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› ALITOVE 12V 3A 36W Universal AC Adapter Instruction Manual

ALITOVE ALT-1203

ALITOVE 12V 3A 36W Universal AC Adapter Instruction Manual

Model: ALT-1203 | Brand: ALITOVE

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1. PRODUCT OVERVIEW

The ALITOVE 12V 3A 36W Universal AC Adapter (Model ALT-1203) is designed to provide stable 12-volt DC power to a wide range of electronic devices. It features a universal input voltage range (AC 100-240V) and comes with 14 interchangeable DC tips, ensuring compatibility with various devices such as LED strip lights, CCTV cameras, PC monitors, and DVD players. The adapter incorporates multiple safety features for reliable and secure operation.



Image 1.1: The ALITOVE 12V 3A 36W Universal AC Adapter with its included 14 DC tips, showcasing its versatility.

2. IMPORTANT SAFETY NOTES

- **Voltage and Current Compatibility:** Before connecting, verify that your device's working voltage is 12V and its current requirement does not exceed 3A. Using the adapter with incompatible devices may cause damage.
- **Not a Battery Charger:** This product is a power supply adapter, not a battery charger. Do not use it for charging batteries.
- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to water, moisture, or high humidity.
- **Ventilation:** Ensure adequate ventilation around the adapter during operation to prevent overheating. Do not cover the adapter.
- **Damage Inspection:** Regularly inspect the power cord and adapter for any signs of damage. Do not use if damaged.
- **Children and Pets:** Keep the adapter and its components out of reach of children and pets.

- **Polarity:** The connector polarity is internal positive (+) and outer negative (-). Ensure this matches your device's requirements.

6-Point Safety System



Short circuit
protection



Over voltage
protection



Over current
protection



Overload
protection



Anti EMI
interference



Surge
protection



Image 2.1: Diagram illustrating the 6-point safety system of the ALITOVE power adapter, including short circuit, over voltage, over current, overload, anti-EMI, and surge protection.

3. PACKAGE CONTENTS

Please check the package for the following items:

- 1x ALITOVE 12V 3A Power Supply Adapter
- 14x Universal DC Tips

14 Commonly Used DC Tips

Inner: Positive +

Outer: Negative -

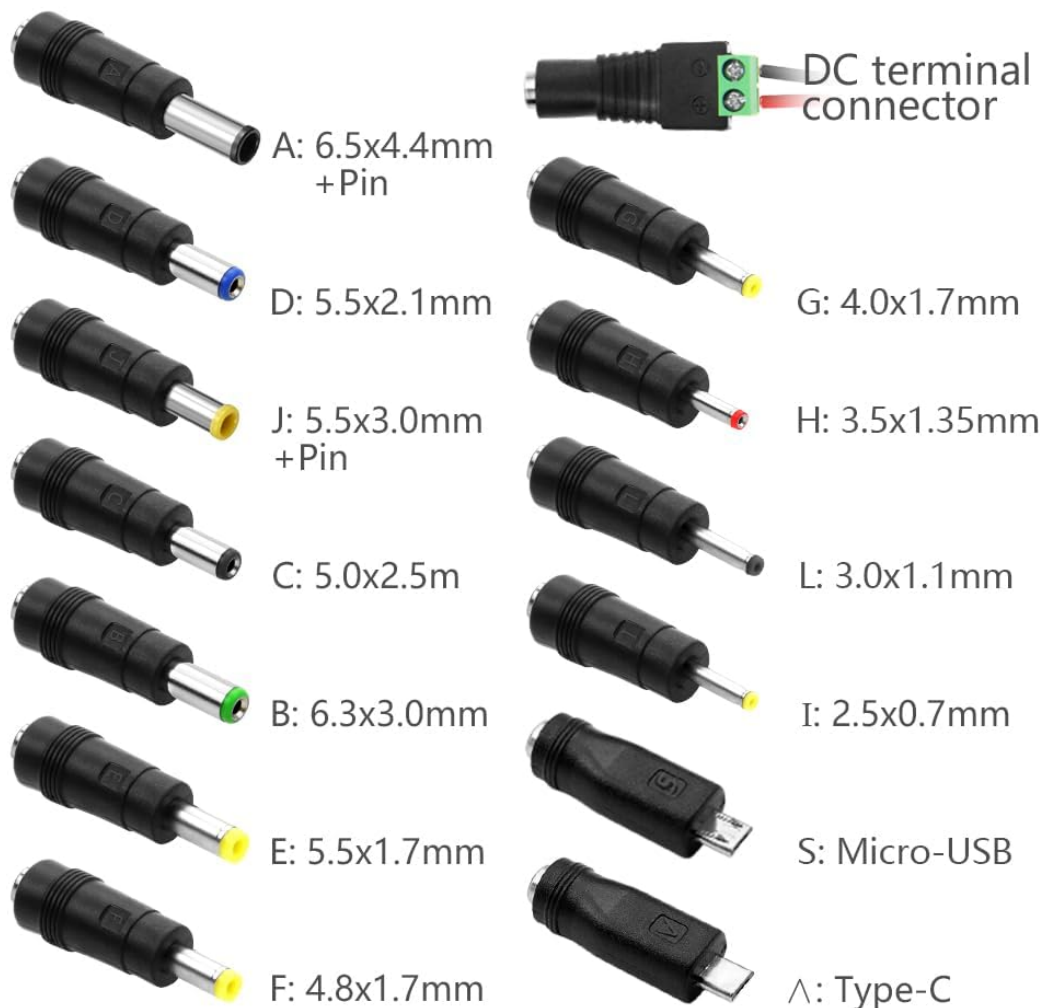


Image 3.1: The ALITOVE power adapter shown alongside its complete set of 14 interchangeable DC tips.

