

Delta DPS-750EB A

Delta DPS-750EB A D20850-006 750 Watt Power Supply User Manual

Model: DPS-750EB A

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your Delta DPS-750EB A D20850-006 750 Watt Power Supply. This power supply unit (PSU) is designed for server applications, offering reliable power delivery with a 750-watt output capacity.

2. SAFETY INFORMATION

WARNING: Improper installation or use can result in electric shock, fire, or damage to the equipment. Always follow these safety guidelines.

- **Grounding:** Connect only to a properly earth grounded outlet. The apparatus must be connected to a mains socket outlet with a protective earthing connection.
- **Voltage:** Ensure the input voltage matches the specifications on the power supply label (100-127V~ or 200-240V~).
- **Professional Installation:** Installation should be performed by qualified personnel.
- **Ventilation:** Do not block ventilation openings. Ensure adequate airflow around the unit to prevent overheating.
- **Moisture:** Do not expose the power supply to moisture or liquids.
- **Servicing:** Do not open the power supply casing. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.

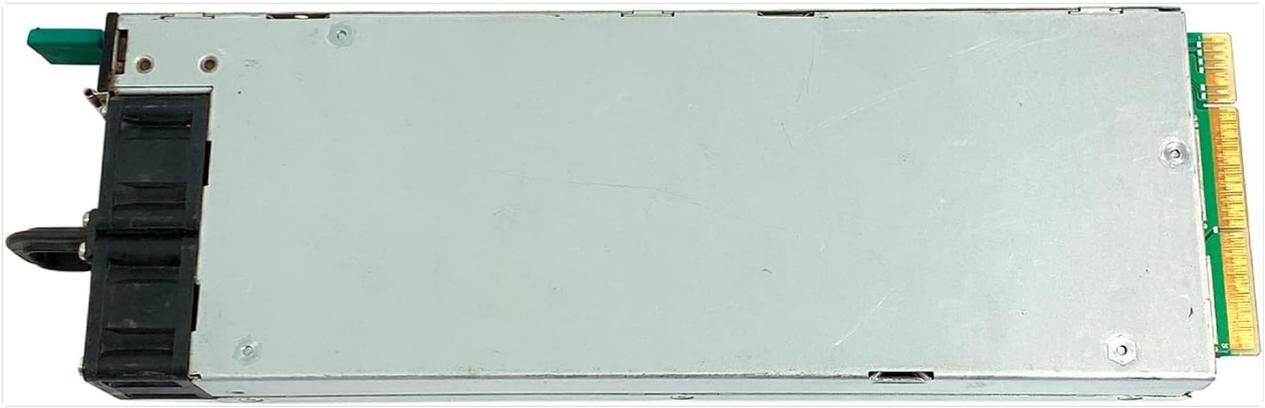


Image 2.1: Product label showing input voltage, output wattage, and safety warnings. Note the grounding requirement: "Connect only to a properly earth grounded outlet."

3. PRODUCT OVERVIEW

The Delta DPS-750EB A is a robust 750-watt power supply designed for server environments. It features a semi-modular design, allowing for flexible cable management. The unit includes active cooling with integrated fans to maintain optimal operating temperatures.



Image 3.1: Front view of the Delta DPS-750EB A power supply, showcasing its compact form factor.

