



# CMX

CMX 550/ CMX 700  
CMX 1000/ CMX 1200



## TECHNICAL DETAILS & SPECIAL FEATURES

### EXTREMELY HIGH EFFICIENCY

Up to 89% of efficiency, compliant with 80-PLUS<sup>®</sup> Bronze @115V efficiency requirement .

### DC-DC TECHNOLOGY (1000CMX/1200CMX)

DC-DC technology provides highest efficiency, most stable performance, and perfect regulation (Regulation <3%).

### COMPATIBLE WITH LATEST PC-TECHNOLOGY

Supports the newest specifications of ATX12V  
Created for usage with current and next-generation multi-core CPU platforms.

### SUPPORT MULTI-GPU TECHNOLOGY

Support PCI Express 2.0 next-generation graphic card with 8(6+2)pin PCI-E connector

### HIGHEST DURABLE & RELIABLE SOLID CAPS FOR 12V,3.3V,5V (1000CMX/1200CMX)

The best solution for a High-End PSU by using solid caps for 12Vs, 3.3V, 5V, solid caps provide highest efficiency, best reliability, and extend power lifespan.

### 105 °C JAPANESE CAPACITORS

COUGAR use highest durable 105°C Japanese capacitors provide uncompromised performance and reliability, delivering 4 times the lifespan of conventional 85°C rated capacitors.

### HDB (Hydro-Dynamic Bearing) 14cm FAN

Advanced HDB (HYDRO-Dynamic Bearing) fan provide best lifespan and super silent performance.  
Temperature-controlled design adapts its rotating speed to the PSU temperature. Even on its highest rotating level the fan is still quiet enough to be barely noticeable.

### DYNAMIC MULTI-12V

Automatic dynamic load distribution on multi-12V line to provide power separately to the GPU and the CPU. 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<sup>®</sup> or CrossFire<sup>®</sup> mode. and provide high voltage stability to keep components safe.



[www.cougar-world.com](http://www.cougar-world.com)



## TECHNICAL DETAILS & SPECIAL FEATURES

### FLEXIBLE CABLE MANAGEMENT

The modular cables that reduce air friction to help maximize airflow through the PC case. The modular design also simplifies installation as it allows unprecedented flexibility in using only those cables which are needed.

### COMPLIANT WITH LATEST EUROPEAN DIRECTIVE 2009/125/EC (ErP)

### SUPPORTS THE ENERGY STAR 5.0

Compatible with Energy star 5.0 computer system.

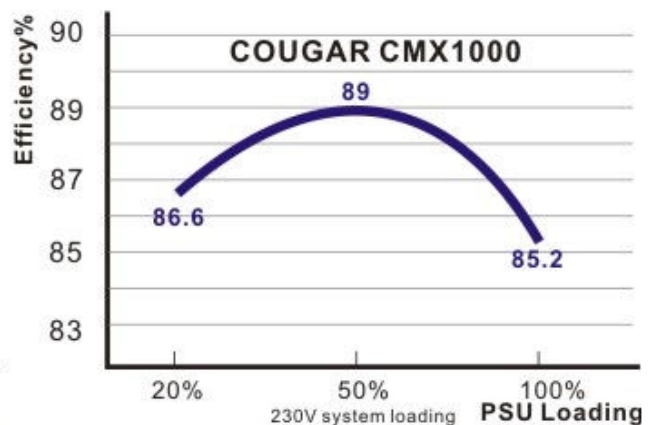
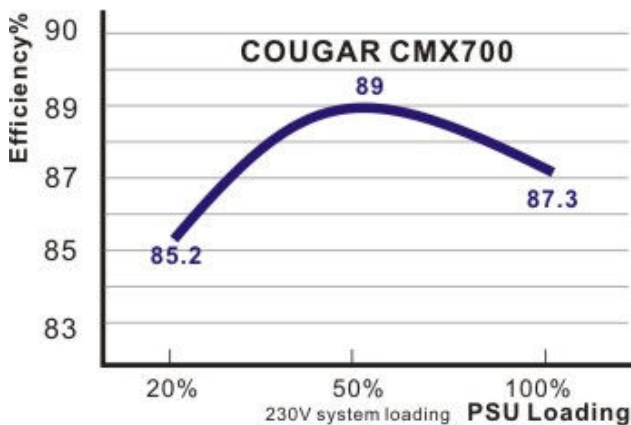
### FULL PROTECTIONS WITH OCP, SCP, OVP, UVP, OPP

## 80 PLUS BRONZE CERTIFICATION

Up to 89% of efficiency, compliant with 80-PLUS® BRONZE efficiency requirement . Due to the extremely high efficiency of the COUGAR® CMX-series you can reduce your electricity costs in spite of high performance.