4. SETUP INSTRUCTIONS

1. **Verify Device Requirements:** Before connecting, confirm your device requires 12V DC power and draws no more than 3A (36W). Check your device's parameter label for this information.

2. **Select Correct DC Tip:** Identify the correct DC tip from the 14 included tips that matches your device's power input port. The adapter's original connector is 5.5x2.5mm. The included tips cover various sizes such as 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 a DC terminal connector.
3. **Attach DC Tip:** Firmly attach the selected DC tip to the adapter's output cable. Ensure a secure connection.
4. **Connect to Device:** Plug the DC tip into your device's power input port.
5. **Connect to Power Outlet:** Plug the AC adapter into a standard AC 100-240V wall outlet. The adapter features a 6.2ft power cord for flexible placement.
6. **Power On:** Once connected, your device should receive power.

How to Choose Correct Power Supply?

1. Please Check Your Device's Parameter Label

- ☒ Confirm that its operating voltage is 12V DC
- ☒ Confirm that its operating current is no more than 3A
- ☒ Confirm that its power consumption is no more 36W

2. Check Power Interface:

Check the power input port of the device, the size is **5.5mm x 2.5mm or 2.1mm**.
(14 plugs: 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, DC terminal connector)



Light strip



Camera



Mini fan



Routers



Speakers



CCTV Camera



Digital Photo Frame

More
...



Image 4.1: Visual guide on how to select the appropriate DC tip by checking device parameters and power interface dimensions.

Compact Size and Lightweight



Image 4.2: Detailed view of the adapter's dimensions and the standard 5.5x2.5mm DC connector, highlighting the inner positive and outer negative polarity.

5. OPERATING INSTRUCTIONS

The ALITOVE 12V 3A 36W Universal AC Adapter is designed for straightforward operation. Once properly connected to your device and a power outlet, it will automatically supply stable 12V DC power. The adapter features an internal positive (+) and outer negative (-) polarity, which is standard for many 12V devices. Always ensure the adapter is used within its specified voltage and current limits to prevent damage to both the adapter and the connected device.

6.2FT

Long Power Cord, Reach Every Corner



Image 5.1: The adapter's 6.2ft power cord providing extended reach for flexible device placement.

6. MAINTENANCE

To ensure the longevity and optimal performance of your ALITOVE 12V 3A 36W Universal AC Adapter, follow these maintenance guidelines:

- **Cleaning:** Disconnect the adapter from the power outlet and your device before cleaning. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or solvents.
- **Storage:** When not in use, store the adapter in a cool, dry place away from direct sunlight and extreme

temperatures. Avoid tightly coiling the power cord to prevent damage.

- **Cable Care:** Do not bend, twist, or pull the power cord excessively. Avoid placing heavy objects on the cord.
- **Inspection:** Periodically inspect the adapter casing, power cord, and DC tips for any signs of wear, cuts, or damage. If any damage is observed, discontinue use and replace the adapter.



Image 6.1: The power cord is designed for durability, having passed over 5000 bending tests for long-term reliability.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No power to device	Adapter not plugged in Loose connection Incorrect DC tip Device power requirements exceed adapter capacity Faulty power outlet Damaged adapter or cable	Ensure adapter is fully plugged into a working wall outlet. Check all connections (adapter to tip, tip to device) are secure. Verify the selected DC tip matches your device's input port. Confirm your device's voltage is 12V and current is $\leq 3A$. Test the outlet with another device. Inspect for visible damage. If damaged, replace the adapter.
Device not functioning correctly	Incorrect voltage or current Incorrect polarity	Double-check device specifications for voltage (12V) and current ($\leq 3A$). Confirm the adapter's polarity (internal positive, outer negative) matches your device.
Adapter feels hot	Normal operation (slight warmth) Overload Poor ventilation	Slight warmth is normal. Ensure the connected device does not exceed 3A. Provide adequate space around the adapter for airflow.

8. PRODUCT SPECIFICATIONS

Feature	Detail
Model Number	ALT-1203
Input Voltage	AC 100-240V, 50/60Hz
Output Voltage	DC 12V
Output Current	3 Amps (Max)
Output Wattage	36 Watts (Max)
Power Cord Length	6.2 ft (approx. 1.9 meters)
Connector Polarity	Internal Positive (+), Outer Negative (-)
Included DC Tips	14 universal tips (e.g., 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, DC terminal connector)
Safety Features	Automatic overload protection, over-voltage protection, over-current protection, over-temperature protection, short circuit protection, anti-EMI interference, surge protection.
Certifications	CE, FCC, RoHS
Color	Black
Manufacturer	Shenzhen ALITOVE Electronic Technology Co., Ltd

9. WARRANTY INFORMATION

The ALITOVE 12V 3A 36W Universal AC Adapter comes with a**24-month warranty** from the date of purchase. This warranty covers manufacturing defects and issues arising from normal use. It does not cover damage caused by misuse, accidents, unauthorized modifications, or improper installation. Please retain your proof of purchase for warranty claims.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact ALITOVE customer support. Refer to the contact information provided with your product packaging or visit the official ALITOVE website for the most up-to-date support details.

Online Resources: You may find additional information and FAQs on the ALITOVE brand store page on Amazon: [ALITOVE Store](#)