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SANSUN 2P-125A-US

SANSUN 12V 5A Power Supply Instruction Manual

Model: 2P-125A-US

1. IMPORTANT SAFETY INSTRUCTIONS

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Indoor Use Only:** This power supply is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure the power supply has adequate ventilation. Do not cover it or place it in an enclosed space that could restrict airflow.
- **Voltage and Amperage Matching:** Always verify that the voltage and amperage requirements of your device match the output specifications of this power supply (DC 12V, 5A). Exceeding the rated current may damage the power supply or your device.
- **Avoid Overloading:** Do not connect devices that collectively draw more than 5 Amperes (60 Watts) from this power supply.
- **Secure Connections:** Ensure all connections are firm and secure to prevent intermittent power or short circuits.
- **Unplug When Not in Use:** Disconnect the power supply from the wall outlet when not in use for extended periods.
- **Do Not Disassemble:** Do not attempt to open, modify, or repair the power supply. Refer all servicing to qualified personnel.

2. PRODUCT OVERVIEW

The SANSUN 12V 5A Power Supply is a reliable AC to DC adapter designed to provide stable 12V power for various electronic devices. It converts standard AC 100-240V household current to a stable DC 12V output, suitable for devices requiring up to 5 Amperes.

Key Features:

- **Input:** AC 100-240V, 50/60Hz (US plug)
- **Output:** DC 12V, 5A (60W max)
- **DC Jack:** Standard 5.5 x 2.1mm barrel connector with center positive (+) polarity.
- **Extended Cord Length:** Approximately 9.4 feet (2.86 meters) total cord length for flexible

placement.

- **Safety Protections:** Built-in safeguards against over-voltage, over-current, short circuits, and over-temperature.
- **Included Accessory:** One female terminal connector for easy wiring without soldering.

Free LED Terminal Connector

Power LED Strips or DIY Use



Image: SANSUN 12V 5A Power Supply with the included female terminal connector, ready for use with LED strips or DIY projects.

DC Output Size

(size 5.5*2.1mm, DC exposed 10mm.)

! DC Tip Polarity: Inner Positive(+), Outer Negative(-)

