SHNITPWR SNT-0324-36

SHNITPWR 36W Universal Adjustable Power Supply (Model SNT-0324-36) Instruction Manual

1. Introduction

This manual provides essential information for the safe and effective use of your SHNITPWR 36W Universal Adjustable Power Supply. This device converts AC input voltage (110-240V) to a selectable DC output voltage ranging from 3V to 24V, with a maximum current of 1.5A and a maximum power output of 36W. It is designed for powering various small electronic devices.

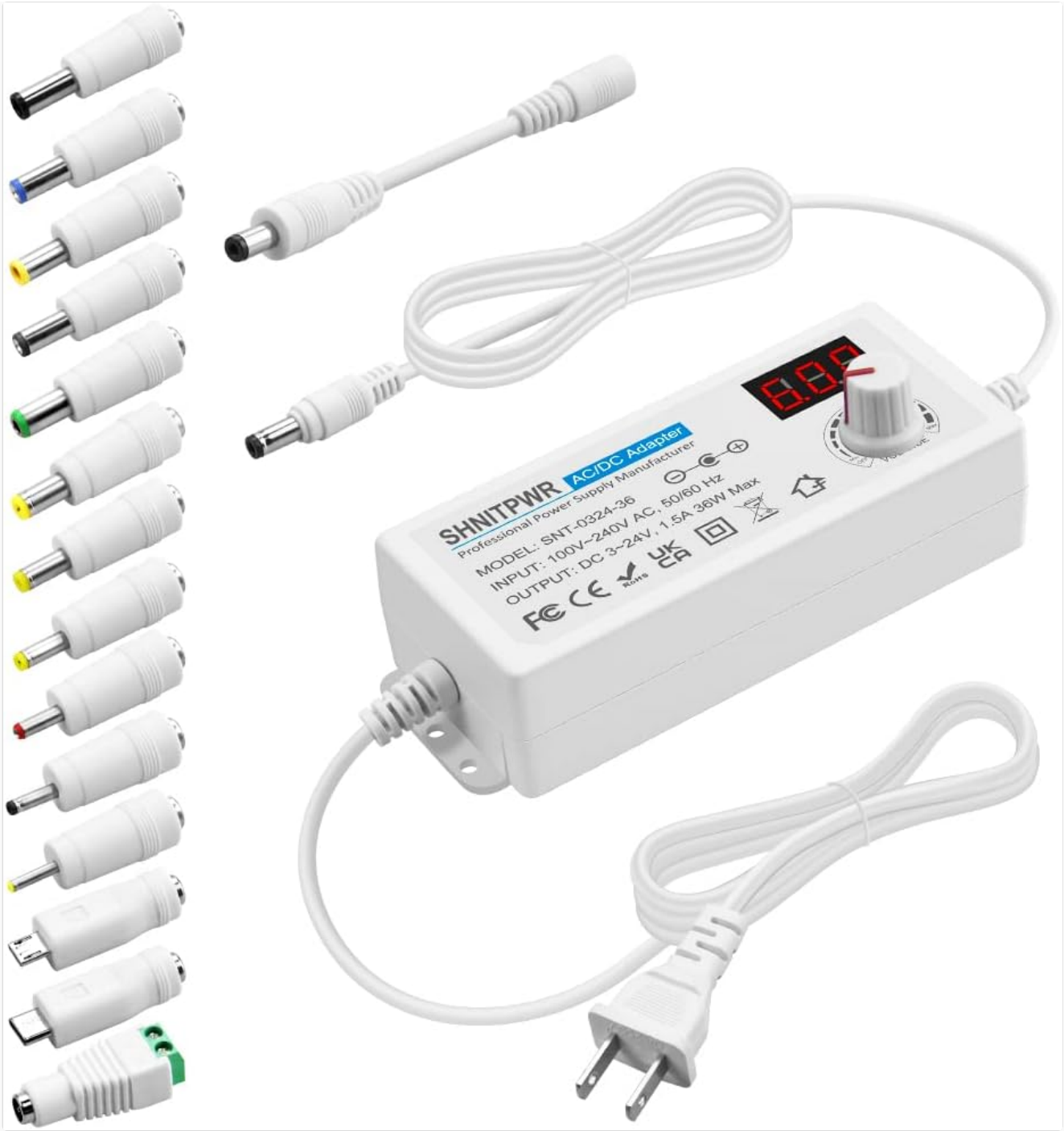

Image 1.1: Overview of the SHNITPWR Universal Adjustable Power Supply and included accessories.

