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### SHNITPWR SNT-0336-144

# SHNITPWR Universal Adjustable AC/DC Power Supply (3.5V-36V, 144W) Instruction Manual

## INTRODUCTION

This manual provides essential information for the safe and efficient operation of your SHNITPWR Universal Adjustable AC/DC Power Supply, Model SNT-0336-144. This device converts AC input voltage (100V-240V) to an adjustable DC output voltage ranging from 3.5V to 36V, with a maximum current of 4A and a total power output of 144W. It is designed for a wide range of small household electronics, offering versatility with its adjustable output and multiple connector tips.



Image: The SHNITPWR Universal Adjustable AC/DC Power Supply, showcasing its compact design and digital display.



Image: An illustration demonstrating various electronic devices that can be powered by the SHNITPWR adapter, such as wireless routers, CCTV cameras, and Bluetooth speakers.

## IMPORTANT SAFETY INFORMATION

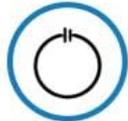
Please read all safety warnings and instructions carefully before using this product. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Indoor Use Only:** This power supply is intended for indoor use only. Do not expose it to rain, moisture, or extreme temperatures.
- **Ventilation:** Ensure adequate ventilation around the power supply. Do not cover it or operate it in enclosed spaces.
- **Load Capacity:** To ensure optimal performance and longevity, it is recommended to use the power supply at no more than 80% of its full load capacity. Exceeding this limit can cause overheating and shorten the product's lifespan.
- **Protection Systems:** The unit features built-in safety protections including automatic over-voltage cut-off, over-current cut-off, over-temperature cut-off, and short-circuit cut-off.

- **Fire Retardant Exterior:** The exterior casing is designed with fire-retardant materials to minimize fire hazards.
- **Polarity:** Always verify the correct polarity required by your device before connecting. Use the included polarity converter cable if necessary.
- **Not a Charger:** This product is an AC to DC adapter, not a battery charger. Do not use it to charge electronic devices with batteries, such as laptops, unless specifically designed for such use, as it may damage your device.

## BUILT SAFETY PROTECTIONS

Designed with Safety in mind



Short circuit protection



Electromagnetic wave protection



Overcurrent protection



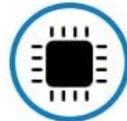
Over temperature protection



Over voltage protection



24 months warranty



Quality microchip



CE, FCC, RoHS certified



Image: Icons representing the built-in safety protections of the power supply, including short circuit, electromagnetic wave, overcurrent, over-temperature, over-voltage, and quality microchip certifications.

# 1382 °F FIRE RETARDANT EXTERIOR

Don't burn | No fire hazard | Safe to use



Image: A visual representation highlighting the fire-retardant exterior of the power supply, emphasizing safety features.

## PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x SHNITPWR Universal Adjustable AC/DC Power Supply (Model SNT-0336-144)
- 1 x AC Input Cable
- 1 x DC Output Cable with 5.5x2.5mm tip
- 14 x Frequently Used DC Tips (various sizes including 6.5x4.4mm+Pin, 5.5x2.1mm, 5.5x3.0mm+Pin, 5.0x2.5mm, 6.3x3.0mm, 5.5x1.7mm, 4.8x1.7mm, 4.0x1.7mm, 3.5x1.35mm, 3.0x1.1mm, 2.5x0.7mm, Micro-USB, Type-C, and DC terminal connector)
- 1 x Polarity Converter Cable

