# AC 100-240V to DC 48V 3A 120W Power Adapter 欧盟产品说明书（可下载PDF版）

PRODUCT USER MANUAL (Brief Version)

## Product Name

AC 100-240V to DC 48V 3A 120W Power Adapter
Port Size: 5.5mm x 2.5mm, For PoE Switch

## 1. Description

This AC 100-240V to DC 48V 3A 120W power adapter is a professional and high-efficiency power supply accessory, specially designed for PoE switches (compatible with most standard PoE switches that require DC 48V power input). It adopts a wide voltage input design (AC 100-240V), which can be used in global mainstream power grids, converting alternating current into stable direct current to provide safe and reliable power support for PoE switches. The product has a standard DC output port with size 5.5mm x 2.5mm, which perfectly matches the power interface of PoE switches, ensuring stable connection and no loose contact. It is made of high-quality flame-retardant ABS plastic and high-purity copper wire, featuring overload protection, short-circuit protection, over-voltage protection, over-temperature protection and anti-interference functions, which effectively protects the PoE switch from damage caused by power abnormalities. With high conversion efficiency (up to 88%), low energy consumption and stable output, it is suitable for indoor use in offices, monitoring rooms, computer rooms and other scenarios where PoE switches need continuous and stable power supply[5].

- Application: Provide stable DC 48V power supply for PoE switches; suitable for indoor office, monitoring room, computer room and other scenarios

- Compatibility: Exclusively for PoE switches that require DC 48V power input, matching 5.5mm x 2.5mm DC power port

- Input & Output Parameters: AC 100-240V (50/60Hz) input, DC 48V 3A output, rated power 120W, conversion efficiency up to 88%

- Design: Wide voltage input (global applicable), 5.5mm x 2.5mm standard DC port, built-in multiple protection functions, compact and portable

- Material: High-quality flame-retardant ABS plastic + high-purity copper wire (flame-retardant, anti-aging, good heat dissipation)

- Function: Convert AC to stable DC, protect PoE switch from overload, short-circuit, over-voltage and over-temperature damage; anti-interference, low energy consumption

## 2. Intended Use

- For providing continuous and stable DC 48V power supply for PoE switches, ensuring the normal operation of PoE switches and their connected devices (such as IP cameras, wireless APs)[7].

- Suitable for IT practitioners, monitoring engineers, office workers and other groups who need to use PoE switches in indoor scenarios (offices, monitoring rooms, computer rooms, etc.).

- Used to replace damaged or mismatched power adapters for PoE switches, ensuring the stable operation of the entire PoE power supply and data transmission system.

- Not for use with non-PoE switch devices (even if the voltage is similar); not for outdoor use (no waterproof function); not for use as a power supply for equipment exceeding 120W rated power; not for disassembly or modification of the product itself.

- Exclusively compatible with PoE switches with DC 48V power input and 5.5mm x 2.5mm power port, not applicable to other voltage or interface types of equipment.

## 3. Safety Instructions

- Before use, check whether the input voltage of the power adapter matches the local power grid voltage (AC 100-240V), and confirm that the output voltage (DC 48V) and port size (5.5mm x 2.5mm) match the PoE switch to avoid equipment damage or safety hazards.

- Do not disassemble, knock, drop or step on the power adapter to avoid damage to the internal circuit, leakage or short circuit; do not use sharp tools to scratch the shell or power cord.

- Keep the power adapter away from water, damp environments and high-temperature areas (such as near stoves, radiators), avoid flame retardant failure, leakage or short circuit caused by moisture and high temperature.

- Keep away from children under 14 years old to prevent accidental electric shock, swallowing small parts (if any) or damage to the product.

- When plugging and unplugging the power adapter, hold the plug (not the power cord) to avoid power cord breakage, leakage or poor contact; unplug the power cord in time when not in use for a long time.

- If the power adapter has abnormal phenomena such as overheating, peculiar smell, smoke or abnormal noise during use, immediately unplug the power cord and stop using it, and contact after-sales service for inspection, do not repair it by yourself.

- Do not use the power adapter with damaged power cord, plug or port to avoid leakage, short circuit or fire hazard; replace the damaged parts in time if necessary.

## 4. How to Use

1. Check that the power adapter, power cord and PoE switch are intact, and confirm that the output parameters and port size of the adapter match the PoE switch.

2. Insert the DC plug (5.5mm x 2.5mm) of the power adapter into the power input port of the PoE switch, and ensure that it is plugged tightly without loose contact.

3. Insert the AC plug of the power adapter into the local power socket (AC 100-240V), and confirm that the connection is firm; the indicator light (if any) of the adapter lights up, indicating that it is working normally.

4. Turn on the PoE switch, and the adapter will provide stable DC 48V 3A power for it, ensuring the normal operation of the switch and its connected devices[7].

5. After use, turn off the PoE switch first, then unplug the AC plug of the power adapter from the power socket, and finally pull out the DC plug from the PoE switch.

6. Place the power adapter in a dry and cool place for storage after use.

## 5. EU Compliance Information

- EU Responsible Person: CET PRODUCT SERVICE LTD.

- Address: Osterholzallee 144, 71636 Ludwigsburg, Germany

- Tel: +497-1416432236

- Email: info.cetservice@gmail.com

- This product complies with EU General Product Safety Regulation (GPSR) and relevant EU electrical safety standards.

## 6. Storage & Maintenance

- Store the power adapter in a dry, cool and ventilated place when not in use; avoid direct sunlight, high temperature, humidity and corrosive environments to prevent aging, deformation or internal circuit damage.

- After use, wipe the surface of the adapter, plug and power cord with a soft dry cloth to remove dust and stains; do not use water, alcohol, gasoline and other corrosive cleaning agents to avoid damaging the shell and internal components.

- Regularly check the power cord, plug and DC port for damage, looseness or oxidation; tighten loose parts in time, and replace damaged parts if necessary to ensure safe use.

- Avoid placing heavy objects on the power adapter or power cord to prevent deformation, breakage or poor contact.

- Store the power adapter with its power cord together to avoid loss, and avoid placing it together with sharp objects to prevent scratches.

## 7. Warranty

Warranty: 180 days from delivery.

The warranty covers quality defects of the power adapter (such as abnormal output voltage, failure of protection functions, loose port, damage to power cord, poor conversion efficiency), not damage caused by improper use, violent collision, falling, disassembly, modification, moisture, high temperature and artificial damage, nor damage to PoE switches or other equipment caused by incorrect use of the adapter.

## Manufacturer / Importer:

Shenzhen Dister Photography Equipment Co., Ltd.

4th Floor, West Block, Building 63, Majialong Industrial Zone, Nanshan District, Shenzhen City

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