SHNITPWR LP-1000

SHNITPWR 30W Universal Power Supply 3V-12V Adjustable AC/DC Adapter Instruction Manual

Model: LP-1000

1. Introduction

Thank you for choosing the SHNITPWR 30W Universal Power Supply. This adjustable AC/DC adapter is designed to provide versatile power solutions for a wide range of small electronic devices. With selectable output voltages from 3V to 12V and a maximum current of 2.5A, it offers flexibility and convenience. This manual provides essential information for the safe and efficient use of your new power supply.

2. Key Features

- **Adjustable Output Voltage:** Provides DC output voltages of 3V, 4.5V, 5V, 6V, 7.5V, 9V, and 12V, with a maximum output of 2.5A and 30W.
- **Wide Input Voltage:** Compatible with AC 100-240V, 50/60Hz input, suitable for various regions.
- **Integrated USB Port:** Features a 5V 2.1A USB port for charging standard USB-powered devices (USB cable not included).
- **Extensive Compatibility:** Includes 14 frequently used DC tips (e.g., 6.5x4.4mm+Pin, 5.5x2.1mm, Micro-USB, Type-C) and a polarity reverse converter cable to accommodate diverse devices.
- **Multiple Safety Protections:** Built-in safeguards against over voltage, over current, over temperature, and short circuits, ensuring safe operation.
- **Durable Design:** Features a fire-retardant outer shell and anti-EMI interference for enhanced reliability and safety.

3. Package Contents

The package includes the following items:

- 1 x SHNITPWR 30W Universal Power Supply
- 14 x Interchangeable DC Tips
- 1 x Polarity Reverse Converter Cable

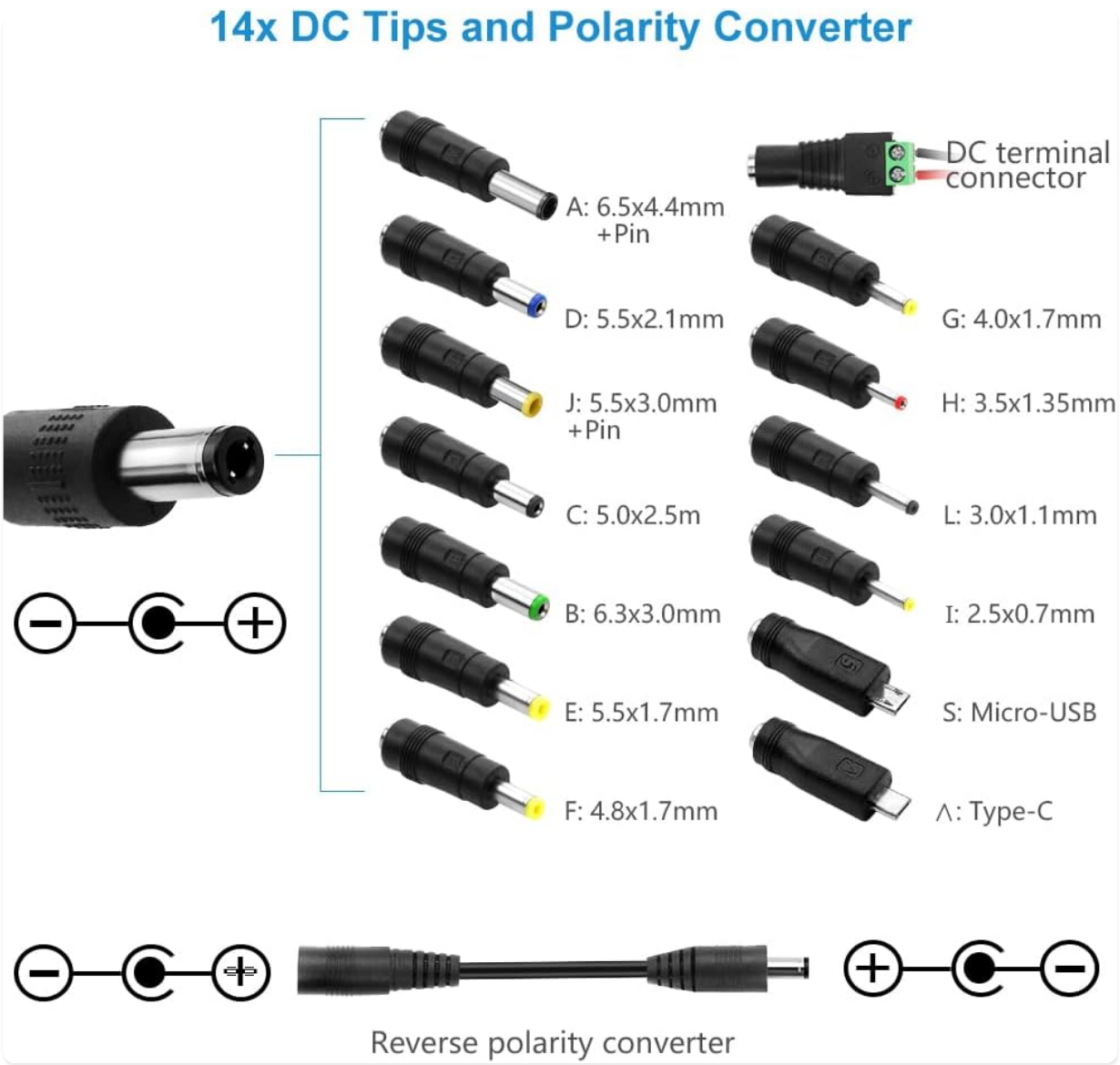


Figure 3.1: The SHNITPWR 30W Universal Power Supply with its array of 14 DC tips and the included polarity reverse converter cable.

