

80

PLUS

GOLD



GEX PRO

Outstanding performance and exceptional value

SPECIFICATIONS

- **Operating conditions**
Working temperature: +10°C ~ +40°C
Storage temperature: -40°C~+70°C
Operating humidity (without condensation water): 20%~85% relative humidity
Storage humidity (without condensation water): 5%~95% relative humidity

• **Output power**

Model Name	AC input	DC output					
		+3.3V	+5V	+12V	-12V	+5Vsb	Total
GEX PRO 650 CGR GEXP-650	100-240V~ 50-60Hz 10-5A	20A	20A	54.1A	0.3A	3A	650W
		100W		649.2W	3.6W	15W	
GEX PRO 750 CGR GEXP-750	100-240V~ 50-60Hz 10-5A	20A	20A	62.5A	0.3A	3A	750W
		100W		750W	3.6W	15W	
GEX PRO 850 CGR GEXP-850	100-240V~ 50-60Hz 12-6A	20A	20A	70.8A	0.3A	3A	850W
		100W		849.6W	3.6W	15W	

• **Connectors**

Connector	Main	CPU		Peripheral	S-ATA	12V-2X6	PCI-E
Pin	24 (20+4)	8 (4+4)	8	4	5	12+4	8 (6+2)
GEX PRO 650	1	2		3	8	1	2
GEX PRO 750	1	2		3	8	1	3
GEX PRO 850	1	2		3	8	1	3

ENGLISH

Introduction

Dear customer:
Thank you for choosing a COUGAR® power supply unit. Before the installation please read the manual below carefully. If you have any questions, please contact our customer service:

Warnings and safety notes

Never open the PSU cover. There is potential danger of life due to high voltage inside. The PSU should only be opened by an authorized technician. The manufacture warranty will be void, if the PSU is opened by an unauthorized person.

Do not work on the PSU or the PC as long as the main voltage is still connected.
Switch the I/O button to position "0" and disconnect the power plug from the power network.

Protect the PSU against moisture.

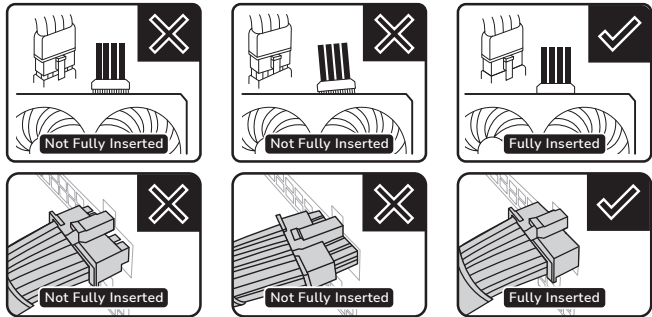
The PSU is suitable for operation at 100-240V~/50-60 Hz and thus universally usable. The ambient temperature should not exceed 40°. Please ensure that there is sufficient ventilation of the entire system.

Make sure during the installation of the PSU that the ventilation slots are not covered. Do not clog the ventilation slots of the PSU. Keep your PC away from direct heat sources such as radiators.

When using an extension cord and/or multiple sockets pay attention to the maximum through-connection ability in order to avoid short-circuits.

During the operation of the PSU pay attention to the maximum loads. The single loads and the total loads must not exceed to cross the values shown in output power table.

Avoid the use of adapters, such as 4Pin Molex to 6+2Pin PCI-Express.



Please make sure the 12V-2X6 Cable has been fully inserted into the cable on the power supply unit and graphics card before use. Leave sufficient space for connecting the 12V-2X6 cable, do not bend or squeeze the cable.

Any malfunction caused by the improper connection will be excluded from the warranty service. COUGAR is not liable for any damage or other consequences caused by disobeying the instructions of the COUGAR user manual.

Trouble shooting

Never work on the PSU yourself. Even long time after its deactivation, life-threatening voltages can still be present in the PSU. Repairs should only be made by authorized specialists.

Working at power sources can lead to life-threatening injuries. If there is smoke, cable damage or intrusion of liquids the PSU has to be immediately disconnected from the power network and must not to be put into operation anymore afterwards.
Never open the PSU. It contains components, which can show high voltages even after long periods of deactivation.
Again, repairs should only be done by authorized specialists!

Problem: After the installation of the new PSU the system does not start.
Possible solutions:

Check the power cord and the power supply of the wall socket and/or multiple socket strip. Also check whether the multiple socket strip can supply the necessary power.

Check all connections within the PC; maybe not all cables are correctly connected.

Check the components for possible short-circuits or defects.

Please also check the other components for compatibility. Often mainboard chipsets are not compatible with all memory and/or graphics card solutions.
Contact the manufacturer of the component to get more information.

If your PSU still does not function even though you have checked sources of errors mentioned above, please get in touch with our customer service.

