**FSP FSP300-60THA**

# FSP Group FSP300-60THA 300W ATX Power Supply Instruction Manual

Model: FSP300-60THA | P/N: 9PA3007715

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of your FSP Group FSP300-60THA 300W ATX Power Supply. Please read this manual thoroughly before use and retain it for future reference.

## 2. SAFETY INFORMATION

Adhere to the following safety guidelines to prevent injury or damage to the product and your system:

- **WARNING:** Do not open the power supply unit. There are no user-serviceable components inside. Opening the unit voids the warranty and poses a risk of electric shock.
- Ensure the power supply is disconnected from the AC outlet before installation or maintenance.
- Install the power supply in a well-ventilated area to prevent overheating.
- Do not expose the unit to moisture or extreme temperatures.

## 3. PRODUCT OVERVIEW

The FSP300-60THA is a reliable 300W ATX power supply designed for personal computer systems.

*This image displays the FSP Group FSP300-60THA 300W ATX Power Supply, showcasing its compact form factor, rear fan, and power input socket. The unit features a standard grey metal casing with various cables bundled at the front.*

## 4. TECHNICAL SPECIFICATIONS

| Feature | Specification |
| --- | --- |
| Model | FSP300-60THA |
| Part Number | 9PA3007715 |
| Manufacturer | FSP Group |
| Form Factor | ATX |
| Output Wattage | 300W |
| AC Input | 115/220-240V~, 7/3.5A, 60/50Hz |
| DC Output (+3.3V) | 20.0A |
| DC Output (+5V) | 20.0A |
| DC Output (+12V1) | 8.0A |
| DC Output (+12V2) | 14.0A |
| DC Output (-12V) | 0.8A |
| DC Output (+5Vsb) | 2.0A |

| Feature | Specification |
|---|---|
| Cooling Method | Air (1 Fan) |
| Approx. Package Dimensions | 12 x 10 x 9 inches |
| Approx. Item Weight | 6 pounds |



*This close-up image shows the rating label on the FSP300-60THA power supply. It details the model number, AC input voltage and current, DC output voltages and amperages for each rail (+3.3V, +5V, +12V1, +12V2, -12V, +5Vsb), and various safety certifications including UL, CSA, TÜV Rheinland, and CB.*

## 5. CONNECTORS

The FSP300-60THA power supply includes the following connectors:

- 1x 20+4 Pin ATX Motherboard Connector
- 1x 4-Pin ATX CPU Power Connector
- Multiple SATA Power Connectors (for hard drives, SSDs, optical drives)
- Multiple 4-Pin Molex Peripheral Connectors
- 1x Floppy Drive Power Connector (FDD)
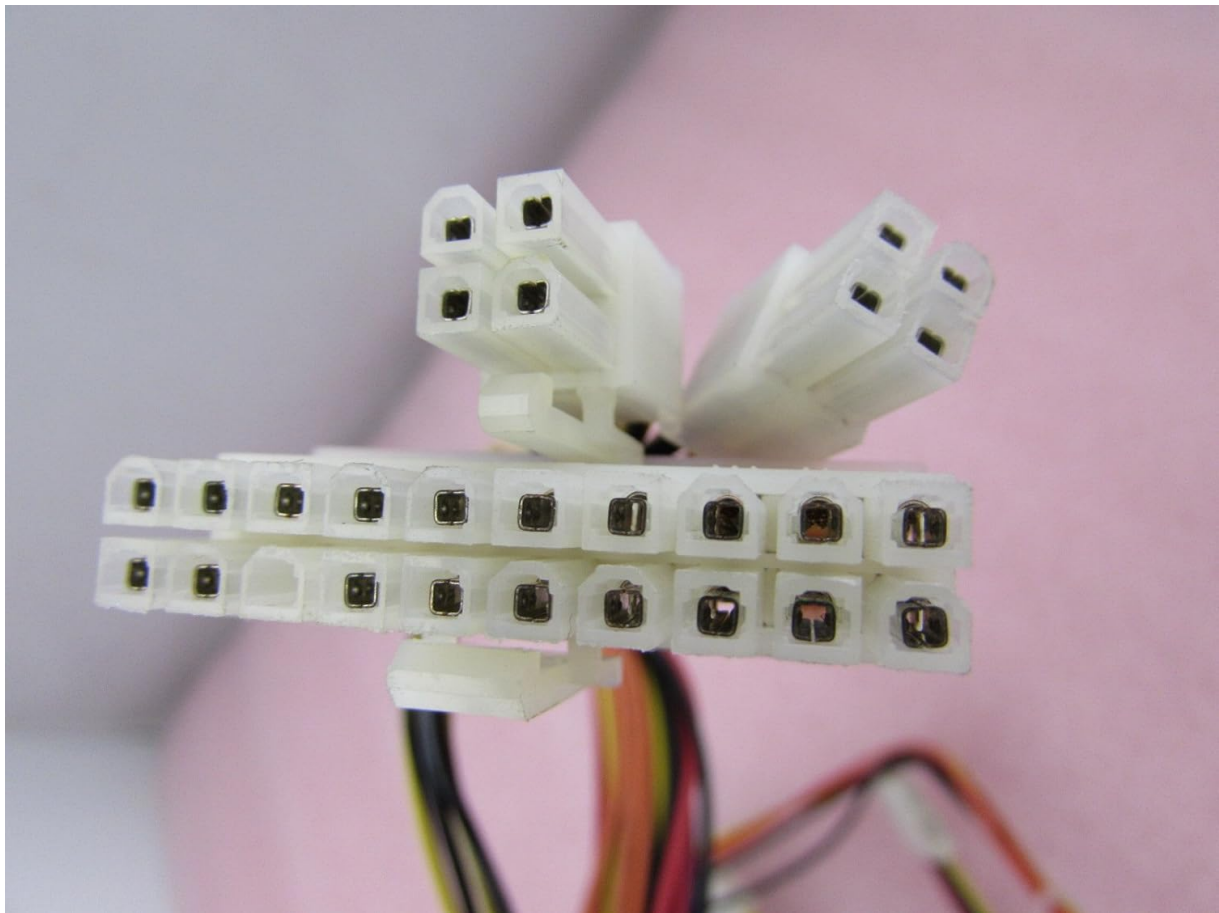
*This image displays the various power connectors extending from the FSP300-60THA power supply. Visible connectors include the main 20+4 pin ATX motherboard connector, a 4-pin CPU power connector, multiple SATA power connectors for storage devices, and 4-pin Molex peripheral connectors.*

## 6. SETUP AND INSTALLATION

Follow these steps to properly install your FSP300-60THA power supply:

1. **Prepare Your System:** Ensure your computer case is open and accessible. Disconnect all power cables from your existing power supply and remove it if necessary.
2. **Install the Power Supply:** Carefully place the FSP300-60THA into the designated power supply bay in your computer case. Secure it with the provided screws.
3. **Connect Motherboard Power:** Connect the 20+4 pin ATX connector to your motherboard's main power socket. Ensure it is firmly seated.
4. **Connect CPU Power:** Connect the 4-pin ATX CPU power connector to the corresponding socket on your motherboard.
5. **Connect Peripherals:** Use the SATA power connectors for hard drives, SSDs, and optical drives. Use Molex connectors for other compatible peripherals. Connect the FDD connector if required.
6. **Cable Management:** Route cables neatly to improve airflow and aesthetics. Use cable ties if necessary.
7. **Close the Case:** Once all connections are secure, close your computer case and fasten any panels.
8. **Connect AC Power:** Plug the AC power cord into the power supply and then into a grounded wall outlet.

