

500/550 Watt Professional 20/24-pin ATX 2.01 Computer Power Supply

ATXPW500PRO2

ATXPW550PRO2



*actual product may vary from photos

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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. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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Introduction

The ATXPW500PRO2 500 Watt EPS12V/ATX12V power supply delivers a professional-grade PC power solution, with support for recent Intel® and AMD® dual-core CPU designs.

Featuring a comprehensive range of device connections, including SATA and dual PCI Express connectors for systems with high-end video cards, the PSU is compliant with ATX12V 2.01 & EPS12V 2.92 revision standards and offers dual 12V power rails and a 20/24 pin motherboard connection to ensure broad compatibility and simple installation.

To maintain stable power delivery to the most demanding devices, the power supply features Quad+1 protection against short-circuit, over-power, over-voltage and no-load situations, as well as an 80mm dual ball bearing fan to help keep the power supply cool for peak performance.

Packaging Contents

- 1 x Power Supply
- 1 x Power Cord
- 1 x Instruction Manual

System Requirements

- ATX compliant motherboard
- ATX compliant computer case that supports full sized power supplies

Installation

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.

Installation of a power supply requires some mechanical skill and requires that you open your computer case to disconnect and reconnect wires. If you are unfamiliar with this kind of work, consider bringing your computer and new StarTech.com power supply to your local computer store for help.

Hardware Installation

1. Turn your computer off and any peripherals connected to the computer (i.e. printers, external hard drives, etc.).
2. If the power supply has a power switch on it, set it to the "0" position. Unplug the power cable from the rear of the power supply on the back of the computer and disconnect all other peripheral cables.
3. Remove the cover from the computer case. Refer to documentation for your computer system for details.
4. Disconnect all of the power connectors from the motherboard and peripheral devices (i.e. hard drives, CD/DVD drives, etc). Make sure to take note of each connector and where they were plugged in. Ensure there are no devices connected to the existing power supply.
5. Remove the existing power supply from the computer case. This is typically done by removing four (4) mounting screws on the outside face of the power supply. Refer to documentation for your computer system/case for specifics.
6. Install and mount the new power supply by reversing the steps used to remove the old power supply.
7. Connect the power connectors from the power supply to the motherboard and peripheral devices that were disconnected previously. Note that this power supply uses a 20+4 pin ATX connector, so it can be used on motherboards with either a 20-pin or 24-pin connector. Simply detach the extra 4-pin attachment for use on 20-pin motherboards.

NOTE: the detached 4-pin connector cannot be used in place of the 4-pin ATX12V (P4) connector.

8. Make sure any loose or unused cables from the power supply are away from fans and other moving parts.
9. Place the cover back onto the computer case.
10. Make sure the power switch on the power supply is set to "0", then insert the power cable into the socket on the power supply. If the old power cable looks worn or damaged in any way, replace with the supplied power cable, otherwise it is safe to reuse it.
11. Reconnect all other connectors/cables that were removed in Step 2. Set the power switch on the power supply to "1".

Specifications

	ATXPW500PRO2	ATXPW550PRO2
Standards	ATX12V 2.01 EPS12v 2.92	
Maximum Power Output	500W	550W
Efficiency Rating	72% (typical load)	
Fans	1 x 80mm	1 x 120mm
Input Power	100 ~ 120VAC, 10A 200 ~ 240VAC, 5.5A 47 ~ 63Hz	100 ~ 120VAC, 12A 200 ~ 240VAC, 6A 47 ~ 63Hz
MTBF	100,000	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F)	
Storage Temperature	-20°C ~ 80°C (-4°F ~ 176°F)	
Humidity	10 ~ 90% RH	
Dimensions (LxWxH)	140.0mm x 150.0mm x 86.0mm	
Weight	1800g	1830g

ATXPW500PRO2 Power Output

DC Output	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
	30A	45A	18A	16A	1A	2.5A
Max Power	275W		380W		12W	12.5W
	475.5W					

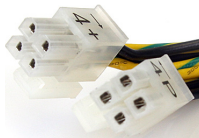
ATXPW550PRO2 Power Output

DC Output	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb
	30A	50A	18A	18A	1A	2.5A
Max Power	300W		420W		12W	12.5W
	525.5W					

Connectors



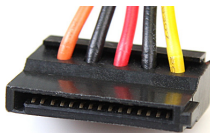
1 x ATX 20+4 pin



1 x 4+4 pin ATX12V
(8-pin EPS12V)



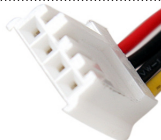
2 x 6-pin PCI Express



5 x 15-pin SATA (ATXPW500PRO2)
7 x 15-pin SATA (ATXPW550PRO2)



5 x 4-pin Molex Power (LP4)



2 x 4-pin Mini-Power (SP4)



1 x 3-pin Fan (TX3)

Technical Support

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For the latest drivers/software, please visit www.startech.com/downloads

Warranty Information

This product is backed by a three 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.

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