

Compaq PS-5341-4CF, 349774-001, 349987-001

HP/Compaq 340W Power Supply Unit (PSU) Instruction Manual

Models: PS-5341-4CF, 349774-001, 349987-001

1. INTRODUCTION

This manual provides essential instructions for the safe and effective installation, operation, and maintenance of your HP/Compaq 340W Power Supply Unit (PSU). This PSU is designed for use with specific HP Business desktop systems, including the DC7100 Convertible Minitor and DX6120 Microtower series. Please read this manual thoroughly before proceeding with installation or use.

2. SAFETY INFORMATION

WARNING: To prevent electric shock and damage to the equipment, always observe the following safety precautions:

- **Do not remove the cover of the power supply unit.** There are no user-serviceable components inside. Opening the unit can expose you to hazardous voltages.
- Ensure the computer is completely powered off and disconnected from the main power outlet before installing or removing the PSU.
- Handle the PSU by its casing, avoiding contact with internal components or circuit boards.
- This product is intended for use with commercial information technology equipment and for indoor use only.
- Verify that the voltage rating of the PSU matches the local power supply.



Figure 2.1: Side view of the PSU showing the warning label. The label explicitly states not to remove the cover as there are no user-serviceable parts inside, indicating a hazardous area.

3. PRODUCT OVERVIEW

The HP/Compaq 340W Power Supply Unit (PSU) is a critical component designed to provide stable and reliable power to your compatible HP Business desktop computer. It delivers a maximum output of 340 Watts and features various connectors to power the motherboard, storage drives, and other peripherals.

Key Features:

- **Model Numbers:** PS-5341-4CF, 349774-001, 349987-001
- **Output Wattage:** 340 Watts
- **Compatibility:** HP Business DC7100 Convertible Minitower, HP Business DX6120 Microtower
- **Connector Types:** Includes 24-pin ATX, 4-pin CPU, SATA, Molex, and Floppy connectors.



Figure 3.1: Rear view of the PSU, showing the cooling fan and the AC power input socket. This side is typically exposed at the back of the computer case.



Figure 3.2: Side view of the PSU, illustrating the various power cables bundled together. These cables connect to the motherboard and other internal components.

4. SETUP (INSTALLATION)

Follow these steps carefully to install the power supply unit into your compatible HP Business desktop system.

1. Prepare the System:

- Power off your computer completely.
- Unplug the power cord from the wall outlet and from the back of the computer.
- Open the computer case according to your computer's specific instructions.
- If replacing an existing PSU, disconnect all power cables from the motherboard, drives, and other components. Remove the old PSU from the case.

2. Install the New PSU:

- Carefully slide the new HP/Compaq 340W PSU into the designated bay in your computer case.
- Secure the PSU to the computer case using the appropriate screws. Ensure it is firmly mounted.

3. Connect Power Cables:

- Connect the 24-pin ATX power connector to the main power socket on your motherboard.
- Connect the 4-pin CPU power connector to the corresponding socket on your motherboard.
- Connect SATA power connectors to your hard drives, SSDs, and optical drives.
- Connect Molex and Floppy power connectors to any other compatible peripherals as needed.
- Ensure all connections are secure and properly seated. Avoid forcing connectors.

4. Close the Case:

- Route cables neatly to improve airflow and prevent interference with other components.
- Close the computer case and secure it.

5. Final Connection:

- Plug the computer's power cord back into the PSU and then into a grounded wall outlet.

5. OPERATING INSTRUCTIONS

After successful installation, operating the PSU is straightforward:

1. Ensure all connections are secure and the power cord is plugged in.
2. Press the power button on your computer. The PSU will automatically provide power to the system components.
3. The PSU's internal fan will operate to maintain optimal temperature during use.

6. MAINTENANCE

Proper maintenance can extend the lifespan of your PSU and ensure stable system operation.

- **Dust Removal:** Periodically (e.g., every 6-12 months), open your computer case and gently clean dust from the PSU's fan and vents using compressed air. Ensure the computer is powered off and unplugged before cleaning.
- **Clear Airflow:** Ensure that the computer's ventilation openings, especially around the PSU, are not obstructed. Good airflow is crucial for cooling.
- **No User Servicing:** As stated in the safety information, the PSU contains no user-serviceable parts. Do not attempt to open or repair the unit. If the PSU malfunctions, it should be replaced by a qualified technician.

7. TROUBLESHOOTING

If you encounter issues after installing the PSU, consider the following troubleshooting steps:

- **No Power to System:**
 - Verify that the power cord is securely plugged into both the PSU and a working wall outlet.
 - Check that the 24-pin and 4-pin motherboard power connectors are fully seated.
 - Test the wall outlet with another device to ensure it has power.
- **System Instability/Random Shutdowns:**
 - Ensure all power connections to components (motherboard, drives, graphics card if applicable) are secure.
 - Check for proper ventilation and ensure the PSU fan is spinning. Overheating can cause instability.
 - If the issue persists, the PSU may be faulty or insufficient for your system's power demands (though this 340W unit is designed for specific HP systems).
- **Unusual Noises:**
 - A grinding or loud fan noise may indicate a failing fan. If the noise is excessive, consider replacing the PSU.

If troubleshooting steps do not resolve the issue, contact a qualified computer technician for assistance.

8. SPECIFICATIONS

Feature	Specification
Model Numbers	PS-5341-4CF, 349774-001, 349987-001
Brand	Compaq
Output Wattage	340 Watts
Input Voltage	100-240 Volts
Current Rating	6 Amps
Compatible Devices	Personal Computer (HP Business DC7100, DX6120)
Connector Types	24-pin, 4-pin, Floppy, Molex, SATA
Cooling Method	Air
Item Dimensions (L x W x H)	13.2 x 11.5 x 7.8 inches
Item Weight	3 Pounds
Manufacturer	HP/Compaq

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service for your HP/Compaq 340W Power Supply Unit, please refer to the original product documentation provided with your computer system or visit the official HP/Compaq support website. Keep your purchase receipt and product model numbers handy when contacting support.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question