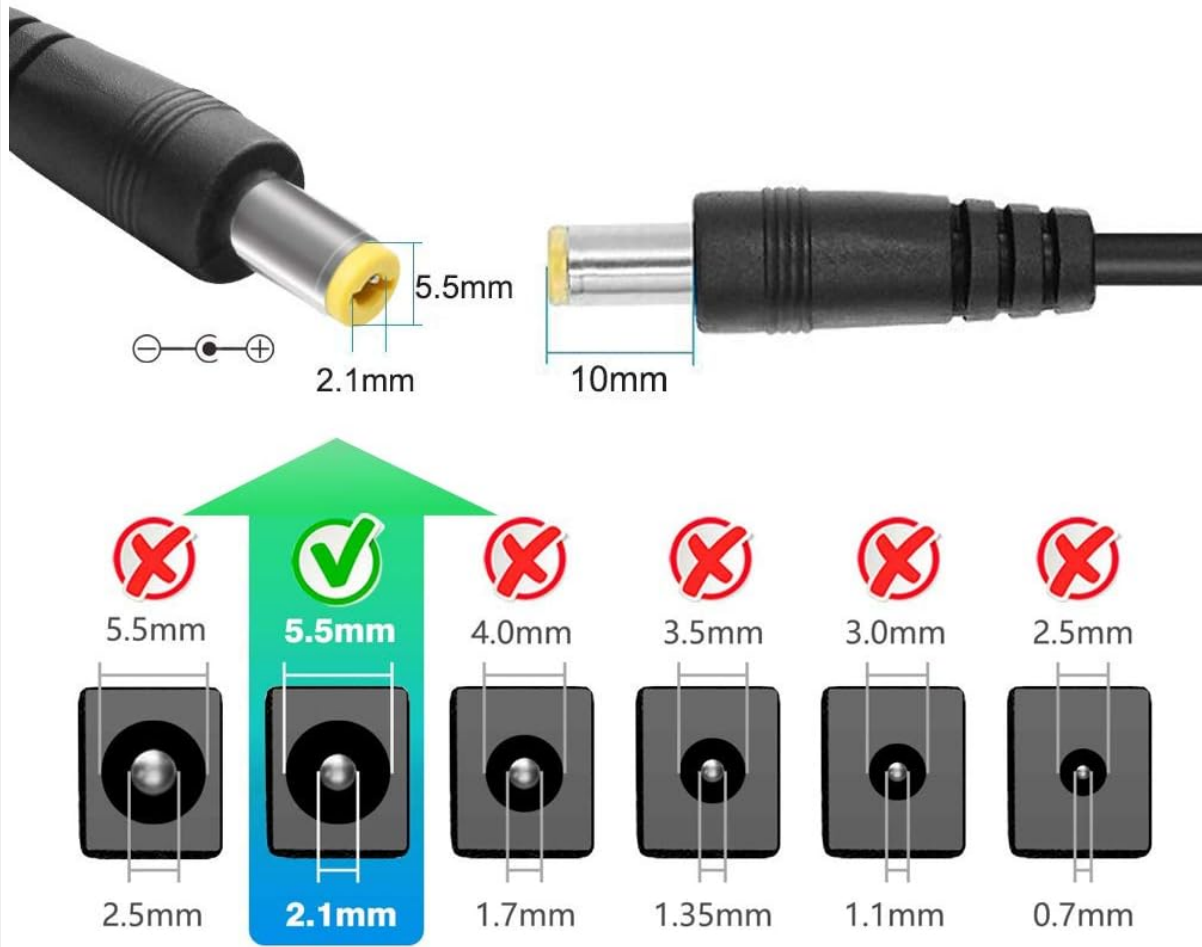


Image: Diagram illustrating the 5.5mm outer diameter and 2.1mm inner diameter of the DC output jack, along with its center positive (+) polarity.

Extra Long Power Cord 9FT Total Cord Length

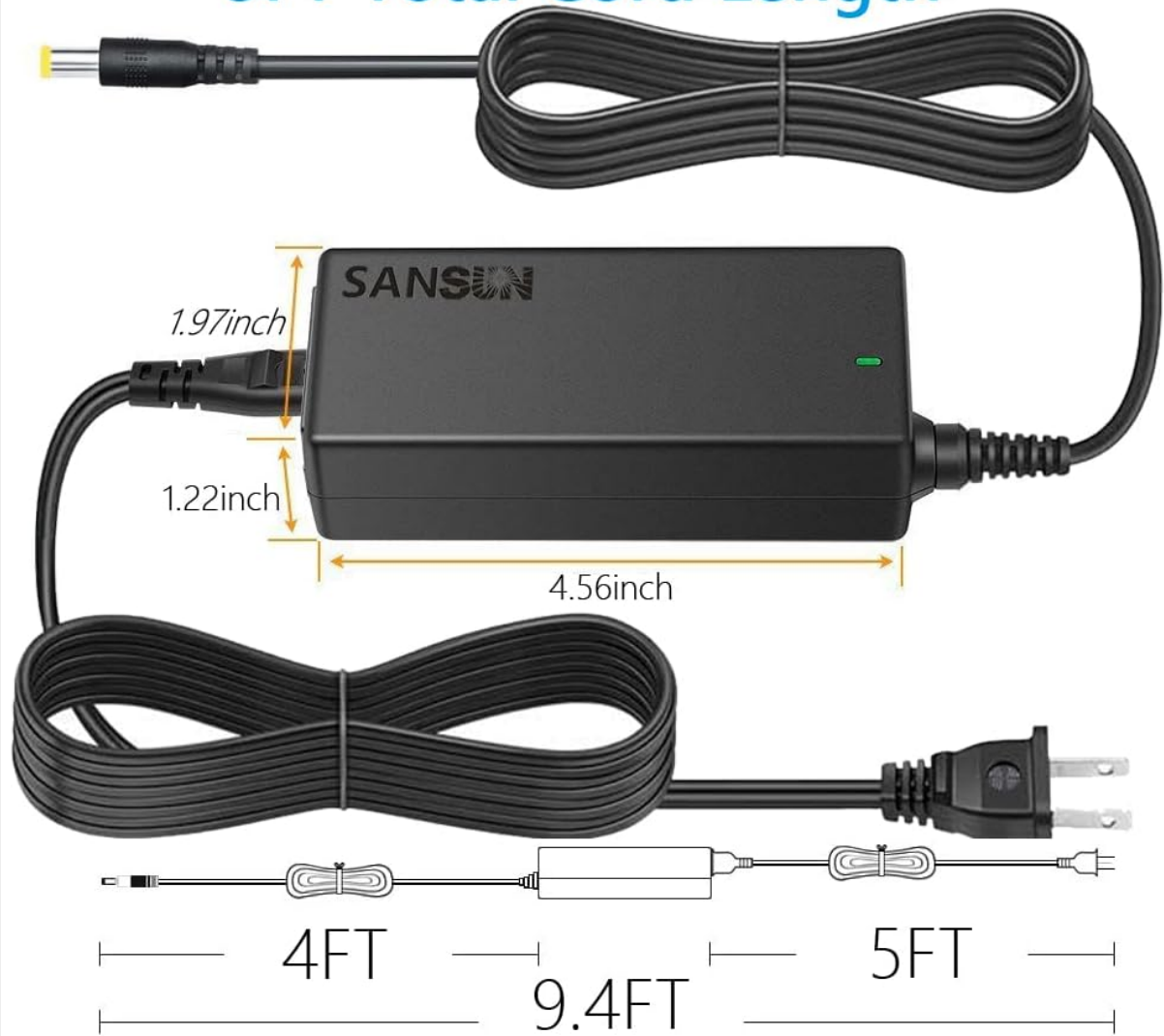


Image: Diagram showing the total 9.4 feet (approximately 2.86 meters) cord length, providing ample reach for various applications.