## 14x DC Tips and Polarity Converter

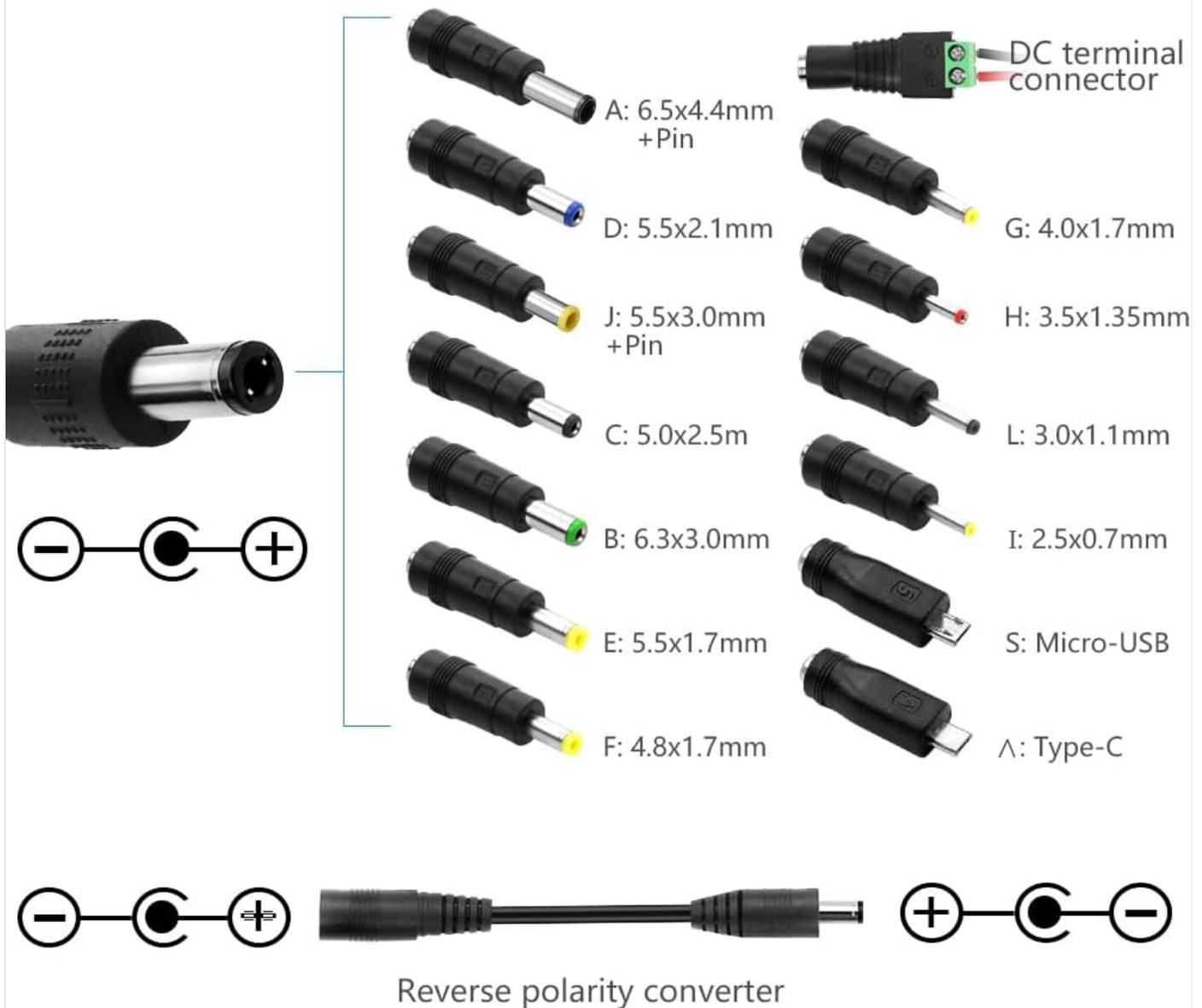


Image: The comprehensive set of 14 interchangeable DC tips, including various barrel sizes, Micro-USB, Type-C, and a DC terminal connector, along with the essential polarity converter cable.

### PRODUCT FEATURES

- **Wide Adjustable Voltage Range:** Output DC 3.5V to 36V, allowing compatibility with a broad spectrum of devices.
- **High Power Output:** Provides a maximum of 4A current and 144W total power.
- **Universal Input:** Accepts AC 100V~240V, 50/60Hz, suitable for international use.
- **Versatile Connectivity:** Includes 14 interchangeable DC tips and a polarity converter cable for broad compatibility with various electronic devices.
- **Digital Display:** An integrated LED display shows the current output voltage for precise adjustment.
- **Enhanced Safety:** Certified by FCC, CE, and ROHS. Features multiple protection systems including over-voltage, over-current, over-temperature, and short-circuit protection.
- **Durable Design:** Equipped with a pure copper power cord for optimal power transmission and a fire-retardant exterior for added safety.

# 144W Adjustable Power Adapter



Image: This image displays the SHNITPWR adjustable power adapter with its digital voltage display and adjustment knob, illustrating the wide output voltage range from 3.5V to 36V.

# Compact and light design



Image: A diagram illustrating the compact dimensions of the SHNITPWR power supply unit and the lengths of its input and output cables, including the 5.5x2.5mm and 5.5x2.1mm connectors.