4. Setup and Operating Instructions

Follow these steps to correctly set up and operate your SHNITPWR Universal Power Supply:

1. **Confirm Device Requirements:** Before connecting, identify your device's required voltage (V), current (A), power port type, and polarity (positive or negative center). This information is usually found on the device itself, its original adapter, or in its user manual.
2. **Check Compatibility:** Ensure your device's voltage and current requirements are within the power supply's range (3V-12V, Max 2.5A 30W). Using an incorrect voltage or exceeding the maximum wattage can damage your device.
3. **Select the Correct DC Tip:** Choose one of the 14 interchangeable DC tips that matches your device's power port. If your device requires a different polarity than the default (inside "+", outside "-"), use the included polarity reverse converter cable.

4. **Adjust the Voltage:** Locate the yellow voltage selector dial on the power supply. Use a small tool (or your finger if accessible) to rotate the dial and set it to the exact voltage required by your device. **WARNING: Always set the voltage BEFORE plugging the adapter into your device. Incorrect voltage can cause irreversible damage.**



Figure 4.1: The adjustable voltage dial on the SHNITPWR power supply, showing selectable voltage options from 3V to 12V.

5. **Connect to Device:** Attach the selected DC tip to the power supply's output cable, then insert the tip into your device's power input port.
6. **Plug into Power Outlet:** Finally, plug the SHNITPWR Universal Power Supply into a standard AC 100-240V wall outlet. The blue LED indicator light will illuminate when power is supplied.
7. **Using the USB Port:** The 5V 2.1A USB port can be used simultaneously with the DC output. Connect any standard USB cable to charge compatible devices.

Demonstration Video

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Video 4.1: A visual guide demonstrating the setup and usage of the SHNITPWR 30W Universal Power Supply, including tip selection, voltage adjustment, and device connection.

5. Safety Precautions

- Always verify your device's voltage, current, and polarity requirements before connecting the power supply.
- Set the correct voltage on the adapter before plugging it into your device to prevent damage.
- Do not exceed 80% of the power supply's maximum wattage (30W) for continuous use to ensure optimal performance and longevity.
- This product is an AC to DC adapter, not a charger. It is not designed to charge devices with batteries, such as laptops, and doing so may cause damage.
- Keep the power supply away from water, moisture, and high temperatures.
- Do not disassemble or modify the power supply. Refer servicing to qualified personnel.
- Built-in safety features include automatic over voltage, over current, over temperature, and short circuit cut-off.



Figure 5.1: Overview of the built-in safety protections designed into the SHNITPWR power supply.

6. Maintenance

- Keep the power supply clean and dry. Use a soft, dry cloth for cleaning.

- Store the power supply in a cool, dry place when not in use.
- Avoid bending or crimping the power cord excessively to prevent internal wire damage.

7. Troubleshooting

- **No Power Output:**
  - Ensure the power supply is securely plugged into a working wall outlet.
  - Check if the blue LED indicator light is on. If not, try a different outlet.
  - Verify that the voltage selector is set correctly and the DC tip is firmly connected to both the adapter and the device.
- **Device Not Functioning:**
  - Double-check that the selected voltage and current match your device's requirements.
  - Confirm the polarity setting is correct for your device. Use the polarity reverse converter if needed.
  - Ensure the device itself is in working order.
- **Adapter Overheating:**
  - If the adapter feels excessively hot, disconnect it immediately.
  - Ensure the load on the adapter does not exceed 80% of its maximum capacity (30W).
  - Check for proper ventilation around the adapter.

8. Specifications

Feature	Specification
Model Number	LP-1000
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 3V, 4.5V, 5V, 6V, 7.5V, 9V, 12V (Adjustable)
Max Output Current	2.5 Amps
Max Output Power	30 Watts
USB Port Output	5V 2.1A
Included DC Tips	14 pieces (e.g., 6.5x4.4mm+Pin, 5.5x2.1mm, Micro-USB, Type-C)
Special Feature	Adjustable Voltage, Polarity Reverse Cable
Color	Black
Item Weight	7.1 ounces
Dimensions	5.16 x 2.87 x 2.64 inches (Package)

9. Warranty and Support

For product support, technical assistance, or warranty inquiries, please contact SHNITPWR customer service through the retailer's platform or the official SHNITPWR website. Please retain your proof of purchase for any warranty claims. This product is subject to the retailer's return policy, typically 30 days from the date of purchase.