## 7. OPERATING INSTRUCTIONS

Basic operation of the power supply is straightforward:

- To power on your system, press the power button on your computer case. The power supply will automatically begin providing power to your components.
- To power off your system, shut down your operating system normally. The power supply will cease operation once the system is fully off.
- For a hard shutdown, disconnect the AC power cord from the wall outlet or flip the power switch on the back of the power supply to the OFF position. Only do this in emergencies to prevent data loss or component damage.

## 8. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your power supply:

- **Cleaning:** Periodically clean the exterior of the power supply and its fan grille to prevent dust buildup, which can impede airflow and lead to overheating. Use compressed air or a soft brush. Ensure the power supply is disconnected from power before cleaning.
- **Ventilation:** Ensure adequate ventilation around your computer case. Do not block the air intake or exhaust vents of the power supply.
- **Cable Inspection:** Regularly check all power cables for any signs of wear, fraying, or damage. Replace damaged cables immediately.

## 9. TROUBLESHOOTING

Refer to the table below for common issues and their solutions:

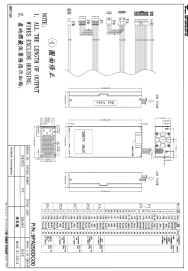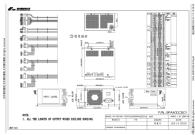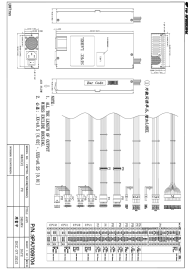| Problem | Possible Cause | Solution |
| --- | --- | --- |
| System does not power on | No power to PSU | Check AC power cord connection, wall outlet, and power switch on PSU. |
| System powers on but no display | Loose connections | Ensure all power connectors (20+4 pin, 4-pin CPU, GPU) are firmly seated. |
| System randomly shuts down | Overheating or insufficient power | Check for proper ventilation. Verify total system wattage requirements against PSU output. |
| Fan not spinning | Fan failure or low load | Fan may not spin at low loads (if semi-passive). If no spin at high load, contact support. |
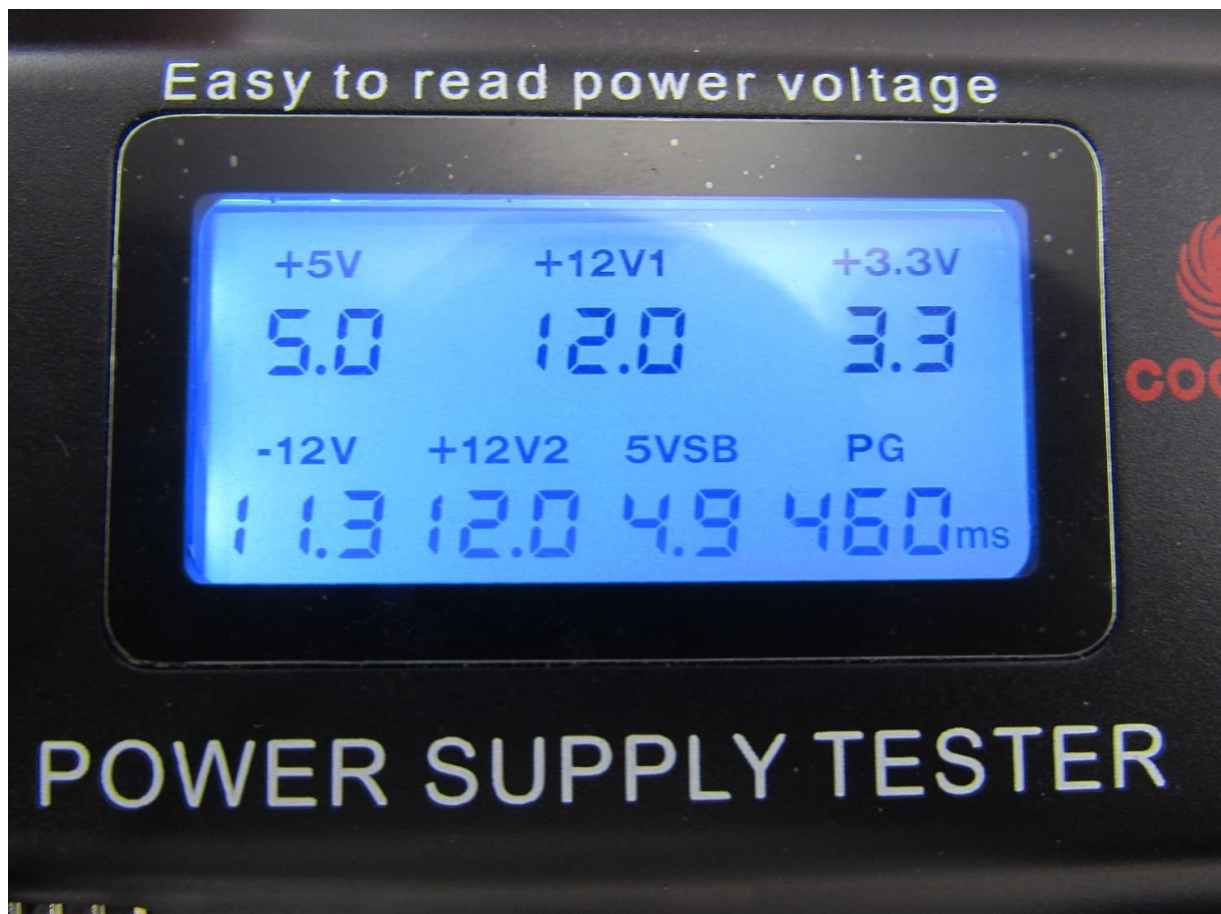
*This image shows a power supply tester connected to a PSU, displaying voltage readings for +5V, +12V1, +3.3V, -12V, +12V2, 5VSB, and PG. This tool is useful for diagnosing power supply issues by verifying that all voltage rails are within acceptable limits.*