2. Package Contents

Verify that all items listed below are present in your package:

- 1 x SHNITPWR 36W Universal Adjustable Power Supply (AC to DC adapter)
- 14 x Assorted DC Connector Tips
- 1 x Reverse Polarity Converter

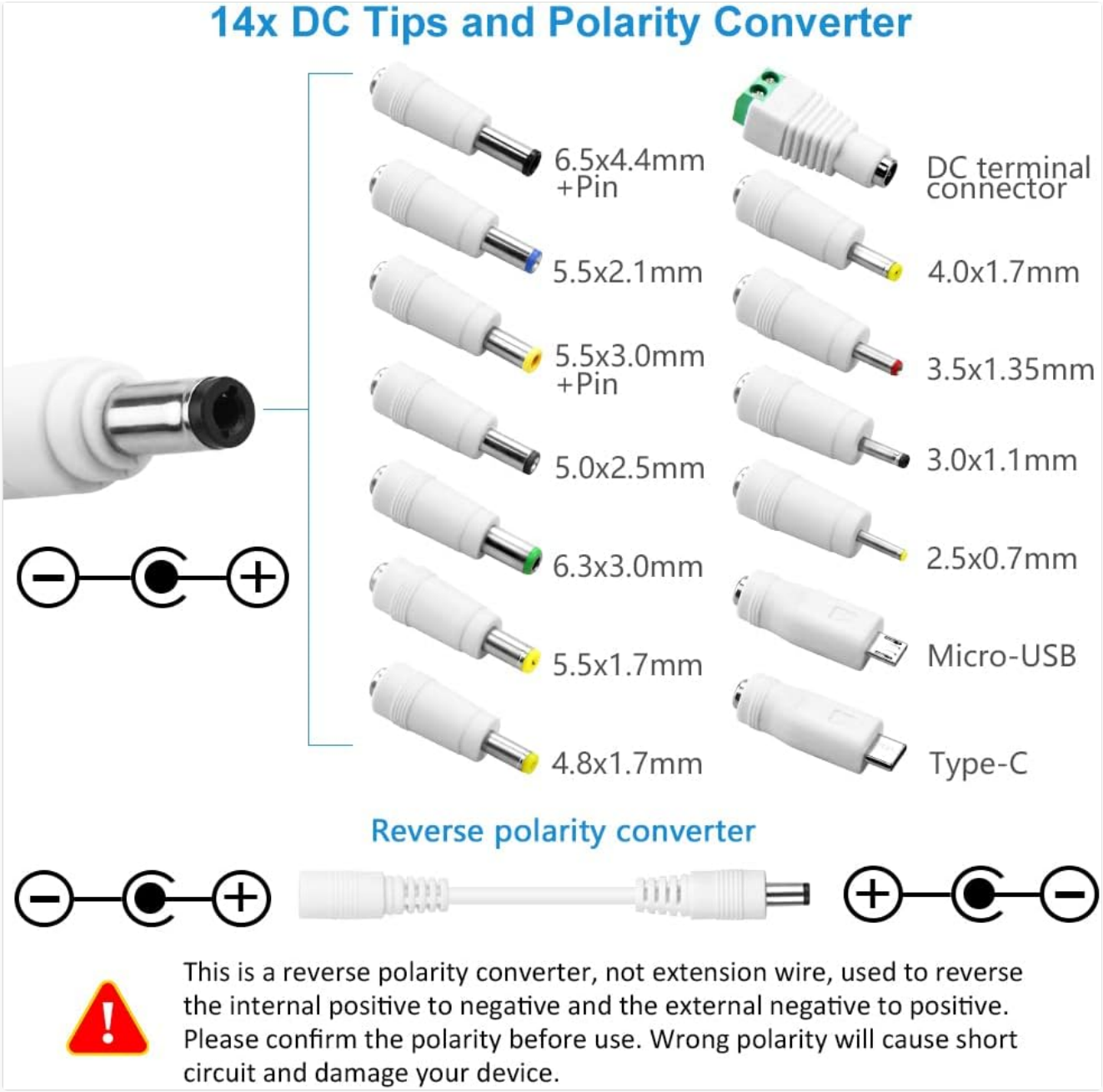

Image 2.1: The included 14 DC connector tips and the reverse polarity converter.

