



COUGAR S POWER



TECHNICAL DETAILS & SPECIAL FEATURES

COMPATIBLE WITH THE LATEST PC TECHNOLOGIES

Supports the newest specifications of ATX12V & EPS12V.

Created for usage with current and next-generation multi-core CPU and GPU platforms.

EXTREMELY HIGH EFFICIENCY

Up to 89% of efficiency, compliant with 80-PLUS® SILVER efficiency requirement .

HIGH PERFORMANCE AT 50°C

Non-stop high performance at 50°C/122°F ambient temperature.

FAN DELAY OFF DESIGN

Keeping PSU fan running after shut down to dissipate the remaining system heat and prolonging system lifetime.

HIGHEST DURABLE & RELIABLE JAPANESE 105 °C AND SOLID CAPACITORS

The best solution for a High-End PSU by using Japanese 105°C capacitors and the solid capacitors for 12Vs.

DC-DC TECHNOLOGY

DC-DC technology provides highest efficiency, most stable performance, and perfect regulation.

ULTRA-QUIET & TEMPERATURE-CONTROLLED 140mm FAN

Extremely Low Noise Level, equipped with a large and ultra-quiet 140mm fan, which adapts its rotating speed to the PSU temperature. Even on its highest rotating level the fan is still quiet enough to be barely noticeable.

INDEPENDENT CIRCUITS

Each different output voltage has its own internal switching and is protected against overloading and under-loading through multiple safeguards. Therefore, the output voltages are considerably more stable and subject to far smaller voltage noises, bringing them much closer to their ideal values.

DYNAMIC LOAD DISTRIBUTION 12V

Automatic dynamic load distribution on the 12V line. If you are not using all output lines, the PSU automatically reroutes needed power from unused lines. This improves the performance of the 12V lines considerably for systems with high-end graphics cards in SLI® or CrossFire® mode.



FLEXIBLE CABLE MANAGEMENT

The cables for the disk drives and/or graphics cards always have on one end an 8-point plug, which fits directly into the PSU. Make sure to match the colors of the plug and the connector: red with red, black with black. On the other end of the cables you will find the plugs to the respective components. For more information on the correct installation of your components please read the respective manuals of the manufacturers.

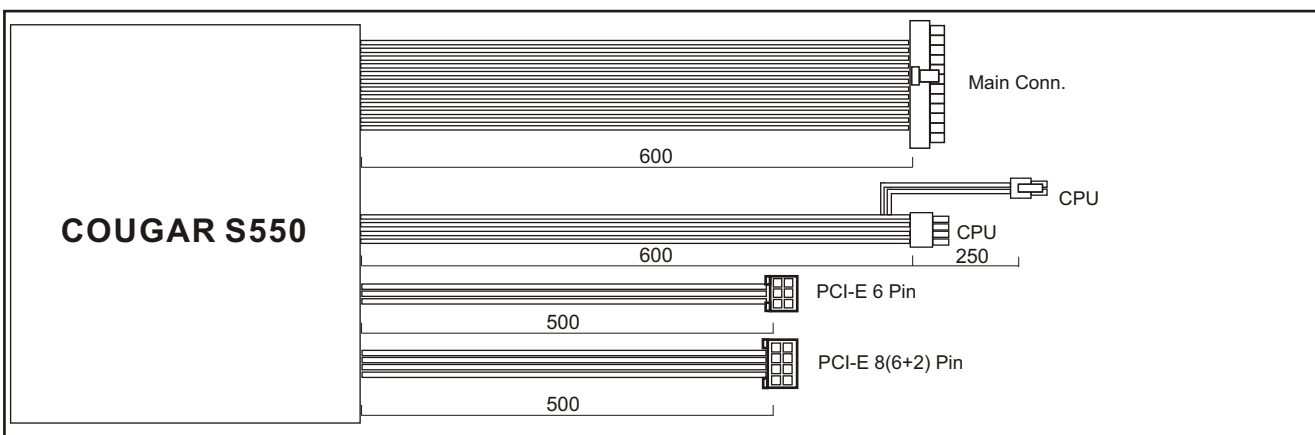
SPECIFICATION

RATING

Model Name	AC Input	DC Output									80 Plus®
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	-12V	+5Vsb	Total output	
COUGAR S550	AC 100-240V 50-60Hz 10-5A	25A	25A	20A	20A	24A	24A	0.6A	3A	550W	
		140W		542W							
COUGAR S700	AC 115-240V 50-60Hz 10-5A	25A	25A	20A	20A	24A	24A	0.6A	3A	700W	
		150W		684W							