## 10. WARRANTY AND SUPPORT

FSP Group provides a limited warranty for this product. Please refer to the warranty card included with your purchase or visit the official FSP Group website for detailed warranty terms and conditions.
For technical support, product inquiries, or warranty claims, please contact FSP Group customer service through their official channels. Contact information can typically be found on the manufacturer's website or on the product packaging.

**Related Documents - FSP300-60THA**

[FSP300-70AGGBM(M) Power Supply Assembly Diagram & Wiring Specs | FSP Technology Inc](). View detailed assembly diagrams and wiring specifications for the FSP300-70AGGBM(M) power supply unit by FSP Technology Inc. Includes pinouts, wire colors, and lengths.



[FSP Power Supply Manual: Installation, Connectors, Warranty, and Troubleshooting]()
This comprehensive manual from FSP provides detailed instructions for installing and connecting your power supply unit (PSU), explains connector pinouts, outlines the warranty policy, offers troubleshooting guidance, and covers WEEE and RoHS compliance information.



[FSP 9PA250DC00 Mechanical Drawing and Pinout Specifications]()
Detailed mechanical drawing and pinout specifications for the FSP 9PA250DC00 power supply unit, including wire assignments, dimensions, and model information from FSP Group.



[FSP 9PA400CB01 Power Supply Assembly Diagram and Pinout]()
Detailed assembly diagram and pinout information for the FSP 9PA400CB01 power supply unit, including connector specifications, wire details, and dimensions. Model FSP400-70PFL (SK).



[FSP100-50FAB Power Supply Appearance and Wiring Diagram]()
Technical specifications and assembly details for the FSP100-50FAB power supply unit by FSP Technology Inc. Includes detailed wiring information, connector pinouts, wire colors, gauge, lengths, and dimensional data.



[FSP700-50UEB Power Supply Assembly and Wiring Diagram]()
Detailed assembly and wiring diagram for the FSP700-50UEB power supply unit, including physical dimensions, connector pinouts, wire specifications, and manufacturing details from FSP TECHNOLOGY INC. This document outlines the internal wiring harness and component connections.