3. Setup Instructions

1. **Identify Device Requirements:** Before connecting the power supply, determine the exact voltage (V), current (A), and polarity requirements of your electronic device. This information is usually found on the device itself, its original power adapter, or in its instruction manual.
2. **Select Appropriate DC Tip:** Choose one of the 14 included DC connector tips that matches the input port of your device. Ensure a snug fit.
3. **Connect DC Tip:** Attach the selected DC tip to the output cable of the SHNITPWR power supply.
4. **Set Voltage (BEFORE Connecting to Device):** Plug the power supply into an AC outlet. The LCD display will illuminate. Rotate the voltage adjustment knob to set the desired output voltage. **Always set the voltage to match your device's requirements BEFORE connecting the power supply to your device.**
5. **Check Polarity (If Necessary):** The standard polarity for the power supply is center positive. If your device requires center negative polarity, use the included reverse polarity converter. Connect the converter between the power supply's output cable and the selected DC tip.

6. **Connect to Device:** Once the correct voltage and polarity are confirmed, connect the power supply to your electronic device.

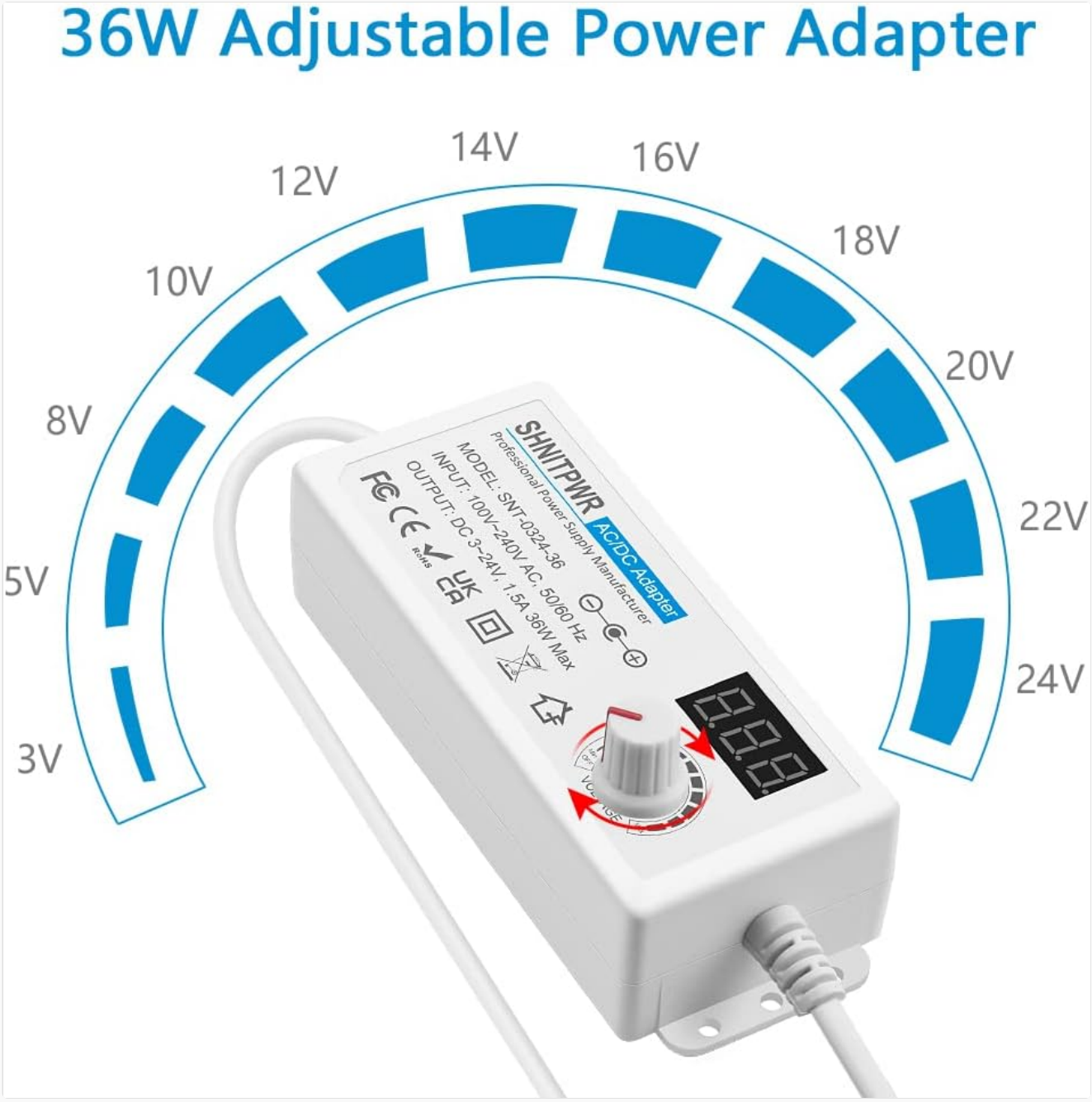

Image 3.1: The voltage adjustment knob and LCD display for precise voltage selection.

