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› PartsStorm ENP-3927B 275W 80PLUS Certified Industrial Power Supply User Manual

## PartsStorm ENP-3927B

# PartsStorm ENP-3927B 275W Industrial Power Supply User Manual

## 1. INTRODUCTION

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This manual provides essential instructions for the safe and efficient installation, operation, and maintenance of your PartsStorm ENP-3927B 275W 80PLUS Certified Industrial Power Supply. Please read this manual thoroughly before using the product and retain it for future reference.

## 2. SAFETY INFORMATION

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- **Electrical Hazard:** This power supply operates with high voltages. Do not open the power supply casing. There are no user-serviceable parts inside.
- **Qualified Personnel:** Installation and servicing should only be performed by qualified technicians.
- **Ventilation:** Ensure adequate airflow around the power supply. Do not block ventilation openings.
- **Moisture:** Keep the power supply away from water, humidity, and damp environments.
- **Grounding:** Always ensure the power supply and the system it powers are properly grounded.
- **Power Disconnection:** Disconnect the power cord from the wall outlet before installing, removing, or cleaning the power supply.

## 3. PRODUCT OVERVIEW

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The PartsStorm ENP-3927B is an 80PLUS certified 275W power supply designed for industrial chassis. It features Active PFC for improved power efficiency and a silent cooling method. Its SFX form factor makes it suitable for compact industrial systems.





Image 2: Close-up of the power supply's label, displaying model number ENP-3927B, 275W rating, 80PLUS certification, and electrical input/output specifications.

## 4. SETUP AND INSTALLATION

Follow these steps to install the power supply into your industrial chassis:

- 1. Preparation:** Ensure your computer system is completely powered off and unplugged from the wall outlet.
- 2. Mounting:** Carefully insert the ENP-3927B power supply into the designated SFX power supply bay within your industrial chassis. Secure it using the appropriate screws provided with your chassis or power supply.
- 3. Motherboard Connection:** Connect the main ATX 20+4 pin power connector from the power supply to the corresponding port on your motherboard. Ensure it clicks securely into place.
- 4. CPU Power:** Connect the 4-pin or 8-pin CPU power connector (if applicable) to the CPU power port on your motherboard.
- 5. Peripheral Connections:** Connect SATA power connectors to your storage drives (HDDs, SSDs) and optical drives. Connect Molex connectors to any other peripherals requiring them.
- 6. Cable Management:** Route cables neatly to ensure proper airflow and prevent interference with other components.
- 7. Final Check:** Double-check all connections to ensure they are firm and correctly seated.
- 8. Power On:** Plug the AC power cord into the power supply and then into a grounded wall outlet. Turn on your system.

## 5. OPERATING INSTRUCTIONS

Once installed, the PartsStorm ENP-3927B power supply operates automatically with your system. It provides stable power to all connected components. The 80PLUS certification ensures efficient power conversion, reducing heat and energy waste.

- **Power On/Off:** The power supply will power on and off in conjunction with your computer system's power button.
- **Fan Operation:** The integrated fan provides air cooling. Its speed may vary based on the power supply's load and internal temperature to maintain optimal operating conditions and silent operation.

## 6. MAINTENANCE

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Regular maintenance helps ensure the longevity and optimal performance of your power supply:

- **Dust Removal:** Periodically, and with the system powered off and unplugged, use compressed air to gently clean dust from the power supply's fan and ventilation grilles. Excessive dust can impede cooling and reduce efficiency.
- **Cable Inspection:** Occasionally inspect power cables for any signs of wear, fraying, or damage. Replace damaged cables immediately.
- **Environment:** Ensure the operating environment remains within recommended temperature and humidity ranges to prevent stress on components.

## 7. TROUBLESHOOTING

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If you encounter issues with your power supply, consider the following troubleshooting steps:

- **No Power:**
  - Ensure the power cord is securely plugged into both the power supply and the wall outlet.
  - Verify the wall outlet is functional by plugging in another device.
  - Check all internal power connections (motherboard, CPU, peripherals) are firmly seated.
- **System Instability/Random Shutdowns:**
  - This could indicate an overloaded power supply or a faulty unit. Ensure your system's power requirements do not exceed 275W.
  - Check for proper ventilation and ensure the power supply fan is operating. Overheating can cause instability.
- **Unusual Noises:**
  - A grinding or loud fan noise may indicate a failing fan. Ensure the system is clean of dust. If the noise persists, consider professional inspection.

If these steps do not resolve the issue, contact customer support or a qualified technician.

## 8. SPECIFICATIONS

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Feature	Specification
Brand	PartsStorm
Model Number	ENP-3927B (TMSerFan_11001)
Output Wattage	275 Watts
Form Factor	SFX
Efficiency Certification	80PLUS Certified
PFC Type	Active PFC
Connector Type	ATX
Cooling Method	Air
Maximum Input Voltage	264 Volts (AC)

## 9. WARRANTY AND SUPPORT

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For warranty information and technical support, please refer to the documentation provided with your purchase or visit the official PartsStorm website. Keep your proof of purchase for warranty claims.

For further assistance, you may contact PartsStorm customer service through their official channels.