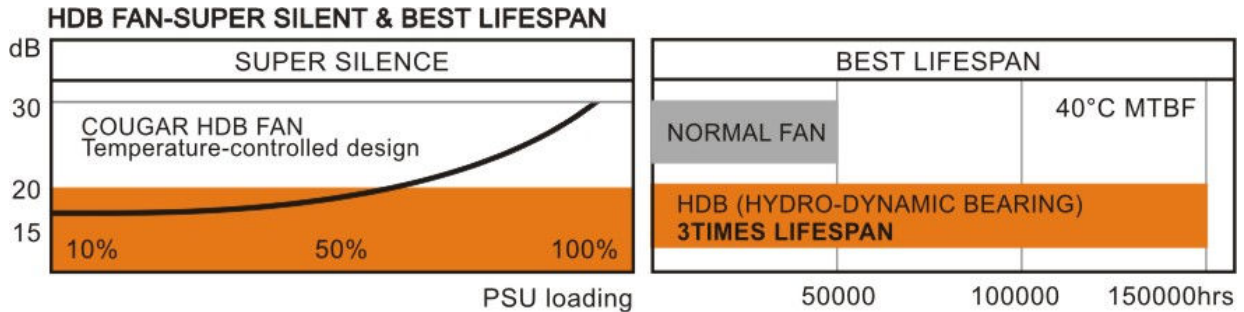
COUGAR CMX  
550/700/1000/1200





## TECHNICAL DETAILS & SPECIAL FEATURES

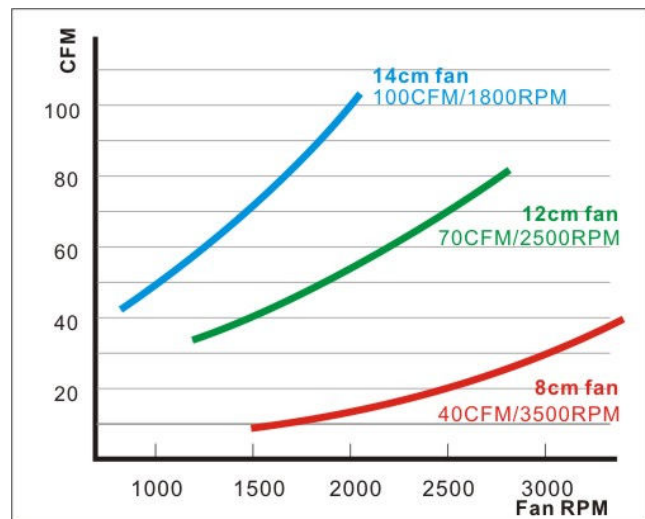
### HDB (Hydro-Dynamic Bearing) 140mm FAN



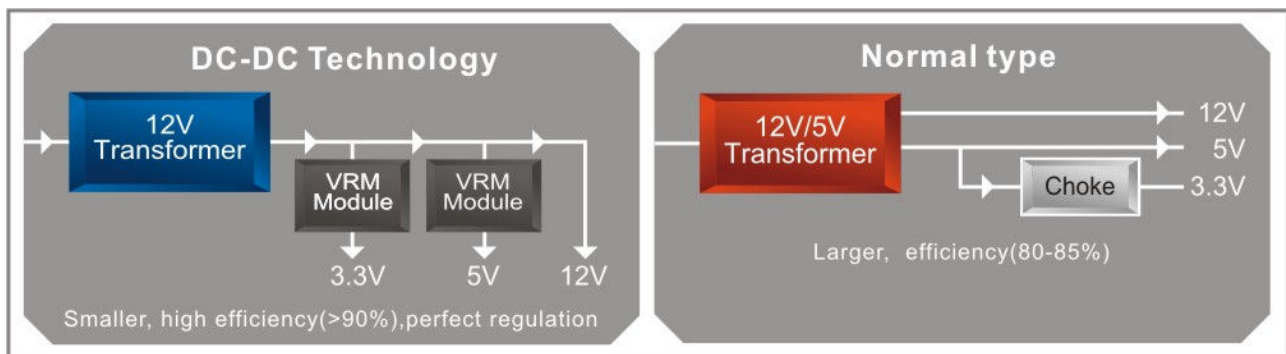
Advanced HDB (HYDRO-Dynamic Bearing) fan provide best lifespan and super silent performance. Temperature-controlled design adapts its rotating speed to the PSU temperature. Even on its highest rotating level the fan is still quiet enough to be barely noticeable.

