

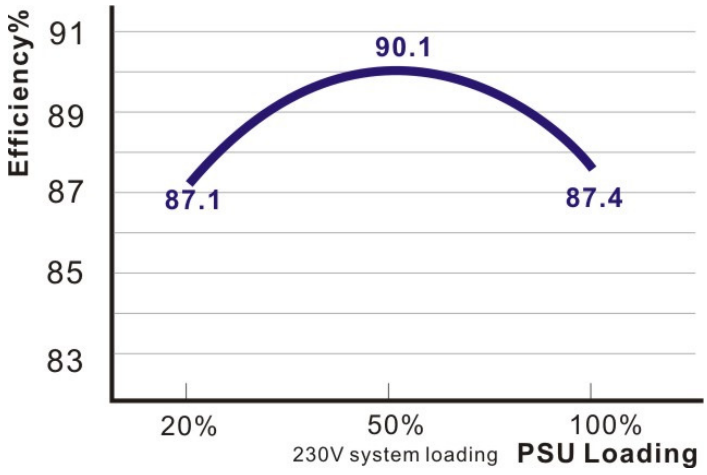
TECHNICAL DETAILS & SPECIAL FEATURES

80 Plus SILVER CERTIFICATION

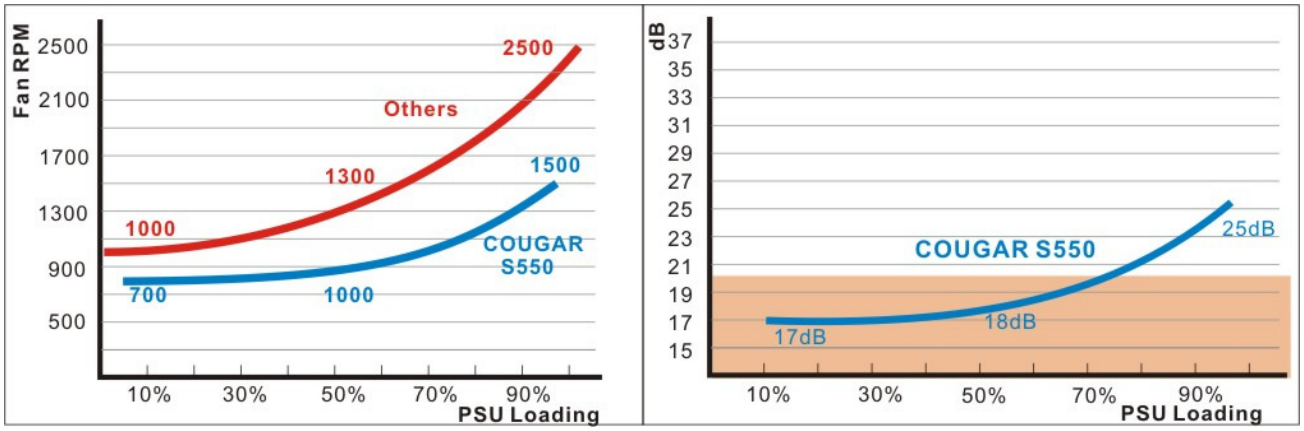
Up to 90% of efficiency, compliant with 80-PLUS® SILVER efficiency requirement . Due to the extremely high efficiency of the COUGAR® S-series you can reduce your electricity costs in spite of high performance.

80 PLUS SILVER

COUGAR S550/S700



ULTRA-QUIET & TEMPERATURE-CONTROLLED 140mm FAN



All PSUs of the COUGAR® S-Series are equipped with a large and very quiet 140mm fan(super low voltage & super low RPM), 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.

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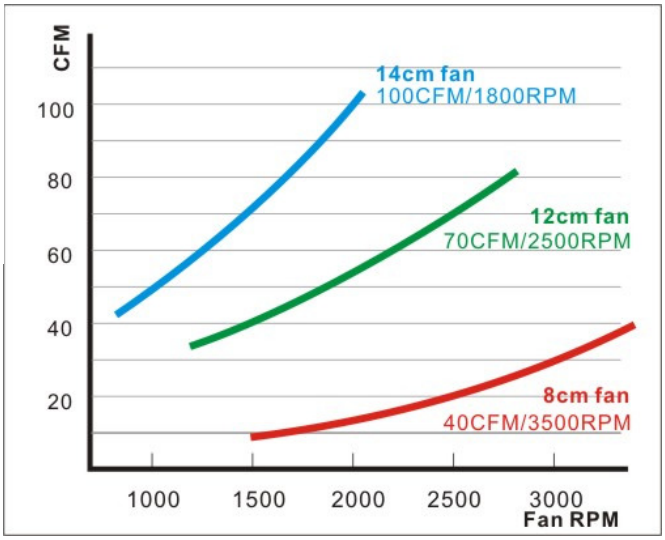
14CM FAN DESIGN

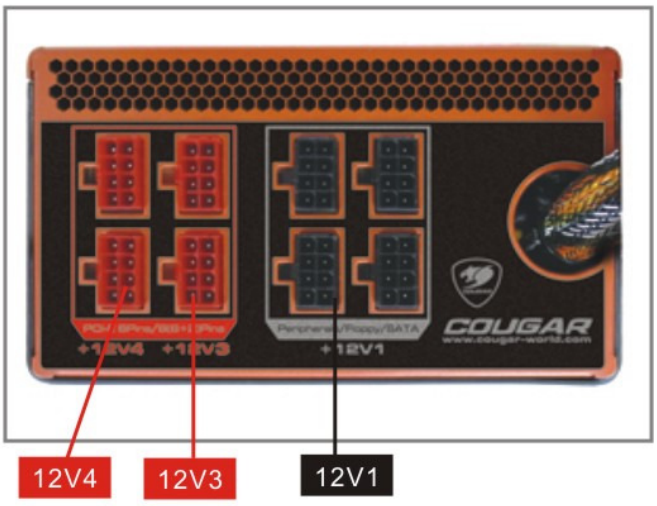
Better CFM(Cubic Feet per Minute) means fan can provide better air flow and cooling performance. 14cm and 12cm fan can provide much better CFM just require low rpm than 8cm fan, therefore, 14cm fan is much better cooling performance, but is extremely low noise and longer life of the fan.





