



VP450

POWER SUPPLY

USER'S MANUAL



VP450

The VP450 is crafted for quality, performance and incredible value. This entry-level solution gives you everything you need in a power supply. And it comes with all the assurance of Antec's AQ2 Antec Quality 2-year limited warranty. All the features, none of the waste: for builders that are strictly business, the VP450 is strictly power.

STANDARDS AND FEATURES

The connectors and power specifications of the VP450 PSU are all compatible with ATX12V v2.32 & EPS12V v2.92 specifications.

SYSTEM PROTECTION

A variety of industrial-grade safety circuitry will help protect your computer: Over Current Protection (OCP), Over Voltage Protection (OVP), Short Circuit Protection (SCP) & Over Power Protection (OPP). Sometimes the PSU will "latch" into a protected state. You will need to power off the PSU and clear the fault before it will function again. There are no user-replaceable fuses in your VP450.


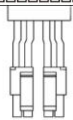

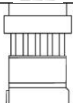
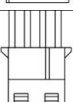
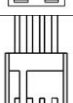
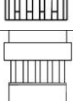
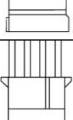
POWER OUTPUT

To see the output capacity and regulation for each different voltage, see table 1.

TABLE 1

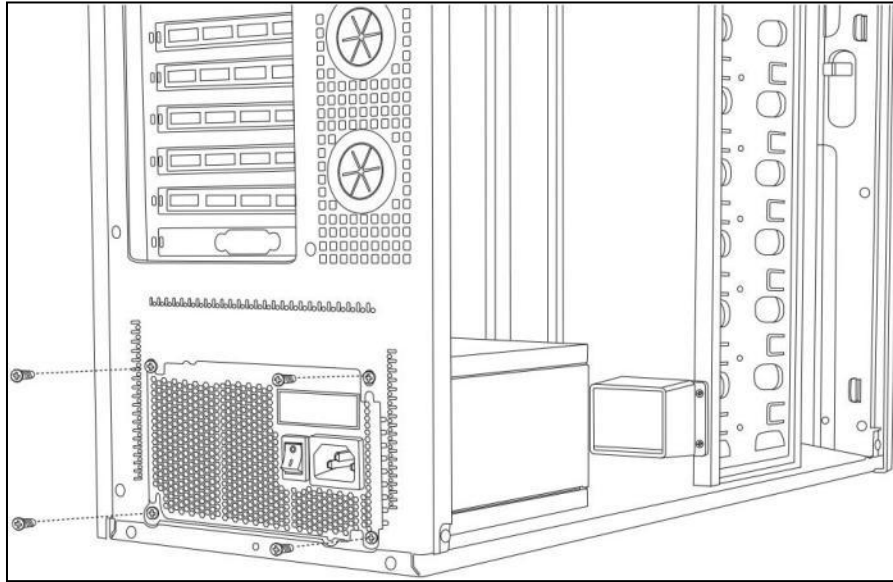
Output Voltage	Load Max.	Regulation	Ripple & Noise
+12V ₁	18A	± 5%	< 120 mV
+12V ₂	18A	± 5%	< 120 mV
+3.3V	24A	± 5%	< 50 mV
+5V	15A	± 5%	< 50 mV
-12V	0.3A	± 10%	< 120 mV
+5Vsb	2.5A	± 5%	< 50 mV

TABLE 2

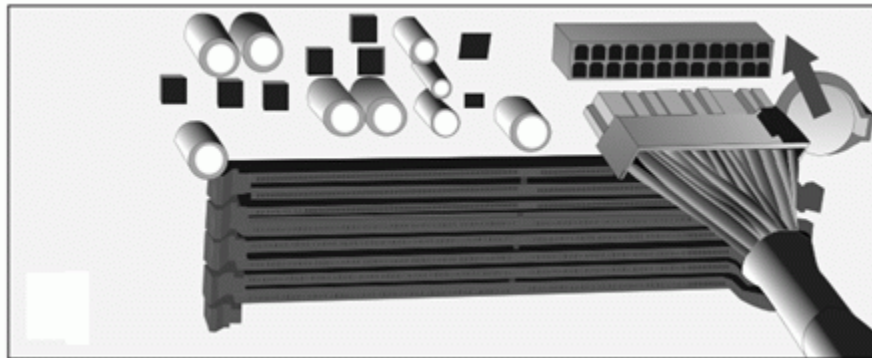
Cable Quantity	Connectors	Description
1	 X 1	24(20+4)-pin Motherboard
1	 X 1	8(4+4)-pin ATX12V/EPS12V
1	 X 1	6-pin PCI-E
1	 X 1	SATA
	 X 1	Molex
	 X 1	FDD
1	 X 3	SATA
1	 X 3	Molex

INSTALLATION

Install the PSU into either the top or bottom of your case with the four screws provided. Refer to your case manual if you are unsure where the power supply should be installed.

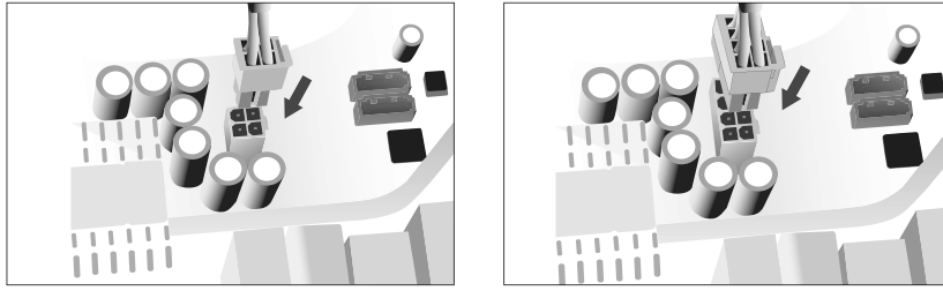


Connect the 24-pin main power connector to your motherboard.

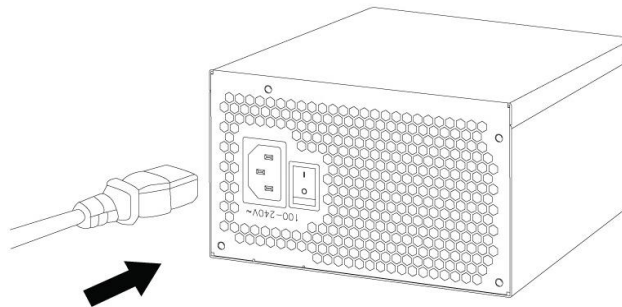


Connect the 8-pin or 4+4-pin connector for the CPU. If your motherboard has an 8-pin socket with a cover on some of the openings, we recommend that you remove the cover and use the 8-pin connector.

Note: Please also refer to your motherboards manual for any special instructions.



Connect the AC power cord to the power supply AC inlet. Be sure to use the heavy-duty cord supplied with your PSU.



Hard drives, optical drives (CD/DVD/BluRay™) and other accessories will use either the older 4-pin Molex connector or the newer 15-pin SATA connector. 4-pin Molex connectors have two black, one yellow and one red wire. The SATA connector has an additional orange power wire.

When you have all the connections secured, turn the switch on the PSU to the “I” position.



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