



**BP550 PLUS**  
**POWER SUPPLY**  
**USER'S MANUAL**



## **BP550 PLUS**

The BP550 PLUS is the perfect power supply for the entry-level user, providing stable power, quiet cooling, and advanced cable management for improved airflow and ease-of-use. This entry-level solution gives you everything you need in a power supply. No twinkly lights or glittery paint jobs – a 120 mm fan for effective and quiet cooling, triple +12V rails for amazingly stable power, heavy-duty protection circuitry and Active Power Factor Correction (PFC) that saves money on corporate power bills. And it comes with all the assurance of Antec's AQ3 Antec Quality 3-year limited warranty. All the features, none of the waste: for builders that are strictly business, the BP550 PLUS is strictly power.

## **STANDARDS AND FEATURES**

The connectors and power specifications of the BP550 PLUS PSU are all compatible with ATX12V v2.3 specifications. This power supply also features Active Power Factor Correction (PFC), which improves the power factor value of the power supply by altering the input current wave shape, helping to power transmission across the grid.

## **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). 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 BP550 PLUS.

## POWER OUTPUT

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

**TABLE 1**

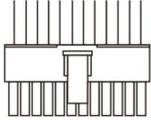
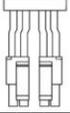
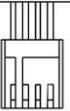
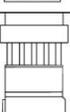
Output Voltage	Load Max.	Regulation	Ripple & Noise
+12V <sub>1</sub>	22A	± 5%	< 200 mV
+12V <sub>2</sub>	22A	± 5%	< 200 mV
+12V <sub>3</sub>	25A	± 5%	< 200 mV
+3.3V	28A	± 5%	< 100 mV
+5V	26A	± 5%	< 100 mV
-12V	0.5A	± 10%	< 200 mV
+5Vsb	2.5A	± 5%	< 100 mV

## MODULAR CABLE JACKS

There are four 6-pin black jacks and one 6-pin red jacks on the back of your BP550 PLUS PSU. These jacks are for the optional cables that come with your power supply.

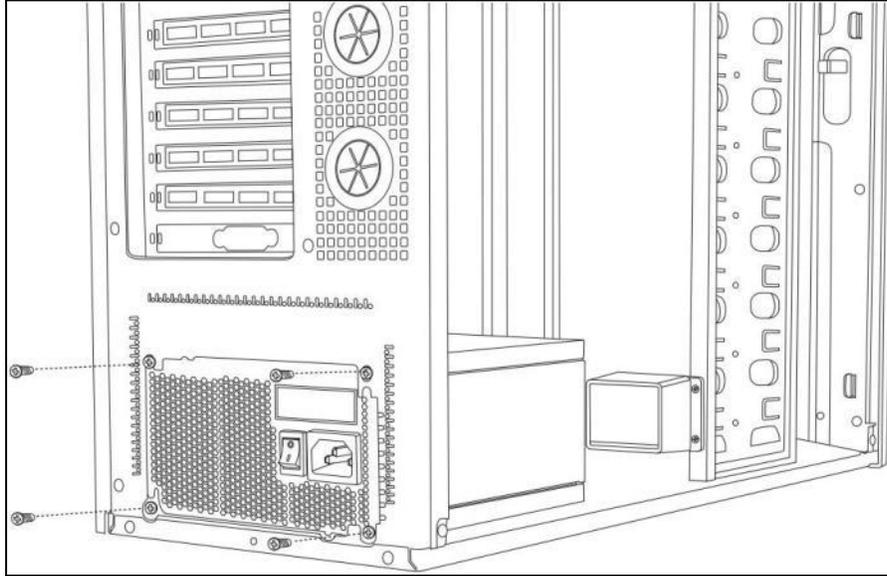
**Caution: Please connect only cables provided with this BP550 PLUS. Other cables may not be compatible!**

**TABLE 2**

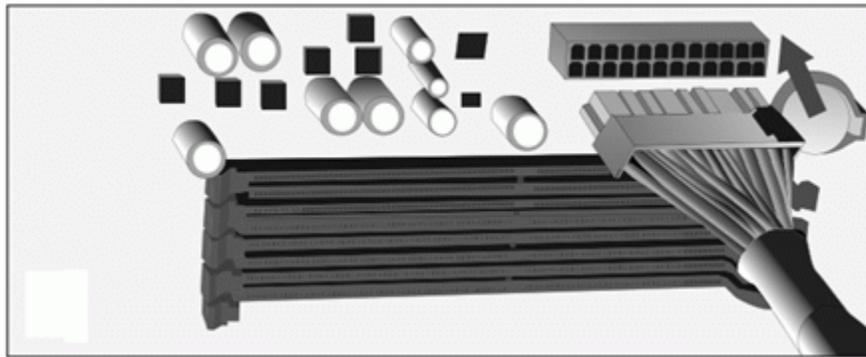
Cable Quantity	Connectors	Description	Socket
1	 X 1	24(20+4)-pin Motherboard	Fixed cable
1	 X 1	8(4+4)-pin ATX12V/EP12V	Fixed cable
1	 X 1	8(6+2)-pin PCI-E	Fixed cable
1	 X 1	6-pin PCI-E	6-pin red
1	 X 3	Molex	6-pin black
	 X 1	FDD	
1	 X 3	Molex	6-pin black
2	 X 3	SATA	6-pin black

## 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.

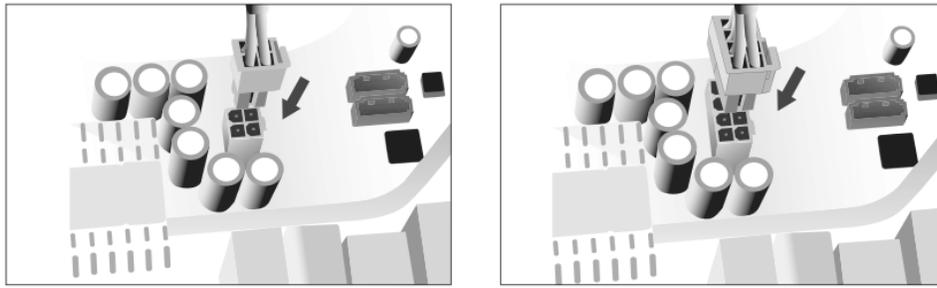


Connect the 24-pin main power connector to your motherboard.

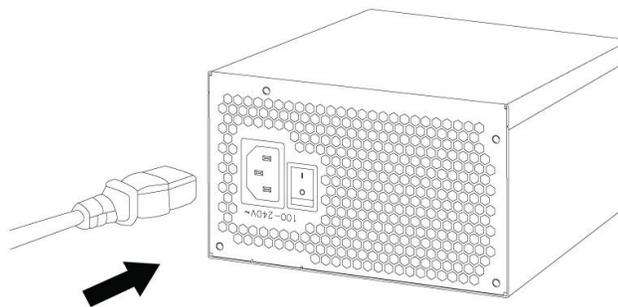


Connect the 8-pin or 4+4-pin connector for the CPU. If your motherboard has an 8-pin socket with a cover on some of the openings, we recommend that you remove the cover and use the 8-pin connector.

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.



PCI-E graphics cards use different amounts of power. For some, a single 6-pin connector is sufficient, making the hardwired connector the preferred choice. More powerful cards use multiple connectors, including the advanced 8-pin PCI-E connector. The 8-pin PCI-E connector on the PSU can be used as either a 6- or 8-pin connector.

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 “|” position.



## Technical Support:

[www.antec.com/support](http://www.antec.com/support)

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