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Lighting EVER 5000028-US

Lighting EVER 36W 12V DC Power Adapter

Model: 5000028-US

1. Introduction

This manual provides essential information for the safe and efficient use of your Lighting EVER 36W 12V DC Power Adapter. This adapter is designed to convert 100-240V AC input to a stable 12V DC output, making it suitable for various low-voltage applications, particularly LED strip lights. Please read this manual thoroughly before installation and operation.

2. Safety Information

To ensure safe operation and prevent damage, observe the following precautions:

- This power adapter is **UL Listed**, indicating it meets recognized safety standards.
- Ensure the total wattage of connected devices does not exceed the adapter's maximum output of 36W.
- This product is **NOT waterproof**. Avoid exposure to water or high humidity.
- Do not disassemble, modify, or attempt to repair the adapter.
- Keep the adapter away from heat sources, direct sunlight, and flammable materials.
- Ensure proper ventilation around the adapter during operation.
- Disconnect the power adapter from the outlet before cleaning or when not in use for extended periods.



Image: The power adapter features multiple safety protections, including over-voltage, over-heating, over-current, and short-circuiting protection, as indicated by the icons and UL certification.

3. Product Features

- **Universal Input:** Accepts 100-240V AC, 50/60Hz.
- **Stable Output:** Provides a regulated 12V DC output.
- **High Current Capacity:** Delivers up to 3 Amps.
- **Power Rating:** Maximum 36 Watts.
- **Safety Certified:** UL Listed for enhanced safety.
- **Standard DC Connector:** Equipped with a Φ5.5*2.1*10mm DC port.
- **Integrated Protection:** Features over-voltage, over-heating, over-current, and short-circuiting protection.
- **Compact Design:** Easy to integrate into various setups.

4. Package Contents

Verify that all items are present and in good condition:

- 1 x Lighting EVER 36W 12V DC Power Adapter
- 1 x AC Input Power Cord (US Plug)
- 1 x DC Output Cord with Φ5.5*2.1*10mm Connector



Image: The package includes the main power adapter unit, an AC input power cord with a US plug, and a DC output cord for connecting to your devices.

5. Setup and Installation

Follow these steps to set up your power adapter:

1. **Prepare the Surface (if applicable):** If attaching the adapter or connected devices (e.g., LED strips) using adhesive, ensure the surface is clean and dry. Cleaning with rubbing alcohol is recommended for optimal adhesion.
2. **Connect DC Output Cord:** Plug the DC output cord into the DC input port of your 12V device (e.g., LED strip light).

Ensure a secure connection.

3. **Connect AC Input Power Cord:** Insert the AC input power cord into the adapter's AC inlet.
4. **Connect to Power Outlet:** Plug the AC input power cord into a standard 100-240V AC wall outlet.
5. **Verify Operation:** Once connected, your 12V device should power on. If not, check all connections and the power outlet.

6. Operating Instructions

The Lighting EVER 36W 12V DC Power Adapter operates automatically once connected to a power source and a compatible device. There are no manual controls on the adapter itself.

- Ensure the adapter is plugged into a functional electrical outlet.
- Confirm that your 12V device is correctly connected to the adapter's DC output.
- For devices with their own switches or controls (e.g., LED strips with a dimmer or sensor), operate them as per their respective instructions.

7. Applications

This 12V DC power adapter is versatile and can be used with a wide range of low-voltage devices, including but not limited to:

- Low voltage single color or RGB LED strip lights.
- Wireless routers.
- Small speakers.
- CCTV cameras.
- Other 12V DC devices requiring up to 3A of current.



Image: The power adapter is suitable for powering various 12V devices, such as LED strip lights, wireless routers, speakers, and CCTV cameras, provided their current draw is within the adapter's limits.

8. Specifications

Brand	Lighting EVER
Model Number	5000028-US
Input Voltage	100-240V AC
Output Voltage	12V DC
Max Current	3 Amps
Max Wattage	36 Watts

DC Port Diameter	Φ5.5*2.1*10mm
AC Cord Length	3.94 ft (1.2 m)
Output Cord Length	3.94 ft (1.2 m)
Safety Certification	UL Listed
Color	Black
Material	Plastic
Waterproof	No
Dimensions (L x W x H)	3.23 in x 1.85 in x 1.22 in



Image: Detailed dimensions of the power adapter unit, including its length (3.23 inches), width (1.85 inches), and height (1.22 inches).

9. Troubleshooting

If you encounter issues with your power adapter, refer to the following common problems and solutions:

- **No Power to Device:**
  - Check if the AC power cord is securely plugged into both the adapter and the wall outlet.

- Verify that the wall outlet is functional by plugging in another device.
- Ensure the DC output cord is firmly connected to your device.
- Confirm your device's power requirements do not exceed 12V DC and 3A (36W).

- **Device Flickering or Unstable Power:**
  - The connected device might be drawing more power than the adapter can supply. Reduce the load or use a higher wattage adapter.
  - Check for loose connections at both the AC input and DC output.
- **Adapter Overheating:**
  - Ensure the adapter has adequate ventilation and is not covered.
  - Reduce the load on the adapter if the connected device's wattage is close to or exceeds 36W.
  - If overheating persists, discontinue use and contact support.

10. Maintenance

Proper maintenance ensures the longevity and safe operation of your power adapter:

- **Cleaning:** Use a soft, dry cloth to clean the adapter. Do not use liquid cleaners or aerosols.
- **Storage:** Store the adapter in a cool, dry place away from direct sunlight and extreme temperatures when not in use.
- **Inspection:** Periodically inspect the cords and adapter for any signs of damage, such as cuts, fraying, or discoloration. If damage is found, discontinue use and replace the unit.
- **Avoid Stress:** Do not bend or pull the cords excessively, especially near the connectors, to prevent internal wire damage.

11. Warranty and Support

For warranty information or technical support, please refer to the product packaging or contact Lighting EVER customer service directly. Keep your purchase receipt as proof of purchase.

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