4. Operating Instructions

4.1 Voltage Adjustment

The power supply features a rotary knob for adjusting the output voltage. Turn the knob clockwise to increase the voltage and counter-clockwise to decrease it. The current output voltage is displayed on the integrated LCD screen, allowing for precise adjustment between 3V and 24V. Always ensure the voltage matches your device's specifications to prevent damage.

4.2 Polarity Reversal

The power supply's default output polarity is center positive. If your device requires center negative polarity, utilize the provided reverse polarity converter. This converter changes the internal positive to negative and the external negative to positive. Confirm your device's polarity requirements before use, as incorrect polarity can cause severe

damage.

5. Safety Features

The SHNITPWR power supply incorporates multiple safety protection systems to ensure reliable and safe operation:

- **Over Voltage Cut-off:** Automatically shuts down if output voltage exceeds safe limits.
- **Over Current Cut-off:** Protects against excessive current draw.
- **Over Temperature Cut-off:** Prevents overheating of the unit.
- **Short Circuit Cut-off:** Safeguards against short circuits in the connected device or cables.
- **Electromagnetic Wave Protection:** Minimizes electromagnetic interference.
- **Quality Microchip:** Ensures stable and efficient power delivery.

The adapter features a fire-retardant exterior for enhanced safety.

Image 5.1: Visual representation of the built-in safety protections.

6. Device Compatibility

This multi-functional AC/DC adapter is suitable for a wide range of small home electronic products requiring 3V to 24V DC power and drawing less than 1.5A. Examples include:

- LED strip lights

- Speakers
- Wireless routers
- Essential oil humidifiers
- USB Hubs
- Hard drive enclosures
- Digital photo frames
- Electronic piano keyboards
- Security CCTV cameras
- Portable radios
- Computer coolers
- Motors
- External hard drives
- Foot massagers