## SETUP INSTRUCTIONS

Follow these steps to set up your SHNITPWR Universal Adjustable AC/DC Power Supply:

- 1. Connect AC Input:** Plug the AC input cable into the power supply unit and then into a standard wall outlet (100V-240V AC).
- 2. Select DC Tip:** Identify the correct DC tip required by your electronic device. The power supply comes with a default 5.5x2.5mm tip. If a different tip is needed, select one from the 14 included tips and connect it securely to the DC output cable.
- 3. Check Polarity:** Verify the required polarity of your device. The power supply's default output is center positive. If your device requires center negative, use the included polarity converter cable by attaching it between the DC output cable and the selected tip.
- 4. Connect to Device:** Carefully plug the selected DC tip into your electronic device's power input port.

## OPERATING INSTRUCTIONS

To operate your SHNITPWR Universal Adjustable AC/DC Power Supply:

1. **Power On:** Once the AC input is connected, the LED display on the power supply will illuminate, showing the current output voltage.
2. **Adjust Voltage:** Rotate the "VOLTAGE" knob clockwise to increase the output voltage and counter-clockwise to decrease it. Adjust the voltage slowly and carefully to match the exact voltage requirement of your device. The display will show the real-time voltage. The knob is designed for even adjustment, allowing fine-tuning, for example, reaching 16V to 18V by rotating approximately 50%.
3. **Monitor Load:** While the display shows voltage, be mindful of the current draw of your device. It is recommended to operate the power supply at no more than 80% of its maximum 4A capacity (i.e., up to 3.2A) to prevent overheating and extend its service life.
4. **Power Off:** To turn off the power supply, disconnect it from the wall outlet. The LED display may remain lit for approximately 10-15 seconds as internal capacitors discharge.

## Professional Advice

The max use should be  $\leq 80\%$  of the full loads. Otherwise, it will get super hot and its service life will be greatly shortened.



Image: A graphic illustrating the recommendation to use the power supply at a maximum of 80% of its full load to prevent overheating and prolong its service life.

## MAINTENANCE

To ensure the longevity and proper functioning of your power supply:

- Keep the unit clean and free from dust. Use a soft, dry cloth for cleaning.
- Avoid exposing the power supply to liquids or high humidity.
- Store the unit in a cool, dry place when not in use.
- Do not attempt to open or repair the power supply yourself. Refer all servicing to qualified personnel.
- Regularly inspect cables and connectors for any signs of damage.

## TROUBLESHOOTING

If you encounter issues with your power supply, refer to the following troubleshooting guide:

### No Power Output / Display Off

- Ensure the AC input cable is securely plugged into both the power supply and the wall outlet.
- Check if the wall outlet is functional by plugging in another device.

### Incorrect Voltage Reading or Fluctuation

- Ensure the voltage knob is properly adjusted and stable.
- If the voltage fluctuates significantly under load, ensure the connected device's current draw does not exceed 80% of the power supply's maximum capacity (3.2A).
- Test the output with a separate voltmeter to confirm accuracy.

### Device Not Powering On

- Confirm that the correct DC tip is selected and securely connected to your device.
- Verify that the polarity (center positive/negative) matches your device's requirements. Use the polarity converter cable if needed.
- Ensure the output voltage is set correctly for your device.
- Check if your device's current draw exceeds the power supply's 4A maximum.

## SPECIFICATIONS

Feature	Detail
Model Number	SNT-0336-144
Input Voltage	AC 100V~240V, 50/60Hz
Output Voltage	DC 3.5V~36V (Adjustable)
Max Output Current	4 Amps

Feature	Detail
Max Output Power	144 Watts
Connector Type	Barrel 5.5mm x 2.5mm (default), plus 14 interchangeable tips
Special Features	Reverse Polarity Converter, Safety Certifications (FCC, CE, ROHS), Short Circuit Protection, Over-voltage, Over-current, Over-temperature Protection
Item Weight	1.1 pounds
Color	Black

## WARRANTY AND SUPPORT

This SHNITPWR product is designed for reliability and performance. For specific warranty details, please refer to the documentation included with your purchase or contact SHNITPWR customer support directly.

If you encounter any issues or have questions regarding the operation or maintenance of your power supply, please contact the manufacturer's customer service. Contact information can typically be found on the product packaging or the official SHNITPWR website.

**Return Policy:** Products purchased from Amazon.com typically have a 30-day return policy. Please check your purchase details for specific return eligibility.