

## Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [SKY TOPPOWER](#) /

› [User Manual for SKY TOPPOWER STP1330 13.8V 30A Power Supply](#)

## SKY TOPPOWER STP1330

# SKY TOPPOWER STP1330 Power Supply User Manual

Model: STP1330

13.8V 30A AC to DC Converter for Ham Radio and 12V Devices

## INTRODUCTION

Thank you for choosing the SKY TOPPOWER STP1330 Power Supply. This unit is designed to convert 110V AC household current to a stable 13.8V DC, providing reliable power for your ham radios, CB scanners, and other 12V mobile devices. It features a maximum current output of 30A (20A continuous), adjustable noise control, and multiple protection functions to ensure safe and efficient operation.

Please read this manual thoroughly before operating the device to ensure proper usage and to maximize its lifespan.

## SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to the unit:

- Ensure the power supply is connected to a grounded AC outlet with the correct voltage (110V AC).
- Do not expose the unit to moisture or extreme temperatures.
- Do not open the casing; there are no user-serviceable parts inside except for the fuse.
- Ensure proper ventilation around the unit to prevent overheating.
- Disconnect power before making any connections or disconnections.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x SKY TOPPOWER STP1330 Power Supply Unit
- 1 x US Power Cord
- 1 x Operation Manual (this document)

## SETUP

Follow these steps to set up your power supply:

1. **Unpacking:** Carefully remove the power supply from its packaging. Inspect the unit for any signs of damage.

2. **Placement:** Place the power supply on a stable, flat surface with adequate ventilation. Ensure that the cooling fan at the rear is not obstructed.
3. **AC Power Connection:** Connect the provided US power cord to the AC input socket on the rear of the power supply. Plug the other end into a standard 110V AC wall outlet.
4. **DC Device Connection:**

**Screw-Type Connection Terminals:** For devices requiring direct wire connections, use the red (+) and black (-) screw terminals on the rear of the unit. Ensure wires are securely fastened.

**Cigarette Lighter Socket:** For devices with a cigarette lighter plug (e.g., car accessories, mobile phone chargers), insert the plug into the front-facing cigarette lighter socket. This socket supports up to 10A.



Figure 1: Front and Rear Panel Components. This image shows the power switch, meter, meter switch, noise offset volume control, cigarette plug terminal, output positive and negative terminals, cooling fan, and fuse.



Figure 2: Rear Panel Connections. This image highlights the AC input, DC output terminals, and the cooling fan.

## OPERATING INSTRUCTIONS

Once the unit is set up, follow these instructions for operation:

1. **Power On/Off:** Locate the 'POWER' switch on the front panel. Flip it to the 'ON' position to power on the unit. The green indicator light will illuminate. Flip to 'OFF' to power down.
2. **Meter Display:** The front panel features an analog meter. Use the 'METER' switch to toggle between displaying output voltage (V) and output current (A).
3. **Noise Offset Control:** If you experience pulse noise from the power supply when powering radio equipment, adjust the 'NOISE OFFSET' knob. This control helps eliminate such interference, providing a cleaner signal for communication systems.
4. **Using the Cigarette Lighter Socket:** The front-facing cigarette lighter socket provides a convenient way to power portable devices or charge electronic devices like phones and earphones. Ensure the connected device does not exceed 10A.

Your browser does not support the video tag.

Video 1: Demonstrates powering a ham radio and charging a mobile phone using the SKY TOPPOWER STP1330 power supply, highlighting the car cigarette lighter socket.

# Powering Radio Equipment & Mobile Phones



Figure 3: Powering Radio Equipment & Mobile Phones. This image shows the power supply connected to a ham radio and a smartphone being charged via the cigarette lighter socket.

## Noise Offset Design (Noise Reduction)



## Cigarette Lighter Socket (Output Current: MAX 10A)

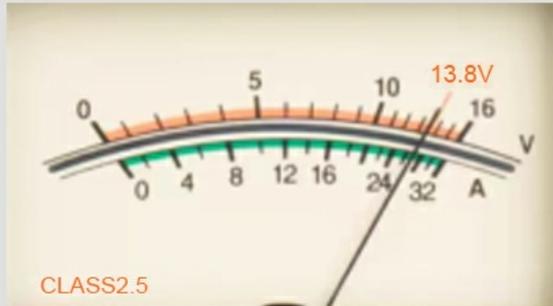
Figure 4: Noise Offset Design and Cigarette Lighter Socket. This image provides a detailed view of the noise reduction knob and the 10A max output cigarette lighter socket.

## MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power supply:

- **Cooling Fan:** The built-in cooling fan operates automatically when the internal temperature reaches 55°C to prevent overheating. Ensure the fan vents are clear of dust and obstructions.
- **Fuse Replacement:** The unit includes a user-replaceable 8A fuse for protection. If the unit fails to power on, check and replace the fuse if necessary. Always replace with a fuse of the same rating.
- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. Do not use liquid cleaners or solvents.

## Accurate Pointer Display



## Intelligent Cooling Fan



Figure 5: Accurate Pointer Display and Intelligent Cooling Fan. This image highlights the analog meter for voltage/current readings and the rear cooling fan.

## TROUBLESHOOTING

This section addresses common issues you might encounter:

- **Unit Does Not Power On:**
  - Check if the power cord is securely plugged into both the unit and the wall outlet.
  - Verify that the wall outlet has power.
  - Inspect the 8A fuse on the rear panel. If blown, replace it with a new fuse of the same rating.
- **No Output Voltage/Current:**
  - Ensure the power switch is in the 'ON' position.
  - Check all DC connections for proper polarity and secure contact.
  - The unit has built-in short-circuit and over-current protection. If a short circuit occurs, the unit will be protected. Turn off the unit, repair the cause of the short circuit, and then turn it back on.
- **Noise in Radio Equipment:**
  - Adjust the 'NOISE OFFSET' knob on the front panel. This control is specifically designed to eliminate pulse noise from the power supply that may affect communication systems.
- **Unit Feels Hot:**
  - The cooling fan will automatically activate when the internal temperature reaches 55°C. Ensure the fan vents are not blocked and there is sufficient airflow around the unit. Continuous high load operation can cause the unit to warm up, which is normal as long as the fan is operating.

## SPECIFICATIONS

Feature	Specification
Model Number	STP1330

Feature	Specification
Input Voltage	100-120V AC, 60Hz
Output Voltage	13.8V DC (Fixed)
Max Output Current	30A (20A Continuous)
Cigarette Lighter Socket Output	Max 10A
Protection Features	Short-circuit protection, Over-current protection
Fuse Rating	8A
Cooling	Built-in automatic cooling fan (activates at 55°C)
Dimensions (L x W x H)	8.66 x 5.91 x 2.76 inches
Weight	2.2 Pounds (approx. 1.0 kg)
Manufacturer	SKY TOPPOWER
Country of Origin	China

## WARRANTY AND SUPPORT

---

For warranty information or technical support, please contact SKY TOPPOWER directly through their official channels or the retailer from whom you purchased the product. Keep your purchase receipt as proof of purchase.