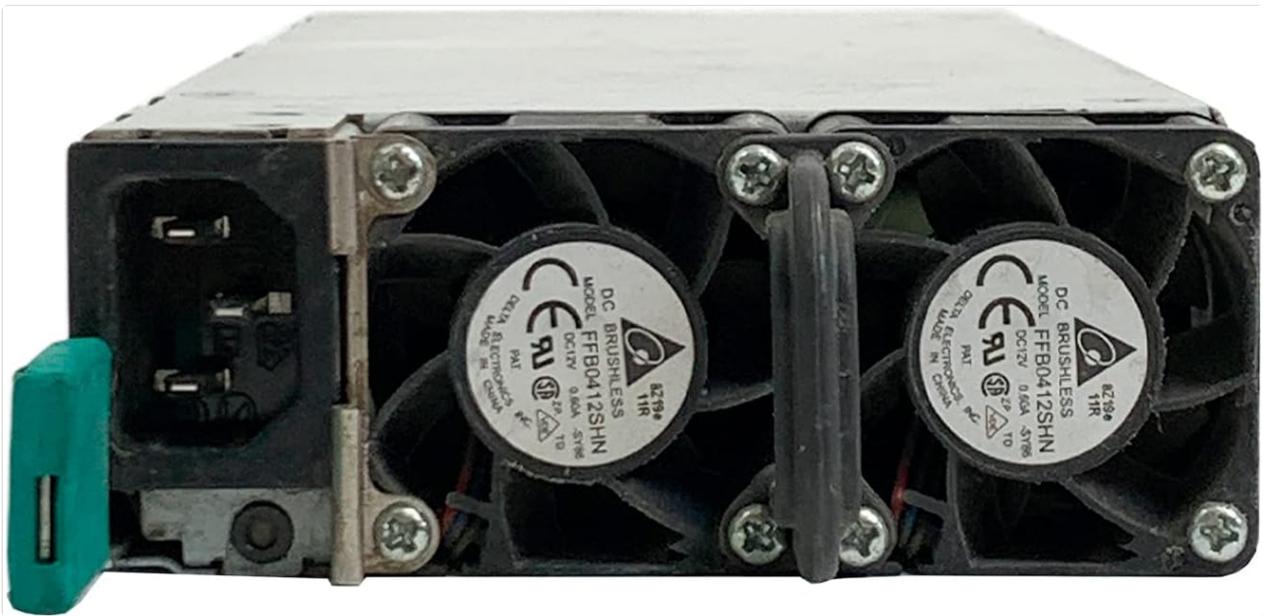


Image 3.2: Rear view of the power supply, showing the dual cooling fans and the AC power input connector.

4. SETUP AND INSTALLATION

1. **Unpacking:** Carefully remove the power supply from its packaging. Inspect for any visible damage.
2. **Preparation:** Ensure the server system is powered off and disconnected from the main power outlet.
3. **Mounting:** Install the power supply into the designated bay within your server chassis. Secure it using the appropriate screws.
4. **Cable Connections:** Connect the necessary power cables (e.g., motherboard, CPU, peripherals) from the power supply to the corresponding components. The semi-modular design allows you to connect only the cables you need.
5. **AC Power Connection:** Connect the AC power cord to the power supply's input port and then to a properly grounded wall outlet.

5. OPERATING INSTRUCTIONS

1. **Initial Power-On:** After all connections are secure, power on your server system.
2. **System Check:** Verify that all components are receiving power and functioning correctly. Listen for normal fan operation from the power supply.
3. **Normal Operation:** The power supply will operate continuously as long as the server system is powered on. The internal fans will adjust speed based on temperature and load to maintain optimal cooling.

6. MAINTENANCE

- **Dust Removal:** Periodically inspect the power supply's fan vents for dust accumulation. Use compressed air to gently clean the vents and fan blades to ensure unrestricted airflow. Perform this with the system powered off and unplugged.
- **Cable Inspection:** Regularly check all power cables for signs of wear, fraying, or loose connections. Replace any damaged cables immediately.
- **Environment:** Ensure the server operates in a clean, dry, and well-ventilated environment to prevent dust buildup and overheating.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
System does not power on.	Loose power cable, faulty outlet, power supply failure.	Check all power connections. Test the outlet with another device. If issues persist, consult a technician.
System powers on but is unstable/shuts down.	Overheating, insufficient power, component failure.	Ensure proper ventilation. Verify power supply wattage meets system requirements. Check for component errors.
Loud fan noise from PSU.	Dust accumulation, high load, fan malfunction.	Clean fan vents. Ensure system is not under excessive load. If noise is abnormal, consider professional inspection.

8. SPECIFICATIONS

Feature	Specification
Model Name	DPS-750EB A
Brand	Delta
Compatible Devices	Server
Output Wattage	750 Watts
Form Factor	ATX
Cooling Method	Air (1 Fan)
Power Supply Design	Semi-Modular
Minimum Input Voltage	100 Volts (AC)
Maximum Input Voltage	230 Volts (AC)
Upper Temperature Rating	50 Degrees Celsius
Item Weight	5 Pounds
P/N	D20850-006
S/N	DLD0902003838

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact Delta Electronics directly. Keep your purchase receipt and product serial number ([DLD0902003838](#)) readily available when contacting support.

