EVGA

500 B

600 B

500W BRONZE POWER SUPPLY

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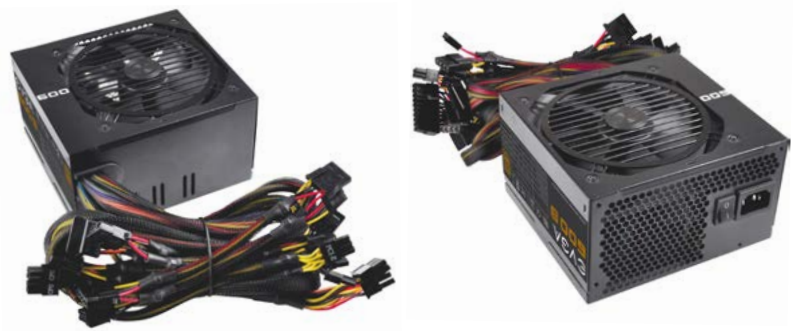
500W / 600W Bronze Power Supply User Manual

Introduction: Premium Power

Thank you for purchasing an EVGA power supply. This power supply is a premium quality power supply intended to meet the needs of the most demanding PC gaming systems. Designed with gamers' needs in mind the EVGA Power Supplies are the best choice to power next generation gaming systems.

EVGA 500W BRONZE



EVGA 600W BRONZE

Safety Information

WARNING: This unit has no user-serviceable parts inside. Opening the casing presents a risk of electrocution and will void the warranty. EVGA will not be responsible for any result of improper use, use for which the product was not intended, or use inconsistent with the warranty and this manual (also available at *www.evga.com/support/manuals/*).

Features

STABLE POWER

The 500B/600B power supply models have outstanding electrical performance with **ultra stable voltage** and extremely clean outputs. This will help to achieve the highest possible overclock and provide stability and reliability to your components. The 500B/600B offer efficiency **up to 85%** at 40 degrees Celsius and is **80 PLUS BRONZE** certified.

THE BEST PROTECTION

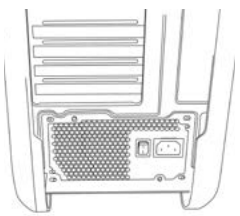
These power supplies are covered by a 3 year warranty and EVGA's 24/7 customer service.
The 500B/600B power supplies also come equipped with several power protections to provide safe operation including:

- **(OVP)** Over Voltage Protection
- **(UVP)** Under Voltage Protection
- **(OPP)** Over Power Protection
- **(SCP)** Short Circuit Protection
- **(OCP)** Over Current Protection

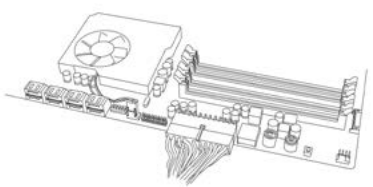
Installation

1. Remove the power supply from its packaging.

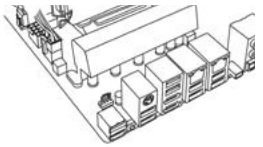
2. Use the provided screws to install the power supply into your computer case. **NOTE:** It is recommended to install the power supply with the fan facing down. However, if your case places the power supply at the bottom of the case and there are no ventilation holes there, it may be best to install the power supply with the fan facing up for greater efficiency and reliability.



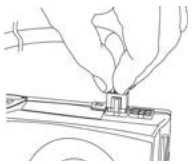
3. Connect the 24-pin ATX cable to the motherboard. **NOTE:** This power supply allows you to detach the four right-most pins to make this connector into a 20-pin connector. Under NO circumstances should you plug the extra four-pin connector into your motherboard's 4-pin ATX12V or "P4" connector. Serious damage may occur.



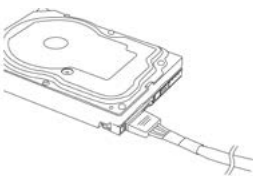
4. Connect the 8-pin EPS12V cable(s) to the motherboard. One of the EPS12V connectors can be split to form a 4-pin ATX12V connector if your board lacks an EPS12V connector.



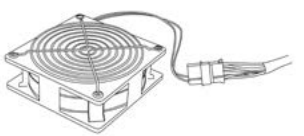
5. Connect the 6/8-pin PCIe cables to your graphics card(s). **NOTE:** Do not attempt to plug an 8-pin PCIe cable into a 6-pin connector without first detaching the two extra pins.



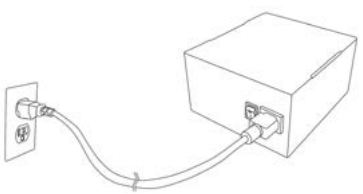
6. Connect the SATA cables to your system's drives (hard drives, solid state drives, and optical drives). If your motherboard supports additional PCIe power delivery via SATA connector, connect a SATA cable to your motherboard as well.



7. Connect the peripheral "molex" connectors to the power supply and your fans, legacy hard drives, and other devices.



8. Connect the AC power cord to your power supply and to the wall, and turn the power switch to the ON position.



500W Cable Configuration

Connector	Cables
MB	1x ATX 20+4 pin
CPU	1x EPS12V 4+4 pin
VGA	1x PCIe 6+2 pin x2
SATA	2x SATA 5 pin x3
PERP	1x Molex 4 pin x3
FDD	PERP to FDD

500W Specifications

EVGA	500W BRONZE		+40°C ambient @ full load		
AC Input	AC100-240V~, 50-60 Hz, 8/4A				
DC Output	+5V	+3.3V	+12V	-12V	+5Vsb
MAX output, A	20	24	40	0.3	3
Combined, W	120		480	3.6	15
Output power, Pcont	500W @ +40°C				

E355174

Dimensions: 85mm (H) x 150mm (W) x 140mm (L)

Over Voltage Protection, Under Voltage Protection, Short Circuit Protection, Over Current Protection, Over Power Protection.

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FDD	PERP to FDD

600W Specifications

EVGA	600W BRONZE		+40°C ambient @ full load		
AC Input	AC100-240V~, 50-60 Hz, 10/5A				
DC Output	+5V	+3.3V	+12V	-12V	+5Vsb
MAX output, A	20	24	49	0.3	3
Combined, W	130		588	3.6	15
Output power, Pcont	600W @ +40°C				

E355174

Dimensions: 85mm (H) x 150mm (W) x 140mm (L)

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