified, turn on the AC power. Observe the power supply for any unusual sounds, smells, or overheating. If everything is normal, your device should now receive stable DC power ().

Additional Tips

- If your Huijue power supply includes a voltage regulator, adjust it to match your device's voltage requirements.
- Keep wires organized and avoid loose connections.
- Refer to the manufacturer's datasheet for specific wiring diagrams if available. By following these steps, you can safely wire your Huijue AC to DC power supply and ensure reliable operation for your electronic devices.

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