INDEPENDENT CIRCUITS & DYNAMIC LOAD DISTRIBUTION 12V





4 12V Rails
DYNAMIC LOAD DISTRIBUTION

Each different output voltage of the COUGAR®-PSU has its own internal switching and is protected against overloading and underloading through multiple safeguards.
All PSUs of the COUGAR®-PSU have an 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.

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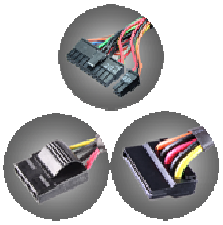
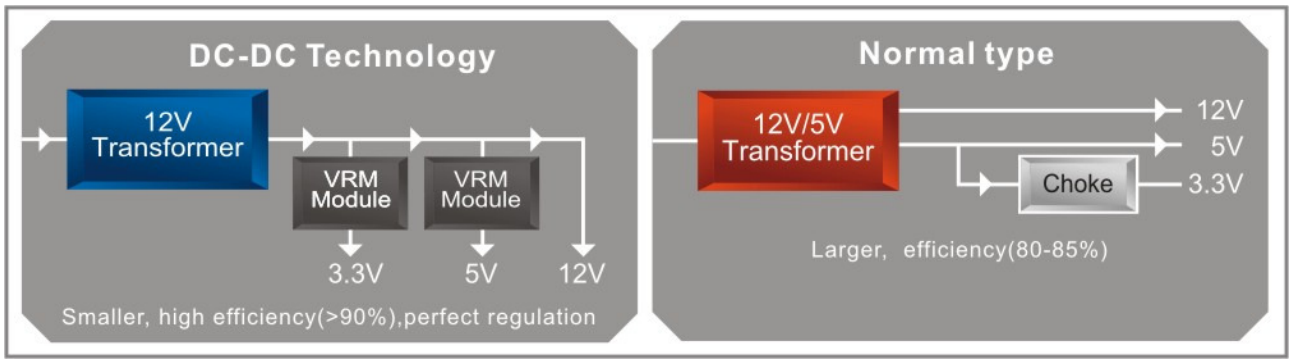
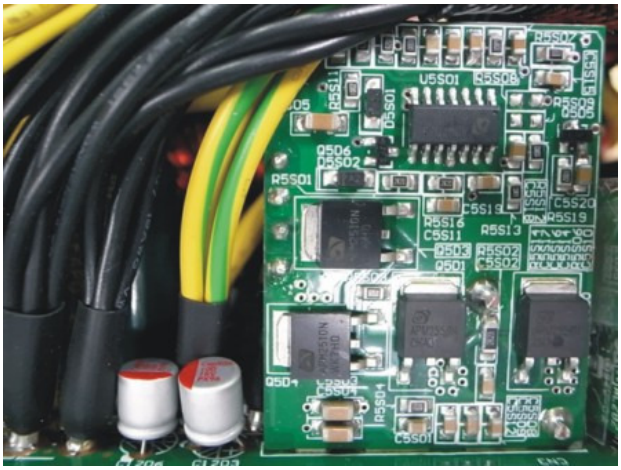
MODEL	+12V Output	12V1	12V2	12V3	12V4
COUGAR S550 S700	Support PC Devices	MB & Peripheral	CPU	Graphic Card-1	Graphic Card-2
	Connectors				
		24(20+4)Pins Peripheral Floppy S-ATA	+12V(4Pins) or EPS12V (4/8Pins)	PCI-E 6pin & 8(6+2)Pin	PCI-E 6pin & 8(6+2)Pin
					

DC to DC TECHNOLOGY



DC-DC technology for switching PSU has smaller volume, highest efficiency ,most stable performance, and perfect regulation.



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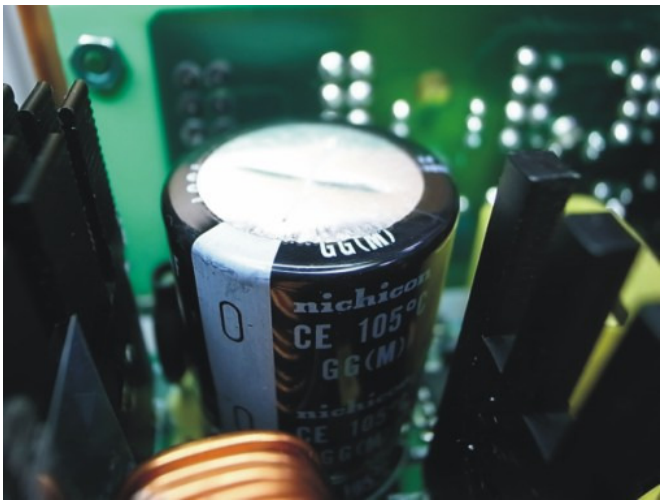
HIGHEST DURABLE & RELIABLE JAPANESE 105 °C AND SOLID CAPACITORS

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



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 sre 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.



FULL SAFETY PROTECTION

Industrial-leading protection circuitry of OCP, SCP, OVP, UVP, OPP, protect your system all the time.