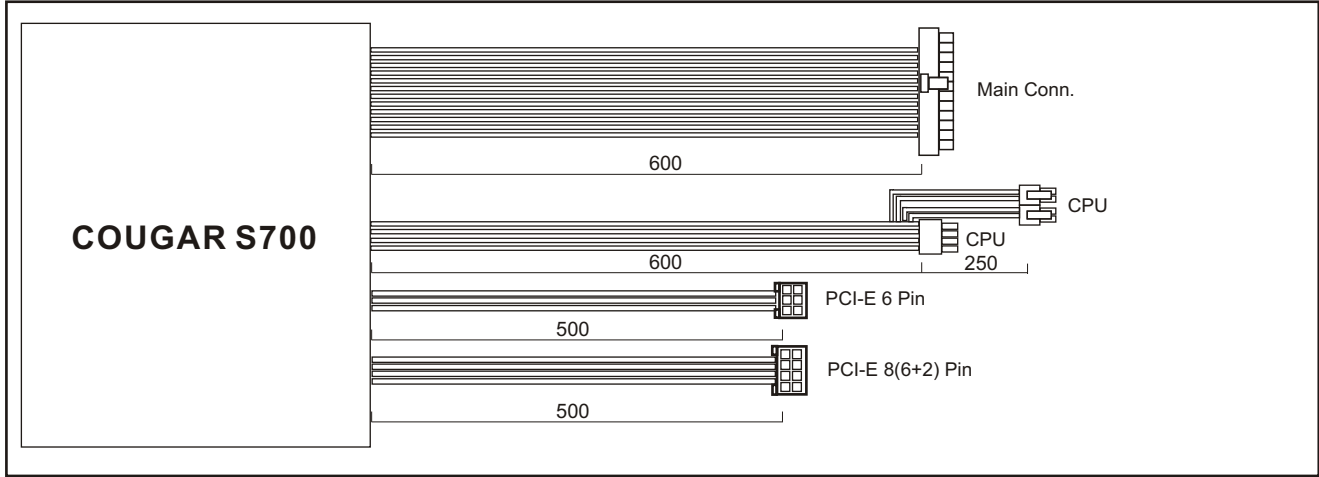
CABLES & CONNECTORS

Item Name / Connector										
Pin		24(20+4) Pins	4 Pins	4 Pins	8 Pins	4 Pins	8(4+4) Pins	5 Pins	6 Pins	8(6+2) Pins
COUGAR S550	Native	1	—	—	1	1	—	—	1	1
	Modular	—	5	1	—	—	—	6	2	—
COUGAR S700	Native	1	—	—	1	—	1	—	1	1
	Modular	—	5	1	—	—	—	8	1	1





