

ATX Power Supply - 80 Plus® Certified

ATX2PW430WH / ATX2PW500WH / ATX2PW530WH /
ATX2PW550WH / ATX2PW630WH / ATX2PW450BR /
ATX2PW450GO



*ATX2PW430WH shown

DE: Bedienungsanleitung - de.startech.com

FR: Guide de l'utilisateur - fr.startech.com

ES: Guía del usuario - es.startech.com

IT: Guida per l'uso - it.startech.com

NL: Gebruiksaanwijzing - nl.startech.com

PT: Guia do usuário - pt.startech.com

For the most up-to-date information, please visit: www.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. 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

Packaging Contents

- ATX Power Supply
- Quick Install Guide

System Requirements

- ATX compliant motherboard
- ATX compliant computer case that fits a full sized power supply
- Standard Computer Power Cord (Regional AC to C13)

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. If replacing an existing power supply, turn your computer off and any peripherals connected to the computer (i.e. printers, external hard drives, etc.).
2. If replacing an existing power supply check to see if it 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. For detailed steps refer to the documentation included with your computer system, or computer case.
4. If replacing an existing power supply 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. If replacing an existing power supply remove it 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 or computer case for specifics.
6. Hold the new power supply into place so that the 4 screw holes around the fan are lined up with installation holes on your computer case, and fix 4 screws (included with your computer case) through the computer case into the power supply. Refer to documentation for your computer system or computer case for specifics.
7. Connect the power connectors from the power supply to the motherboard and any peripheral devices that require power. If you are replacing an existing power supply, replace all power connectors that were removed. Refer to the documentation for your motherboard and peripheral devices for details regarding power requirements.
Note: 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.
8. Make sure any loose or unused cables from the power supply are away from fans and other moving parts.
9. Place the cover onto the computer case. For detailed steps refer to the documentation included with your computer system, or computer case.
10. Connect the Power Cable
11. Set up your computer system. Refer to documents included with your computer system and any attached devices.
12. The computer system is now ready to be turned on.

Specifications

	ATX2PW430WH	ATX2PW500WH
Standards	ATX12V v2.3	
	EPS12V v2.92	
Efficiency Rating	80% @ 20% - 86 Watt	80% @ 20% - 110 Watt
	80% @ 50% - 215 Watt	80% @ 50% - 275 Watt
	80% @ 100% - 430 Watt	80% @ 100% - 550 Watt
Maximum Power Output	430W	500W
Fans	1 x 80mm	
Input Power	100 ~ 240VAC, 10 ~ 5A, 47 ~ 63Hz	
Operating Temperature	0°C to 40°C (32°F to 104°F)	
Storage Temperature	-20°C to 80°C (-4°F to 176°F)	
Humidity	10~90% RH	
MTBF	100,000	
Dimensions (LxWxH)	150mm x 86mm x 140mm	

Specifications cont...

	ATX2PW530WH	ATX2PW550WH
Standards	ATX12V v2.3 EPS12V v2.92	
Efficiency Rating	80% @ 20% - 106 Watt 80% @ 50% - 265 Watt 80% @ 100% - 530 Watt	80% @ 20% - 110 Watt 80% @ 50% - 275 Watt 80% @ 100% - 550 Watt
Maximum Power Output	530W	550W
Fans	1 x 80mm	
Input Power	100 ~ 240VAC, 10 ~ 5A, 47 ~ 63Hz	
Operating Temperature	0°C to 40°C (32°F to 104°F)	
Storage Temperature	-20°C to 80°C (-4°F to 176°F)	
Humidity	10~90% RH	
MTBF	100,000	
Dimensions (LxWxH)	150mm x 86mm x 140mm	

Specifications cont...

	ATX2PW630WH	ATX2PW450BR	ATX2PW450GO
Standards	ATX12V v2.3 EPS12V v2.92		
Efficiency Rating	80% @ 20% - 126 Watt 80% @ 50% - 315 Watt 80% @ 100% - 630 Watt	81% @ 20% - 90 Watt 85% @ 50% - 225 Watt 81% @ 100% - 450 Watt	87% @ 20% - 90 Watt 90% @ 50% - 225 Watt 87% @ 100% - 450 Watt
Maximum Power Output	630W	450W	450W
Fans	1 x 80mm		
Input Power	100 ~ 240VAC, 10 ~ 5A, 47 ~ 63Hz		
Operating Temperature	0°C to 40°C (32°F to 104°F)		
Storage Temperature	-20°C to 80°C (-4°F to 176°F)		
Humidity	10~90% RH		
MTBF	100,000		
Dimensions (LxWxH)	150mm x 86mm x 140mm		

DC Output

ATX2PW450GO

+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	37A	37A	37A	37A	0.5A	2.5A

ATX2PW450BR

+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	35A	35A	35A	35A	0.5A	2.5A

ATX2PW430W

+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	33A	33A	33A	33A	0.5A	2.5A

ATX2PW500W

+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	35A	35A	35A	35A	0.5A	2.5A

ATX2PW530W

+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	41A	41A	41A	41A	0.5A	2.5A

ATX2PW550W

+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	43A	43A	43A	43A	0.5A	2.5A

ATX2PW630W

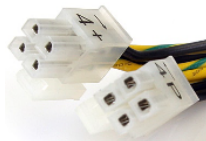
+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb
20A	20A	50A	50A	50A	50A	0.5A	2.5A

Connectors for

ATX2PW430WH / ATX2PW500WH / ATX2PW530WH / ATX2PW550WH / ATX2PW450BR
/ ATX2PW450GO



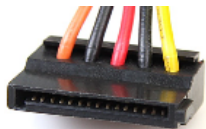
1X ATX 20+4-pin



1 x 4+4 -pin ATX 12V (8-pin
EPS12V)



1 x 6-pin PCI Express



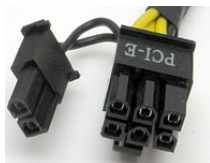
4x 15-pin SATA



3 x 4-pin Molex Power (LP4)



1 x 4-pin



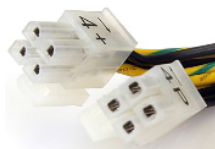
1x 6+2-Pin pin PCI Express

Connectors for

ATX2PW630WH



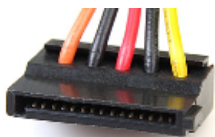
1X ATX 20+4-pin



1 x 4+4 -pin ATX 12V (8-pin EPS12V)



2 x 6-pin PCI Express



6x 15-pin SATA



3 x 4-pin Molex Power (LP4)



1 x 4-pin



2x 6+2-Pin pin PCI Express

Technical Support

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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.

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