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> Compaq 384413-B21 870W Power Supply for DL585 User Manual

## Compaq 384413-B21

# Compaq 384413-B21 870W Power Supply for DL585 User Manual

Model: 384413-B21 | Brand: Compaq

## 1. INTRODUCTION

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This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Compaq 384413-B21 870W Power Supply. This power supply unit (PSU) is specifically designed for use with HP ProLiant DL585 series servers. Please read this manual thoroughly before attempting any installation or operation.



Figure 1: Compaq 384413-B21 870W Power Supply Unit. This image displays the external view of the power supply, highlighting its form factor and connector layout.

## 2. SAFETY INFORMATION

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Always observe the following safety precautions to prevent injury and damage to the equipment:

- Ensure the server is powered off and disconnected from the main power source before installation or removal.
- Only qualified personnel should perform installation and service procedures.
- Avoid contact with internal components when the unit is powered on.
- Do not operate the power supply in environments with excessive moisture or extreme temperatures.
- Use only specified cables and connectors.

## 3. SETUP AND INSTALLATION

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Follow these steps to properly install the 384413-B21 power supply into your DL585 server:

1. **Prepare the Server:** Power down the HP ProLiant DL585 server completely and unplug all power cords from the electrical outlets.
2. **Access the Power Supply Bay:** Depending on your server model, you may need to open the server chassis or slide out the power supply bay. Refer to your server's documentation for specific instructions.
3. **Remove Old Power Supply (if applicable):** If replacing an existing power supply, disconnect any cables attached to it and release any locking mechanisms. Carefully slide the old power supply out of its bay.
4. **Install New Power Supply:** Gently slide the Compaq 384413-B21 power supply into the designated bay until it clicks into place or is securely seated. Ensure all connectors align correctly.
5. **Connect Power Cables:** Connect the server's internal power cables to the new power supply. Ensure a firm connection.
6. **Secure the Server:** Close the server chassis or secure the power supply bay.
7. **Reconnect External Power:** Plug the server's power cords back into the electrical outlets.
8. **Power On:** Power on the server and verify that the power supply status indicators are normal.

## 4. OPERATING INSTRUCTIONS

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The Compaq 384413-B21 870W Power Supply operates automatically once installed and connected. It provides stable power to the server components. No direct user interaction is typically required for its operation.

- **Power Indicators:** Observe the LED indicators on the power supply unit. A solid green light typically indicates normal operation. Refer to your server's documentation for specific LED status meanings.
- **Redundancy:** If your server supports redundant power supplies, ensure both units are properly installed and functioning for continuous operation in case of a single power supply failure.

## 5. MAINTENANCE

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Proper maintenance ensures the longevity and reliability of your power supply:

- **Dust Removal:** Periodically inspect the power supply and server for dust accumulation. Use compressed air to gently clean vents and fan areas to ensure proper airflow. *Ensure the server is powered off and unplugged before cleaning.*
- **Environmental Conditions:** Maintain the server in a clean, dry, and temperature-controlled environment. Avoid extreme heat, cold, or humidity.
- **Cable Management:** Ensure all power cables are securely connected and not obstructing airflow within the server.

chassis.

## 6. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Power supply LED is off.	No power input; faulty power supply; loose connection.	<p>Check if the power cord is securely plugged into both the power supply and the electrical outlet.</p> <p>Verify the electrical outlet is functional.</p> <p>Ensure the server's internal power cables are correctly connected.</p> <p>If issues persist, the power supply may be faulty and require replacement.</p>
Server does not power on.	Insufficient power; faulty power supply; other server component failure.	<p>Confirm the power supply is correctly installed and receiving power (check LED).</p> <p>If multiple power supplies are present, check their status.</p> <p>Test with a known good power supply if available.</p> <p>Consult the server's diagnostic tools or documentation for other component failures.</p>
Unusual noise from power supply.	Fan malfunction; internal component issue.	<p>Power off the server and inspect the power supply fan for obstructions.</p> <p>If the noise persists after cleaning, the fan or power supply may be failing and require replacement.</p>

For further assistance, refer to your HP ProLiant DL585 server's official documentation or contact technical support.

## 7. SPECIFICATIONS

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Feature	Detail
Model Number	384413-B21
Brand	Compaq
Power Output	870 Watts
Compatibility	HP ProLiant DL585 Series Servers
Input Voltage	(Typically auto-sensing, consult server manual for specifics)
Form Factor	Hot-Plug Redundant Power Supply

## 8. WARRANTY AND SUPPORT

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This Compaq 384413-B21 870W Power Supply is typically covered by the warranty terms provided by the original vendor or reseller at the time of purchase. Please retain your proof of purchase for warranty claims.

- **Warranty Period:** Varies by vendor. Refer to your purchase documentation.
- **Technical Support:** For technical assistance, contact the vendor or reseller from whom the product was purchased. You may also refer to the official HP (now HPE) support website for documentation related to the DL585 server series.
- **Online Resources:** Visit [HPE Support](#) for server-related documentation and drivers.