Advice

This product is not to be disposed in the regular household waste and must be brought to a collection-point for electrical and electronic devices for recycling.
The symbol to the left refers to that and can be found on the product, in the manual or on the packaging.
Materials can be recycled according to their description.
With the reuse, the recycling or other forms of reutilization of old devices you make an important contribution to the protection of our environment.
Please inquire the appropriate location of disposal from your local administration.



- **Support PCI Express 5.1 Graphics Cards 12+4 Pin Connector**
Connect the 12V-2X6 with true 200% power excursion dynamic outputs
- **80 PLUS Gold Certified**
Up to 91% efficiency power conversion to cut down your electricity bill
- **Durable HDB Fan**
Hydro Dynamic Bearing Fan: Extended durability and lower noise levels
- **Compact PSU Size for All PC Cases**
Its 140mm length suits most cases and allows for easy installation
- **Fully Modular Power Supply Unit**
Connect only the cables you need for less clutter and better airflow
- **Fan Curve Tuning**
Advanced technology for noise minimization
- **Compatible with The Lastest PC Technology**
Created for user with current and next-generation multi-core CPU platforms

- **Flawless Operation at 40°C**
Powerful performance at 40°C ambient temperature

Installation/accessories

Before you begin with the installation, please read the section “Warnings and safety notes.”
For the arrangement only use the supplied screws since these have the correct thread.
You need a screwdriver for the correct arrangement.

The following parts are included within the delivery:

- Screws for the PSU assembly
- Power cord (Please only use the power cord which is included; low-quality cords can damage your PSU and your PC-system.)

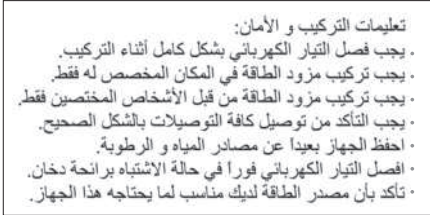
- Brief instruction incl. Information about the warranty

Warranty and information of the manufacturer

For further information of the warranty terms, please read the information of “Guarantee Terms and conditions for COUGAR Power Supply Units (PSU) of the GEX PRO series”.

Legal notices

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COMPUCASE ENTERPRISE CO., LTD. reserves the right to make changes concerning the contents of the manual and the technical data of the product without previous announcement.



Installation of the COUGAR® PSU:

- Place the PSU into its designated place within the case and fix it with the supplied screws.
- First insert the plugs for the mainboard supply (20/24 pin, 4 pin and possibly 8 pin – according to mainboard layout) into the respective slots.
- Connect the disk drives and if necessary the graphics cards to the PSU.
- Close the PC and ensure that the PSU power switch is set to the position "0".

- Connect the PSU to the power network using the supplied power cord. Using only the power cord provided in the package. Low quality power cord may damage the PSU and PC system!

- Turn on the PSU and then start your PC.

Safety functions

OCP (Overcurrent protection)
If the current on a single line is higher than indicated, the PSU automatically switches off.

UVP (Under voltage protection)
If the voltages fall below a certain tolerance value on the single lines, the PSU automatically switches off.

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

OTP (Over Temperature Protection)
If the temperature is too high, the PSU automatically switches off.

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GLOBAL WARRANTYPOLICY

GUARANTEE TERMS AND CONDITIONS FOR
Product : COUGAR POWER SUPPLY UNITS (PSU) OF THE GEX PRO Series
Warranty : Please refer to our official website.
(<https://cougargaming.com/us/support/warranty/>)
保固政策：中国地区购买，请参考中国地区官方网站。
(<http://cougargaming.com.cn/support/warranty/>)

This warranty gives you specific legal rights.
You may also have other rightsgranted under local law.
These rights may vary.

For detailed warranty terms,
please scan the QR code.

详细保固条款
请扫描二维码

COUGAR provides a limited warranty on GEX PRO series against manufacturing defects in materials and workmanship.
During this period, defects in material or workmanship will be repaired or restored with spare parts. To make use of the warranty service, the customer contact the retailer where the PSU was bought and provide a copy of the invoice and an error description.
Compucase will only support directly if the retailer is not reachable repeatedly.
In the case of direct support by Compucase, the end user shall be responsible for packing the product properly and will assume all transportation costs.
Compucase's warranty does not cover any of the following:

- Damages due to acts of nature (e.g. Lightning, Water, Fire and so on)
- Accessory or consequential damages that happened by using or not using the PSU
- Damages caused by misuse of the PSU or caused by negligence
- Loss of information or data, software or applications
- Damages caused by opening or modifying the PSU without previous accordance
- Damages caused by using or installing the PSU under conditions outside of the technical
- Cryptocurrency mining may cause warranty void specifications which are described in the attached manual

This warranty is valid only for the first end user or consumer and is restricted to the above named period.



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Official website

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