



COUGAR STX 600

type	600 Watt ATX 12V v2.3 standard PS/2 power supply
PFC	active
connectors	- 1 x 24 (20+4) Pin Mainboard (450mm) - 1 x 8 Pin EPS 12V (4+4) - 2 x 8 Pin PCIe (6+2) - 5 x 15 Pin S-ATA - 3 x 4 Pin P-ATA
temperature range	10~40°C
efficiency at 230V	78% at 10% load
	82% at 20% load
	85% at 50% load
	82% at 100% load
safety functions	Overvoltage protection (OVP) Overload protection (OLP/OPP) Short-circuit protection (SCP) Undervoltage protection (UVP)
PSU fan	120mm sleeve bearing, load-/temperature controlled
MTBF (at 25°C)	100.000 hours
total harmonic distortion	14,34%
dimensions (W/H/D)	150mm/86mm/140mm
guidelines	ErP/EuP 2014 (2009/125/EG); RoHS, REACH, TÜV, CE

output characteristics						
output	+3.3 V	+5 V	+12 V1	+12 V2	-12 V	+5 VSB
max. load	24 A	20 A	30 A	22 A	0.3 A	3 A
max. combined power	130 W		574 W			
total power 600W						

input characteristics
AC 200-240Vac, 50Hz, 5A



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Features

- **Extremely High Efficiency**
up to 85% Efficiency
- **Compatible with the latest PC-Technology**
- **Support Multi-GPU Technology**
8(6+2) Pin PCI-Express Connector for Next-Generation Graphic Cards
- **Extremely quiet and temperature controlled 120mm fan**
- **Optimized board layout**
Perfect Airflow for optimal cooling
- **Active Power Factor Correction (Active PFC)**
PF up to 99%
- **Compliant with the latest EU-Guidelines**
Energy consumption in Standby < 0,5W
- **Full Protections with: UVP, OVP, SCP, OPP**

Safeties

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 (Overload protection)

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