ATX2POWER430
ATX2POWER530
Instruction Manual

ATX Power Supply

430W/530W ATX12V 2.3 EPS
Computer Power Supply
- 80 Plus® Certified

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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 StarTech.com ATX12V 2.3/ EPS12V 2.91 series power supplies are 80 Plus® certified, providing stable power while balancing energy-efficiency. Compliant with ATX12V 2.3 standards and certified SLI® ready, this power supply offers the versatility and support for AMD or Intel CPU based entry level servers, gaming PCs and high end work stations, or a higher level energy-efficient replacement/upgrade power supply for Desktop PC's.

Packaging Contents

- 1 x ATX Power Supply
- 2 x Power Cable (NA, UK)
- 1 x Instruction Manual

System Requirements

- ATX compliant motherboard
- ATX compliant computer case that fits a full sized power supply

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

	ATX2POWER430	**ATX2POWER530**
Standards	ATX12V v2.3 EPS12V v2.92	
Maximum Power Output	430W	530W
Efficiency Rating	84.08%@20% load 84.81%@50% load 82.47%@100% load	84.72%@20% load 85.61%@50% load 82.01@100% load
Fans	1 x 80mm	
Input Power	100 ~ 240VAC, 10 ~ 5A, 47 ~ 63Hz	
Operating Temperature	0°C ~ 40°C (32°F ~ 104°F) @ 90% Load	
Storage Temperature	-20°C ~ 80°C (-4°F ~ 176°F)	
Humidity	5 ~ 90% RH	
MTBF	100,000 Hours	
Dimensions (LxWxH)	140.0mm x 150.0mm x 86.0mm	
Weight	1710g	
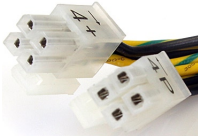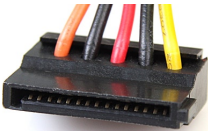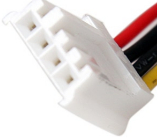
ATX2POWER430 Power Output

DC Output	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5V$_{sb}$
	24A	24A	20A	20A	20A	20A	0.5A	2.5A
Max Power	140W		396W				6W	12.5W
	411.5W							

ATX2POWER530 Power Output

DC Output	+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5V$_{sb}$
	24A	24A	20A	20A	20A	20A	0.5A	2.5A
Max Power	140W		492W				6W	12.5W
	511.5W							

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
3 x 4-pin Molex Power (LP4)	*1 x* 4-pin Mini-Power (SP4)

Technical Support

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Warranty Information

This product is backed by a three warranty.

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