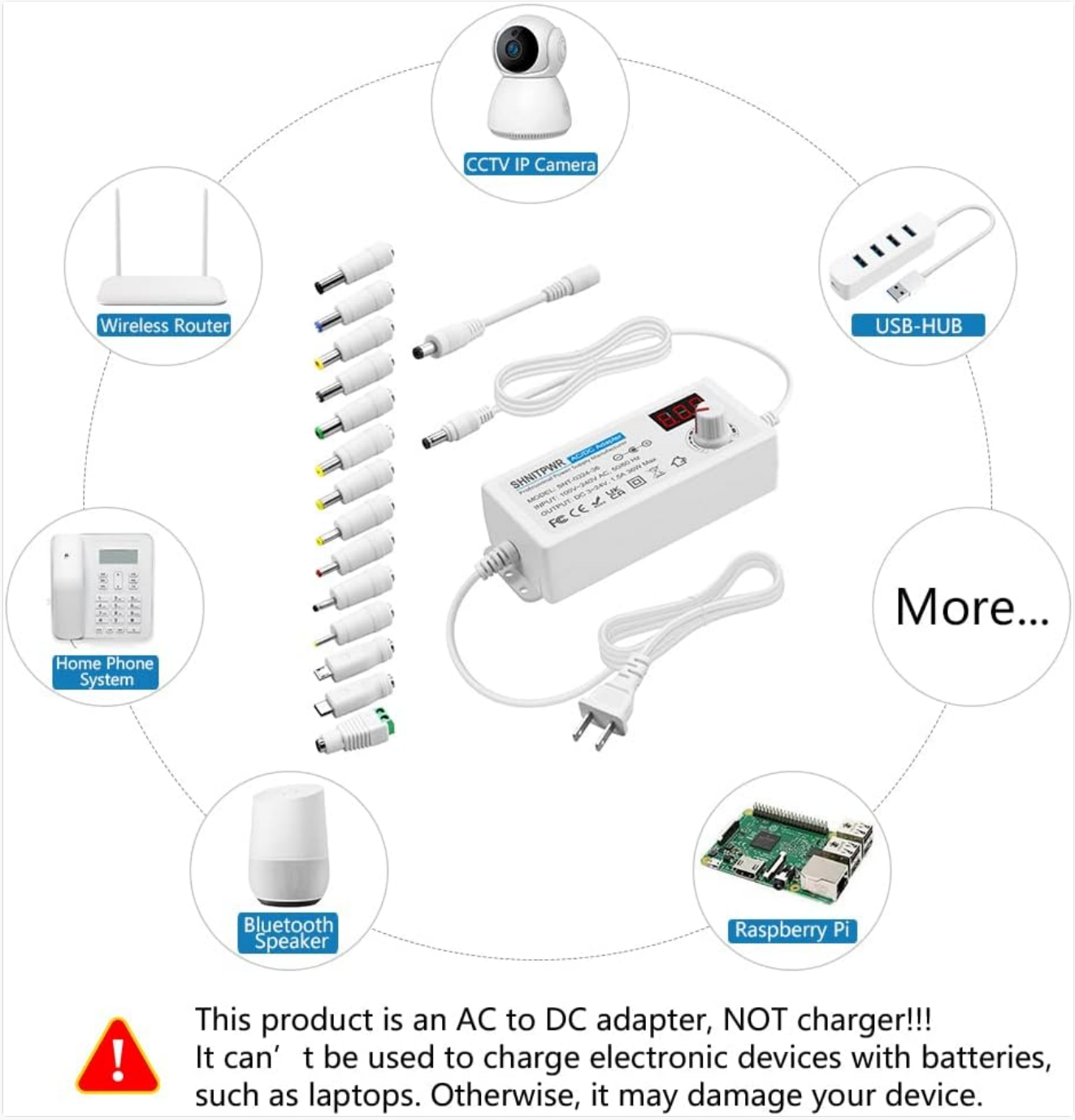

Image 6.1: Examples of electronic devices compatible with the power supply.

7. Important Notes and Warnings

- **AC to DC Adapter, NOT a Charger:** This product is an AC to DC power adapter and is **not** designed to charge electronic devices with built-in batteries, such as laptops. Using it as a charger may damage your device.
- **Correct Voltage Selection:** Always select the correct voltage for your device before plugging it in. Incorrect voltage can cause irreversible damage to your electronic equipment.
- **Load Recommendation:** For optimal performance and extended product lifespan, it is recommended to use the power supply at less than 80% of its full load capacity (i.e., less than 1.2A or 28.8W). Exceeding this recommendation may cause the adapter to overheat and shorten its service life.
- **Indoor Use Only:** This device is intended for indoor use in dry conditions. Do not expose to water or high humidity.

Image 7.1: Recommendation to use the power supply at less than 80% of its full load.

8. Specifications

Feature	Specification

Model Number	SNT-0324-36
Input Voltage	AC 110-240V, 50/60Hz
Output Voltage	DC 3V-24V (Adjustable)
Max Output Current	1.5A
Max Output Power	36W
Product Dimensions	8.7 x 2.4 x 2.3 inches (22.1 x 6.1 x 5.8 cm)
Item Weight	10.6 ounces (300 grams)
Certifications	CE, FCC, RoHS

Image 8.1: Physical dimensions of the power supply unit.

9. Troubleshooting

If you encounter issues with your power supply, please refer to the following common troubleshooting steps:

- **Device Not Powering On:**
  - Ensure the power supply is securely plugged into a working AC outlet.
  - Verify that the DC output cable and tip are firmly connected to your device.
  - Check that the selected voltage on the power supply's LCD display matches your device's required voltage.
  - Confirm that the polarity (center positive/negative) is correct for your device. Use the polarity converter if needed.
  - Ensure your device's current draw does not exceed the power supply's maximum of 1.5A.
- **Power Supply Overheating:**
  - Reduce the load on the power supply. Ensure the connected device's power consumption is below 80% of the adapter's maximum capacity (approx. 28.8W or 1.2A).
  - Ensure adequate ventilation around the power supply.
- **Inconsistent Voltage Output:**
  - Check for loose connections.
  - If the issue persists, the unit may be faulty. Discontinue use and contact customer support.

10. Warranty and Support

For warranty information, technical support, or any questions regarding your SHNITPWR 36W Universal Adjustable Power Supply, please refer to the contact information provided with your purchase or visit the official SHNITPWR website. Our customer service team is available to assist you with any concerns.