



REAL GEAR FOR REAL GAMERS



GX600 / 800 / 1050W

COUGAR GX v3 is an 80-PLUS Gold certified high end power supply series. With a stunningly elegant and attractive award-winning design, rock-solid reliability and a semi modular design that helps you achieve better levels of cable management, COUGAR GX is the perfect power supply for a gaming computer.

COUGAR GX v3 provides you with extremely high levels of efficiency (up to 93% peak efficiency) that will help you keep your electricity consumption under control.

Its modular cable management solution allows users to use only those cables they actually need, thereby keeping the number of cables at a minimum and improving air circulation within the case.

When it comes to design, it is easy to see why GX managed to win the d&i design and innovation awards in 2010 (organized by iF). Its rugged black coating combines to the gold vent grill to further improve the robust and aggressive appearance of these units and reinforce their gaming appearance.

Features

80-PLUS® GOLD CERTIFIED

Up to 93% of efficiency, compliant with the 80-PLUS® GOLD efficiency requirements.

ULTRA-QUIET & TEMPERATURE-CONTROLLED 140mm FAN

The 140mm double ball bearing fan delivers the optimal airflow levels with really low noise levels. This is achieved thanks to the automatic regulation of the PSU Fan's speed according to the unit's temperature.

ADVANCED MODULAR CABLE DESIGN

COUGAR GX's highly advanced modular design uses flat cables that simplify the installation and reduce the levels of air friction, thus maximizing the airflow. Additionally, since only the necessary cables are used, the cable clutter inside the case is kept under control and extra space is left for air to flow.



COMPATIBLE WITH LATEST PC-TECHNOLOGY

**Supports the newest specifications of ATX12V v2.31 and EPS 2.92 standards
Created for usage with current and next-generation multi-core CPU platforms**

SUPPORT FOR MULTI-GPU TECHNOLOGY

Support for PCI Express 2.0 next-generation graphics cards with 8(6+2) pin PCI-E connectors.

105°C JAPANESE CAPACITORS

COUGAR GX's 105°C Japanese capacitors will provide rock-solid performance and long term reliability, delivering 4 times the lifespan of conventional 85°C rated capacitors.

HIGH PERFORMANCE AT 50°C

Non-stop high performance and full rated wattage at 50°C/122°F ambient temperature.

DYNAMIC MULTI-12V

The automatic dynamic load distribution on multi-12V lines provides high voltage stable power independently to the GPU and the CPU. If you are not using all the output lines, the PSU automatically reroutes the needed power from unused lines. This improves the performance and safety of the 12V lines considerably for systems with high-end graphics cards in SLI® or CrossFire® mode.

COMPLIANT WITH THE LATEST ErP Lot6 2013

Standby consumption is <0.3W, compliant with **economy-friendly electrical equipment.**

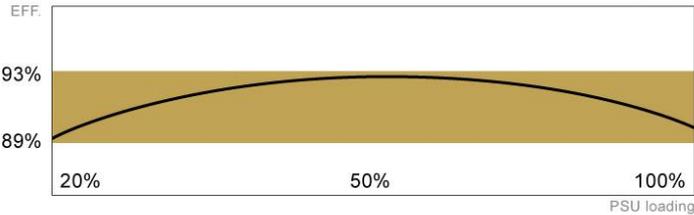
FULL PROTECTIONS INCLUDING OCP, SCP, OVP, UVP, OPP AND OTP



Detailed features

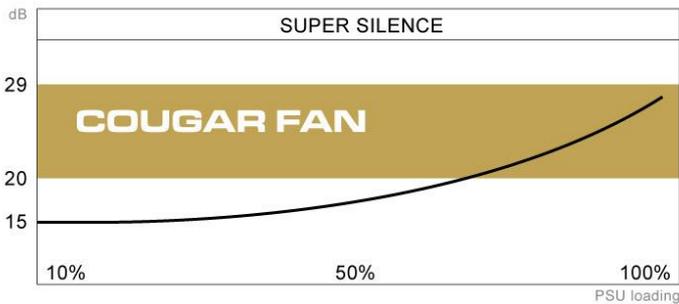
HIGH EFFICIENCY

Up to 93% efficiency with 80-PLUS® GOLD certification.



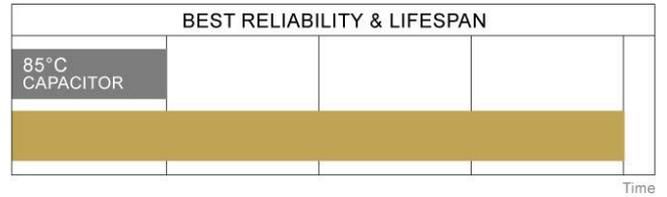
SUPER SILENT & LONG LIFESPAN

Automatic regulation of fan speed according to the unit's temperature.



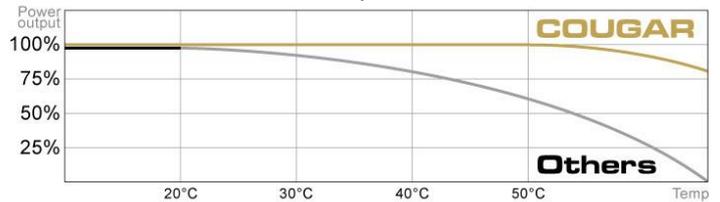
105°C JAPANESE CAPACITORS

Best reliability, reaching 4 times the lifespan of conventional 85°C rated capacitors



HIGH PERFORMANCE AT 50°C

Non-stop high performance and full rated wattage at 50°C/122°F ambient temperature.



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Standby consumption is <0.3W.



Specifications

Rating

Item Name	Input Characteristics			Output Characteristics						
	Voltage	Frequency	Input Current	+3.3V	+5V	+12V1	+12V2	-12V	+5Vsb	Total Output
GX600 G600	100- 240Vac	50-60Hz	10-5A	24A	24A	40A	40A	0.5A	3.5A	600W
125W				588W						
GX800 G800				25A	25A	50A	50A	0.8A	4A	800W
160W				780W						
GX1050 G1050			12-6.3A	25A	25A	60A	60A	0.8A	4A	1050W
160W				1020W						



Connectors

Model	Main connector	CPU connector	CPU connector	Peripheral connector	S-ATA connector	PCI-E 6+2pin connector
	24(20+4)Pins	8(4+4)Pins	8(4+4)Pins	4 Pins	5 Pins	8(6+2)Pins
			8 Pins			
GX600	1	1	0	3	6	4
GX800	1	0	1	4	10	4
GX1050	1	0	1	4	10	6

Protections

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.

OTP (Over Temperature protection)

If the temperature is too high, the PSU automatically switches off.

Safety & EMI certified



Type Approved
Safety
Regular Production
Surveillance
www.tuv.com
ID: 200000000

