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> EPtech 48V AC/DC Adapter Instruction Manual for WS-PS-48v120w and Compatible Devices

EPtech A1807255882

EPtech 48V AC/DC Adapter Instruction Manual

Model: A1807255882

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and effective use of your EPtech 48V AC/DC Adapter. This power supply is designed to provide stable 48V DC power to compatible devices, including various Passive PoE Box Injectors and PoE Switches. It is a replacement adapter compatible with models such as WS-PS-48v120w, LYD4802500, EtherWAN AS-120P-48, PHIHONG PSA120U-480, PSA120U-480L6, PSA120U-480V, PSA120U-480V-R, and Elite Core DM-8 POE Switch.



Image 1.1: EPtech 48V AC/DC Adapter. This image displays the compact design of the power adapter, featuring a standard two-prong plug and a DC output cable.

2. SAFETY INFORMATION

Please read and understand all safety instructions before using this product. Failure to follow these instructions may result in electric shock, fire, or other hazards.

- **Indoor Use Only:** This adapter is designed for indoor use. Do not expose it to rain, moisture, or extreme temperatures.
- **Proper Ventilation:** Ensure adequate ventilation around the adapter during operation to prevent overheating.
- **Avoid Damage:** Do not use the adapter if the cord or plug is damaged. Do not attempt to open or repair the adapter.
- **Voltage Compatibility:** Only connect the adapter to power outlets within the specified input voltage range (100-240VAC).
- **Disconnect When Not in Use:** Unplug the adapter from the power outlet when not in use for extended periods.



Image 2.1: Safety Design with Multiple Protections. This image highlights the adapter's built-in safety features, including Over-Temperature Protection, Over Voltage Protection, Over Current Protection, and Short Circuit Protection, indicated by respective icons.

3. PRODUCT FEATURES

The EPtech 48V AC/DC Adapter is engineered with the following features:

- **Universal Input Voltage:** Supports a wide input voltage range of 100-240VAC, 50/60Hz, for worldwide compatibility.
- **Extended Cable Length:** Features a total power cord length of 10 feet for flexible placement.
- **Robust Safety Features:** Includes Over Current Protection, Total Power Protection, Over Voltage Protection, and Short Circuit Protection to safeguard your devices.
- **Quality Construction:** Manufactured with high-quality materials, ensuring durability and reliable performance.
- **Certifications:** Complies with FCC, CE, and RoHS standards.

- **High-Quality Power Cable:** The cable features high-quality copper wire and a durable PVC insulation jacket for efficient power delivery and longevity.
- **Durable & Compact Design:** Designed for safe, durable operation and a compact form factor suitable for various environments.

High Quality Power Cable Design



Image 3.1: High Quality Power Cable Design. This image illustrates the internal structure of the power cable, highlighting the high-quality copper wire conductors and the protective PVC insulation jacket.

Durable & Compact Design



Image 3.2: Durable & Compact Design. This image showcases the adapter's robust construction and small footprint, emphasizing its suitability for home, office, and travel use.

4. SETUP

Follow these steps to set up your AC/DC adapter:

1. **Verify Compatibility:** Ensure your device requires a 48V DC power input and that the adapter's connector type matches your device.
2. **Connect to Device:** Plug the DC output connector of the adapter firmly into the power input port of your device.
3. **Connect to Power Outlet:** Insert the AC plug of the adapter into a standard 100-240VAC wall outlet.
4. **Power On:** Your device should now receive power. If your device has a power switch, turn it on.

5. OPERATING INSTRUCTIONS

The EPtech 48V AC/DC Adapter operates as a plug-and-play device. Once connected correctly, it will continuously supply power to your compatible device.

- Ensure the adapter is placed in a location with good airflow to prevent heat buildup.
- Do not cover the adapter with cloths or other materials during operation.
- Avoid placing the adapter near heat sources or in direct sunlight.

6. MAINTENANCE

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

- **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 aerosols.
- **Storage:** Store the adapter in a cool, dry place when not in use. Avoid wrapping the cable too tightly around the adapter.
- **Inspection:** Periodically inspect the power cord and adapter casing for any signs of damage. If damage is found, discontinue use and replace the adapter.

7. TROUBLESHOOTING

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

- **No Power to Device:**
 - Ensure the adapter is securely plugged into a working wall outlet.
 - Check that the DC connector is firmly inserted into your device's power port.
 - Test the wall outlet with another device to confirm it is supplying power.
 - Verify that your device's power switch (if any) is in the 'ON' position.
- **Device Not Functioning Correctly:**
 - Confirm that your device is compatible with a 48V DC power supply. Using an incorrect voltage can damage your device.
 - Ensure the adapter's current output capacity meets or exceeds your device's power requirements.
- **Adapter Overheating:**
 - Unplug the adapter immediately.
 - Ensure it is not covered and has sufficient ventilation.
 - If overheating persists after ensuring proper ventilation, discontinue use and contact support.

8. SPECIFICATIONS

Model Number	A1807255882
Input Voltage	100-240VAC, 50/60Hz
Output Voltage	48V DC (Specific amperage not provided, refer to product label)
Cord Length	10 feet (approx. 3 meters)
Item Weight	8 ounces (approx. 227 grams)
Certifications	FCC, CE, RoHS
Manufacturer	EPtech

9. WARRANTY AND SUPPORT

For any questions, concerns, or technical support regarding your EPtech 48V AC/DC Adapter, please contact our customer service team.

Email: epcustomerservice@yahoo.com

Please have your product model number (A1807255882) available when contacting support to expedite assistance.