SPECIFICATION



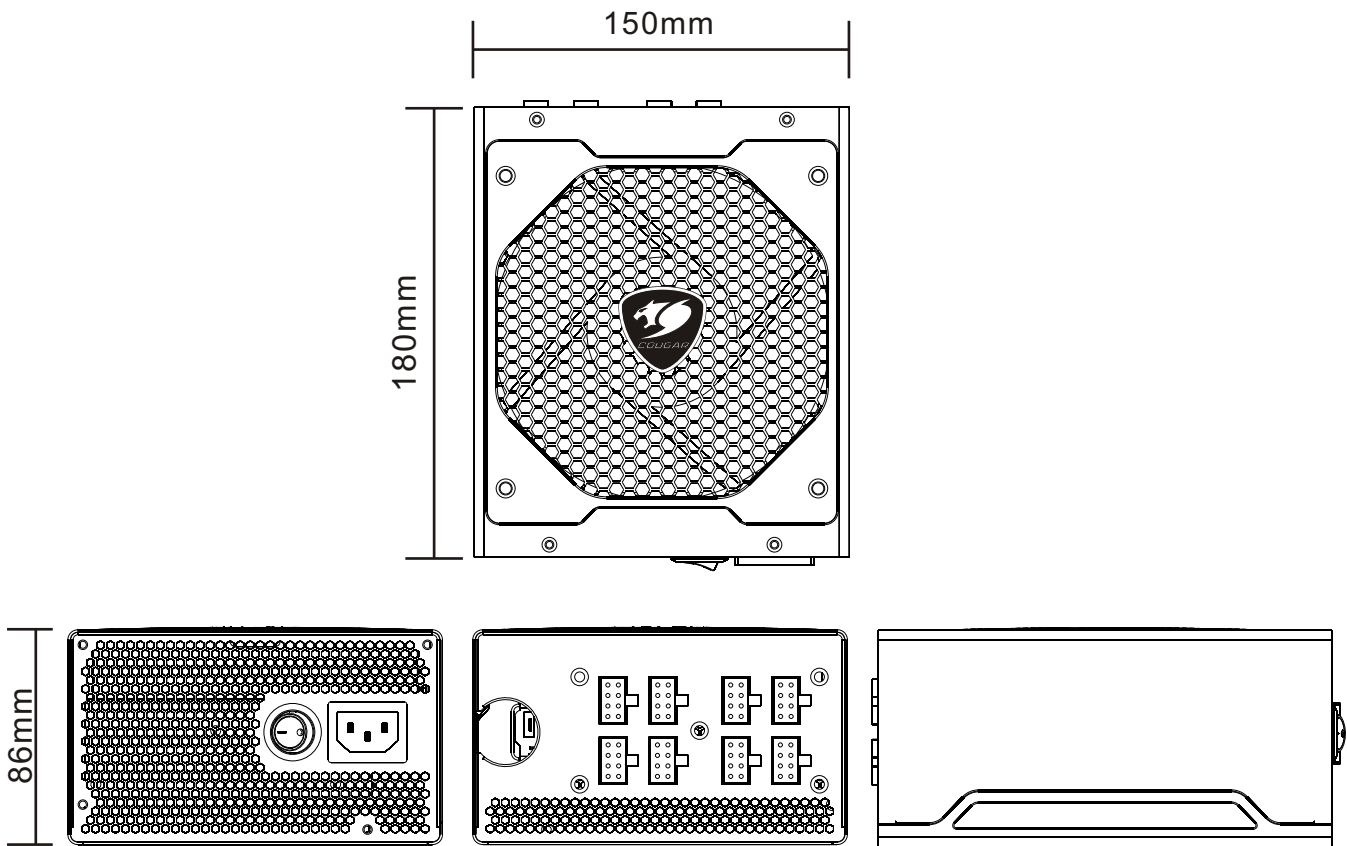
Cables(Unit:mm)	S550	S700
<p>Peripheral Peripheral Peripheral</p> <p>500 150 150</p>	1	1
<p>Peripheral Peripheral</p> <p>500 150</p>	1	1
<p>S-ATA S-ATA S-ATA</p> <p>500 150 150</p>	2	—
<p>S-ATA S-ATA S-ATA S-ATA</p> <p>500 150 150 150</p>	—	2
<p>PCI-E 6 Pin</p> <p>500</p>	2	1
<p>PCI-E 8 Pin</p> <p>500</p>	—	1



SPECIFICATION

DIMENSIONS

Dimension (L*W*H) mm	150 x 180 x 86
----------------------	----------------





SPECIFICATION

SAFETY FUNCTIONS

UVP (Undervoltage protection)

If the voltages fall below a certain tolerance value on the single lines, the PSU automatically switches off.

OVP (Overvoltage protection)

If the voltages increase above a certain tolerance value on the single lines, the PSU automatically switches off.

SCP (Short-circuit protection)

In the case of a short-circuit this feature prevents damage to the core components of the PSU and its system components.

OPP (Overload protection)

If the system is oversized and requires more power from the PSU than it can perform, this protection function is activated.

OCP (Overcurrent protection)

If the load on a single line is higher than indicated, the PSU automatically switches off.

SAFETY & EMI CERTIFIED:

