

SHNITPWR SNT-0936-144W

SHNITPWR 144W Universal Adjustable DC Power Supply (9V-36V, 4A)

Model: SNT-0936-144W

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your SHNITPWR 144W Universal Adjustable DC Power Supply. This device is designed to convert AC input (100-240V) to a variable DC output (9-36V) with a maximum current of 4A and a maximum power of 144W. It is suitable for powering a wide range of small electronic devices.

2. SAFETY INFORMATION

Important Safety Warnings:

- This product is an AC to DC adapter, not a battery charger. It cannot be used to charge electronic devices with built-in batteries, such as laptops.
- Always select the correct output voltage before connecting the power supply to your device. Incorrect voltage settings can cause severe damage to your electronic equipment.
- For optimal performance and longevity, it is recommended to operate the power supply at less than 80% of its full load capacity. Exceeding this limit may cause overheating and shorten the product's lifespan.
- This device is intended for indoor use only. Do not expose it to water, moisture, or high humidity.
- Do not disassemble or modify the power supply. Refer all servicing to qualified personnel.

The SHNITPWR power supply incorporates multiple safety protection systems:

- **Over Voltage Protection:** Automatically cuts off power if output voltage exceeds safe limits.
- **Over Current Protection:** Prevents damage from excessive current draw.
- **Over Temperature Protection:** Shuts down if internal temperature becomes too high.
- **Short Circuit Protection:** Safeguards against short circuits in the connected device.
- **Electromagnetic Wave Protection:** Minimizes electromagnetic interference.

14x DC Tips and Polarity Converter

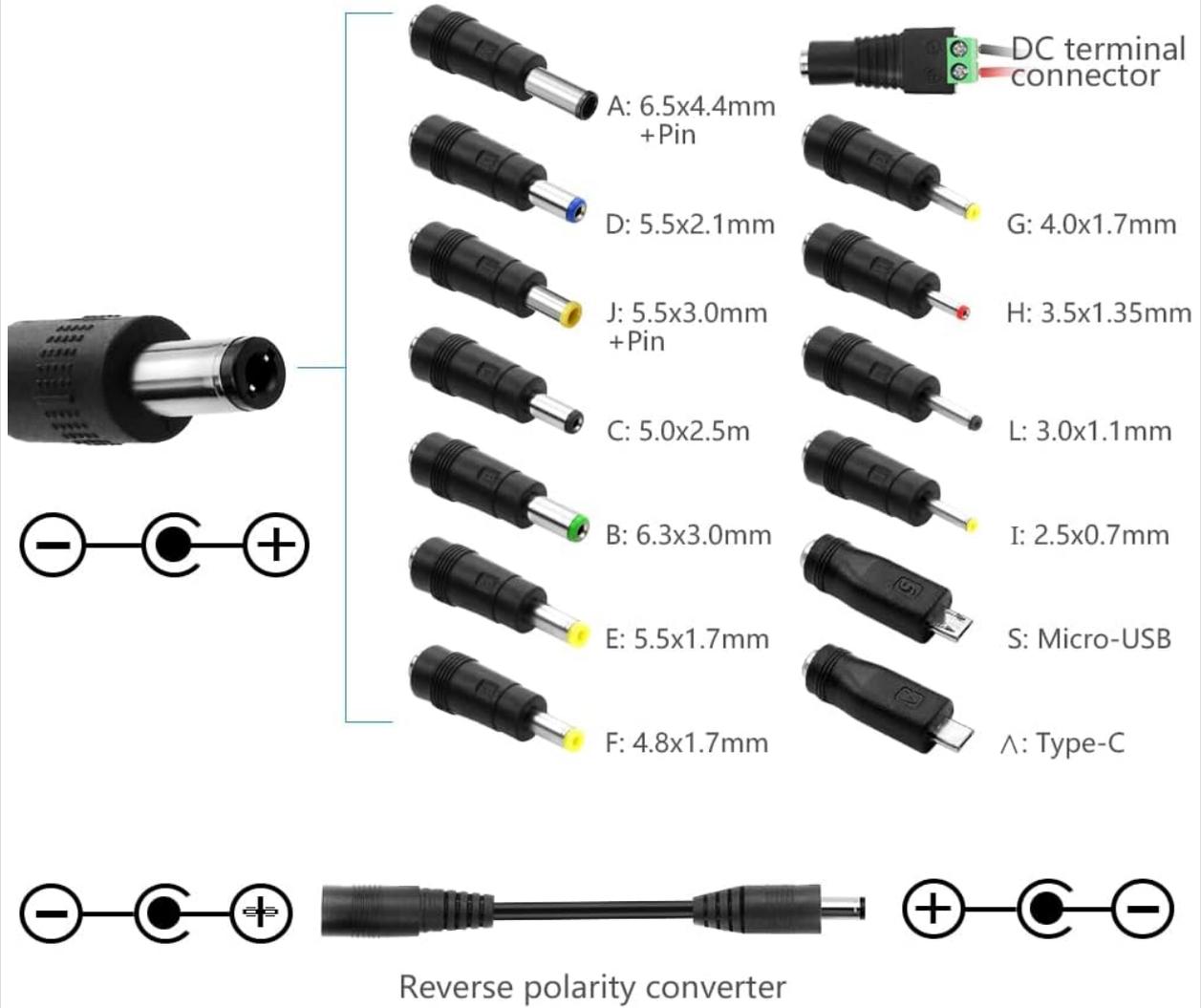


Figure 1: Built-in Safety Protection Systems.

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



Figure 2: Recommendation to use the power supply at 80% or less of its maximum load.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x SHNITPWR 144W Universal Adjustable DC Power Supply
- 1 x AC Input Power Cable
- 14 x Frequently Used DC Output Tips
- 1 x Polarity Converter Cable
- 1 x DC Terminal Connector



Figure 3: SHNITPWR Universal Power Supply and included accessories.

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.



Figure 4: Included DC Output Tips and Polarity Converter.

4. PRODUCT OVERVIEW

The SHNITPWR 144W Universal Adjustable DC Power Supply features a compact design with an integrated LCD display and a rotary knob for voltage adjustment. The unit is designed for ease of use and portability.

Key Features:

- **Adjustable Output Voltage:** Continuously variable from 9V to 36V DC.
- **LCD Display:** Shows the current output voltage for precise setting.
- **Wide Input Voltage:** AC 100-240V, 50/60Hz, suitable for international use.
- **High Power Output:** Up to 4A current and 144W power.
- **Improved Adjustment Knob:** Allows for more even and precise voltage regulation.
- **Integrated Power Off Function:** The adjustment knob includes an 'off' position to power down the unit without unplugging.

144W Adjustable Power Adapter



Figure 5: Adjustable DC Output Voltage Range.

Compact and light design



Figure 6: Compact Design and Dimensions.

5. SETUP

1. **Connect AC Power:** Plug the AC input power cable into the power supply and then into a standard wall outlet (100-240V AC).
2. **Select DC Tip:** Identify the correct DC output tip for your device. The kit includes 14 common tips, including various barrel sizes, Micro-USB, Type-C, and a DC terminal connector.
3. **Check Polarity:** Most devices use center-positive polarity. If your device requires center-negative polarity, use the included polarity converter cable. Always verify your device's polarity requirements before connecting.
4. **Attach DC Tip:** Connect the selected DC tip to the output cable of the power supply.

6. OPERATING INSTRUCTIONS

1. **Power On:** Rotate the voltage adjustment knob clockwise from the 'OFF' position. The LCD display will illuminate, showing the current output voltage.
2. **Adjust Voltage:** Slowly rotate the knob to set the desired output voltage. The LCD display will show the voltage in real-time. Ensure the voltage matches your device's requirements precisely.

3. **Connect Device:** Once the correct voltage is set and verified, connect the DC output tip to your electronic device.
4. **Monitor Operation:** Observe your device for proper function. If any issues arise, immediately disconnect the power supply.
5. **Power Off:** To turn off the power supply, rotate the voltage adjustment knob counter-clockwise until it clicks into the 'OFF' position. This will cut power without needing to unplug the unit.

Applications:

This power supply is suitable for a wide range of 9V-36V small household electronics, including but not limited to:

- LED strips
- Under-cabinet lights
- TV boxes
- Smart speakers
- Wireless routers
- Essential oil diffusers/humidifiers
- USB fans
- Wi-Fi cameras
- USB hubs
- Hard disk enclosures
- DC motors and pumps
- Digital photo frames
- DVR/NVR surveillance systems



Figure 7: Wide Range of Applications for the Power Supply.

7. MAINTENANCE

- Keep the power supply clean and dry. Avoid exposure to dust, dirt, and liquids.
- Store the unit in a cool, dry place when not in use.
- Regularly inspect cables and connectors for any signs of damage. Do not use if cables are frayed or connectors are bent.
- Do not block the ventilation openings on the power supply, as this can lead to overheating.

8. TROUBLESHOOTING

Common Issues and Solutions:

- **No Power Output / LCD Not Lighting Up:**
 - Ensure the AC power cable is securely plugged into both the power supply and the wall outlet.
 - Check if the wall outlet is functional.
 - Verify that the voltage adjustment knob is rotated past the 'OFF' position.

- **Device Not Powering On:**

- Confirm that the correct output voltage is selected for your device.
- Ensure the DC output tip is securely connected to your device.
- Check the polarity of the connection. Use the polarity converter cable if your device requires center-negative.
- Verify that your device's power requirements (voltage and current) do not exceed the power supply's capabilities (36V, 4A, 144W).

- **Unstable Voltage Output (under load):**

- This power supply is designed for stable output. If voltage fluctuates significantly under load, ensure the load does not exceed 80% of the maximum capacity (e.g., for 144W, keep load below 115W).
- Ensure all connections are firm and free from corrosion.
- If the issue persists, the connected device might be drawing too much current or have an internal fault.

- **Power Supply Overheating:**

- Reduce the load on the power supply to below 80% of its maximum capacity.
- Ensure adequate ventilation around the unit. Do not cover it.
- If overheating continues, disconnect immediately and contact support.

9. SPECIFICATIONS

Feature	Specification
Model Number	SNT-0936-144W
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 9V - 36V (Adjustable)
Max Output Current	4A
Max Output Power	144W
Item Weight	1.21 pounds (approx. 550 grams)
Package Dimensions	8.66 x 3.35 x 2.72 inches
Color	Black
Certifications	CE, FCC, RoHS

10. WARRANTY AND SUPPORT

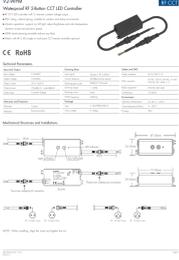
The SHNITPWR 144W Universal Adjustable DC Power Supply comes with a **24-month warranty** from the date of purchase, covering manufacturing defects and malfunctions under normal use.

If you encounter any issues or have questions regarding the product, please contact SHNITPWR customer support. Provide your model number (SNT-0936-144W) and a detailed description of the problem for efficient assistance.

For support, please refer to the contact information provided with your purchase or visit the official SHNITPWR website.

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Related Documents - SNT-0936-144W

	<p>Avidé ABLS12VMSC-144W-AMP LED Szalag Jelerősítő - 5-24V, 144W</p> <p>Részletes adatlap az Avidé ABLS12VMSC-144W-AMP LED szalag jelerősítőhöz. Tudnivalók a 5-24V feszültségtartományról, 144W teljesítményről, méretekről és beszerelésről.</p>
	<p>Avidé LED Szalag 5-24V 144W Fényerőszabályzó RF Vezérlő és Távirányító</p> <p>Termékadatlap az Avidé ABLS12V11KDIMM-144W-RFC LED szalag vezérlőhöz és 11 gombos RF távirányítóhoz. Részletezi a műszaki specifikációkat, méreteket, csomagolást, funkciókat és beszerelési útmutatót.</p>
	<p>VEVOR Portable Work Stand: User Manual, Safety, Assembly, and Specifications</p> <p>Comprehensive user manual for the VEVOR Portable Work Stand, covering safety instructions, preparation, precautions for using planks and power tools, environmental considerations, product overview, parameter specifications, package contents, assembly steps, and general maintenance. Includes model numbers SNT-15, SNT-9, SNT-6, SNT-12, SNT-6A, SNT-15A.</p>
	<p>Canon Cushion Cover or Mini Quilt Sewing Pattern - nanaCompany</p> <p>Download the free Canon Cushion Cover or Mini Quilt sewing pattern from nanaCompany. Includes materials list, cutting instructions, and assembly guide for a beautiful patchwork project.</p>
	<p>V2-WPM Waterproof RF 2-Button CCT LED Controller - Technical Specifications and Guide</p> <p>Detailed specifications, installation guide, and operational instructions for the V2-WPM Waterproof RF 2-Button CCT LED Controller. Features IP67 rating, 12-24VDC input, 2-channel output, 4096 levels dimming, and RF 2.4G remote compatibility.</p>



[Avide LED Szalag 5-24V 144W Vezérlő és RF Távirányító \(ABLS12V9KDIMM-120W-RFC\) - Műszaki Adatlap](#)

Részletes műszaki adatlap az Avide ABLS12V9KDIMM-120W-RFC LED szalag vezérlőhöz és 9 gombos RF távirányítóhoz. Információk a specifikációról, méretekről, telepítésről és működésről.