

POWER SUPPLY

Reliable High-Performance Dual Fan
450 Watt ATX 12V Power Supply

ATXPOW450DF

Instruction Guide



*Serial***ATA**
ready

StarTech.com



FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

Technical Support

The following technical resources are available for this StarTech.com product:

On-line help:

We are constantly adding new information to the *Tech Support* section of our web site. To access this page, click the *Tech Support* link on our homepage, www.startech.com. In the tech support section there are a number of options that can provide assistance with this device.

Knowledge Base - This tool allows you to search for answers to common issues using key words that describe the product and your issue.

FAQ - This tool provides quick answers to the top questions asked by our customers.

Downloads - This selection takes you to our driver download page where you can find the latest drivers for this product.

Call StarTech.com tech support for help:

USA/Canada: 1-519-455-4931

UK/Ireland/Europe: 00-800-7827-8324

Support hours: Monday to Friday 9:00AM to 5:00PM EST (except holidays)

Warranty Information

This product is backed by a two-year warranty. In addition StarTech.com warrants its products against defects in materials and workmanship for the periods noted, following the initial date of purchase. During this period, the products may be returned for repair, or replacement with equivalent products at our discretion. The warranty covers parts and labor costs only. StarTech.com does not warrant its products from defects or damages arising from misuse, abuse, alteration, or normal wear and tear.

Limitation of Liability

In no event shall the liability of StarTech.com Ltd. and StarTech.com USA LLP (or their officers, directors, employees or agents) for any damages (whether direct or indirect, special, punitive, incidental, consequential, or otherwise), loss of profits, loss of business, or any pecuniary loss, arising out of or related to the use of the product exceed the actual price paid for the product.

Some states do not allow the exclusion or limitation of incidental or consequential damages. If such laws apply, the limitations or exclusions contained in this statement may not apply to you.

Product Specifications

Dimensions	5.9 x 3.35 x 5.87 Inches (150 x 85 x 149mm)
Enclosure Color	Gold
Output Power	500W
Fan Type	2 x 8 cm ball-bearing
Connectors	6 x 4-pin LP4 (Hard drives) 2 x 4-pin SP4 small internal power (Floppy drives) 1 x 20-pin ATX motherboard adapter 1 x 4-pin extended ATX power 12V plug 1 x 6-pin Aux plug 2 x 15-pin Serial ATA 1 x TX3 fan sensor
MTBF	100,000 Hours @ 25°C
Safety Approvals	TUV, UL, CSA, CE, FCC Class B
AC INPUT	Voltage 115V~ Current 10A Voltage 230V~ Current 5.5A Frequency 50~60Hz
DC OUTPUT	+3.3V (30A) +5V(45A) +12V(22A) -5V(0.5A) -12V(1A) +5VSB(2.5A)

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Introduction

Thank you for buying a StarTech.com dual-fan 450-Watt heavy-duty power supply. Guaranteed compatible with high-end Intel and AMD processors, the high-quality ATXPOW450DF is a reliable way to ensure that optimum power is delivered your computer's demanding components. You can adjust the speed of the two ball-bearing fans so you can set your optimum balance of sound and cooling. This power supply comes Serial ATA ready with two SATA connectors.

Features

- Ideal for Pentium II, III and 4, and AMD K6 and Athlon processors
- Provides extra power capacity for PC servers with several hard drives
- Provides the extra current required by 2 GHz and faster CPUs
- Provides extra power required by leading edge 3D video accelerator cards
- Provides extra current and power capacity for overclocking CPUs
- Uses two ball bearing smart fans for silent, effective cooling
- Uses quad-protection: Short Circuit protection, Over Power protection, Over Voltage protection, and No Load protection
- Complies with ATX version 2.03, ATX12V, and Serial ATA specifications
- Allows you to monitor fan speed and operation status through TX3 fan connector
- Uses superior EMI/RFI power filtration system ensure system components receive clean, stable power
- Backed by StarTech.com's two-year warranty

WARNING! Computer parts can be severely damaged by static electricity. Be sure that you are properly grounded before opening your computer case. StarTech.com recommends that you wear an anti-static strap when installing any computer component. If an anti-static strap is unavailable, discharge yourself of any static electricity build-up by touching a large grounded metal surface (such as the computer case) for several seconds. Also make sure that your computer is turned off and unplugged before attempting to open your computer case.

Contents

This package should contain:

- 1 x ATXPOW450DF power supply
- 1 x power cord

Installation

NOTE: Check the power supply voltage before installation. It should be the same as your local power voltage (115V for North America and 230V for most of the European countries). Change the voltage setting if necessary.

1. Make sure that your system is turned off and unplugged. Disconnect the power cord from your old power supply.
2. Open the case (consult your computer's user guide for details, if necessary).

NOTE: Before completing the next step, you may want to take note of what devices are attached to your current power supply so you know which devices need to be connected to the new power supply and where their connectors are located.

3. Disconnect all power connectors from the motherboard and the peripheral devices such as hard drives, floppy disks, etc. Make sure that there are no devices connected to your existing power supply.
4. Remove the existing power supply from your computer case and replace it with the new StarTech.com power supply.
5. Connect the power connectors to your motherboard and peripheral devices.
6. Close your computer case.
7. Connect the power cord to the StarTech.com power supply.

ATXPOW450DF Connectors