Image: Overview of SANSUN power supply features, highlighting premium quality components, multipurpose design, stable output, and comprehensive safety protections.

3. SETUP AND CONNECTION

Follow these steps to properly set up and connect your SANSUN 12V 5A Power Supply:

1. **Verify Device Compatibility:** Confirm that your electronic device requires a DC 12V input and draws no more than 5 Amperes (60 Watts). Check your device's specifications or original power adapter.
2. **Connect DC Plug:** Insert the DC output plug (5.5 x 2.1mm) from the power supply into the corresponding power input jack on your device. Ensure a snug fit.
3. **Connect AC Plug:** Plug the AC input plug of the power supply into a standard AC 100-240V wall outlet.
4. **Power On:** Once connected, the power supply's indicator light should illuminate (if present), and your device should power on.

The included female terminal connector can be used for devices that require direct wire connections. Simply connect your device's positive and negative wires to the corresponding terminals on the connector, then plug the connector into the power supply's DC output jack.



Image: The SANSUN 12V 5A Power Supply connected to various compatible devices such as LED strip lights, CCTV cameras, speakers, monitors, and LED table lamps.



Image: The SANSUN 12V 5A Power Supply providing power to a set of LED strip lights, demonstrating a common application.

Your browser does not support the video tag.

Video: An official product video demonstrating the SANSUN 12V 5A Power Supply, its features, and various applications for 12V devices.

4. OPERATING INSTRUCTIONS

Once the power supply is correctly connected to your device and a power outlet, it will automatically begin supplying power. The small LED indicator on the power supply unit will typically light up green, indicating that it is receiving AC power and providing DC output.

No further user interaction is generally required for basic operation. Ensure the power supply is placed in a location with good airflow to prevent overheating during prolonged use.

5. MAINTENANCE AND CARE

To ensure the longevity and optimal performance of your SANSUN 12V 5A Power Supply, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the power supply. Do not use liquid cleaners

or aerosols.

- **Storage:** When not in use, store the power supply in a cool, dry place, away from direct sunlight and extreme temperatures.
- **Cable Management:** Avoid sharp bends or kinks in the power cord. Do not place heavy objects on the cord.
- **Inspection:** Periodically inspect the power supply and cables for any signs of damage, such as frayed wires or cracked casing. If damage is found, discontinue use immediately.



Image: An internal view of the power supply, showcasing its robust components designed for stable and reliable performance.



Image: Illustration depicting the durability of the DC jack, designed to withstand repeated connections and disconnections.

6. TROUBLESHOOTING

If you encounter issues with your SANSUN 12V 5A Power Supply, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Device not powering on.	<ul style="list-style-type: none"> Loose connection. No power from wall outlet. Device requires more than 12V 5A. Faulty power supply or device. 	<ul style="list-style-type: none"> Check all cable connections are secure. Test the wall outlet with another appliance. Verify your device's power requirements. Try the power supply with another compatible device, or try another power supply with your device.
Power supply feels excessively hot.	<ul style="list-style-type: none"> Insufficient ventilation. Overloaded (device draws too much current). Internal fault. 	<ul style="list-style-type: none"> Ensure the power supply is in an open area with good airflow. Disconnect the device and check its current draw. Ensure it is within the 5A limit. If overheating persists without overload, discontinue use and contact support.
Intermittent power to device.	<ul style="list-style-type: none"> Loose DC jack connection. Damaged cable. 	<ul style="list-style-type: none"> Ensure the DC jack is fully inserted and secure. Inspect the power cord for any visible damage.

7. SPECIFICATIONS

Feature	Specification
Manufacturer	SANSUN
Model Number	2P-125A-US
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	5A
Output Wattage	60W
DC Jack Size	5.5 x 2.1mm
DC Jack Polarity	Center Positive (+)
Total Cord Length	Approx. 9.4 feet (2.86 meters)
Product Dimensions	4.56 x 1.97 x 1.22 inches (11.58 x 5.00 x 3.10 cm)
Item Weight	10.4 ounces (295 grams)
Special Features	Short Circuit Protection, Over Voltage Protection, Over Current Protection, Over Temperature Protection

Feature	Specification
Included Components	Power Adapter, Female Terminal Connector

8. WARRANTY AND SUPPORT

For warranty information or technical support, please contact SANSUN customer service through the retailer where the product was purchased or refer to the contact information provided on the product packaging. Please have your model number (2P-125A-US) and purchase date available when contacting support.