### 140mm FAN DESIGN

Better CFM means fan can provide better air flow and cooling performance. 140mm and 120mm fan can provide much better air flow just require low rpm than 80mm fan, therefore, 140mm fan is much better cooling performance, but is extremely low noise and longer life of the fan.



### DC to DC TECHNOLOGY



DC-DC technology for switching PSU has smaller volume, the highest efficiency, the most stable performance, and perfect regulation.(COUGAR CMX1000/1200)



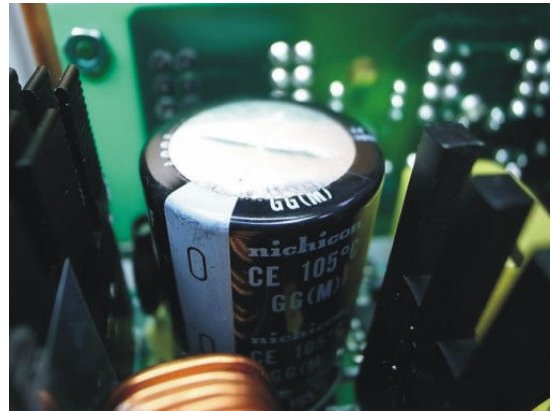
## TECHNICAL DETAILS & SPECIAL FEATURES

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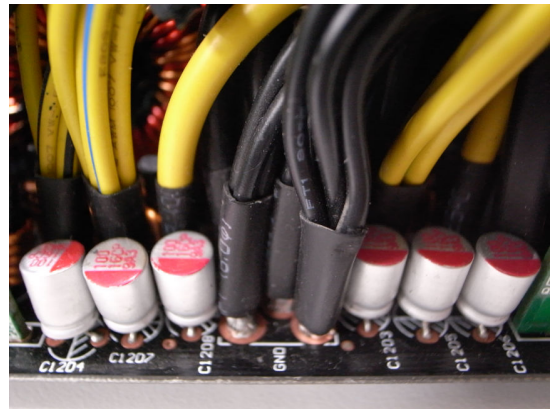
BEST RELIABILITY & LIFESPAN			
85°C CAPACITOR			MTBF
JAPANESE 105°C CAPACITOR- 4 TIMES LIFESPAN			

Time



### HIGHEST DURABLE & RELIABLE SOLID CAPS FOR 12V,3.3V,5V

The best solution for a High-End PSU by using solid caps for 12Vs, 3.3V, 5V, solid caps provide highest efficiency, best reliability, and extend power lifespan. (COUGAR CMX1000/1200)



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## SPECIFICATION

### RATING

Model Name	AC Input	DC Output										Total output	80 Plus
		+3.3V	+5V	+12V1	+12V2	+12V3	+12V4	+12V5	+12V6	-12V	+5Vsb		
CMX 550	AC 110-240V 50-60Hz 10A	24A	15A	28A	20A	-	-	-	-	0.3A	3A	550W	
		120W		480W		-		-					
CMX 700	AC 110-240V 50-60Hz 10A	24A	20A	30A	30A	-	-	-	-	0.3A	3A	700W	
		150W		648W		-		-					
CMX 1000	AC 115-240V 50-60Hz 15-10A	30A	30A	24A	24A	24A	24A	28A	28A	0.8A	4A	1000W	
		175W		960W									
CMX 1200	AC 115-240V~ 50-60Hz 17-10A	30A	30A	24A	24A	24A	24A	28A	28A	0.8A	4A	1200W	
		175W		1080W									

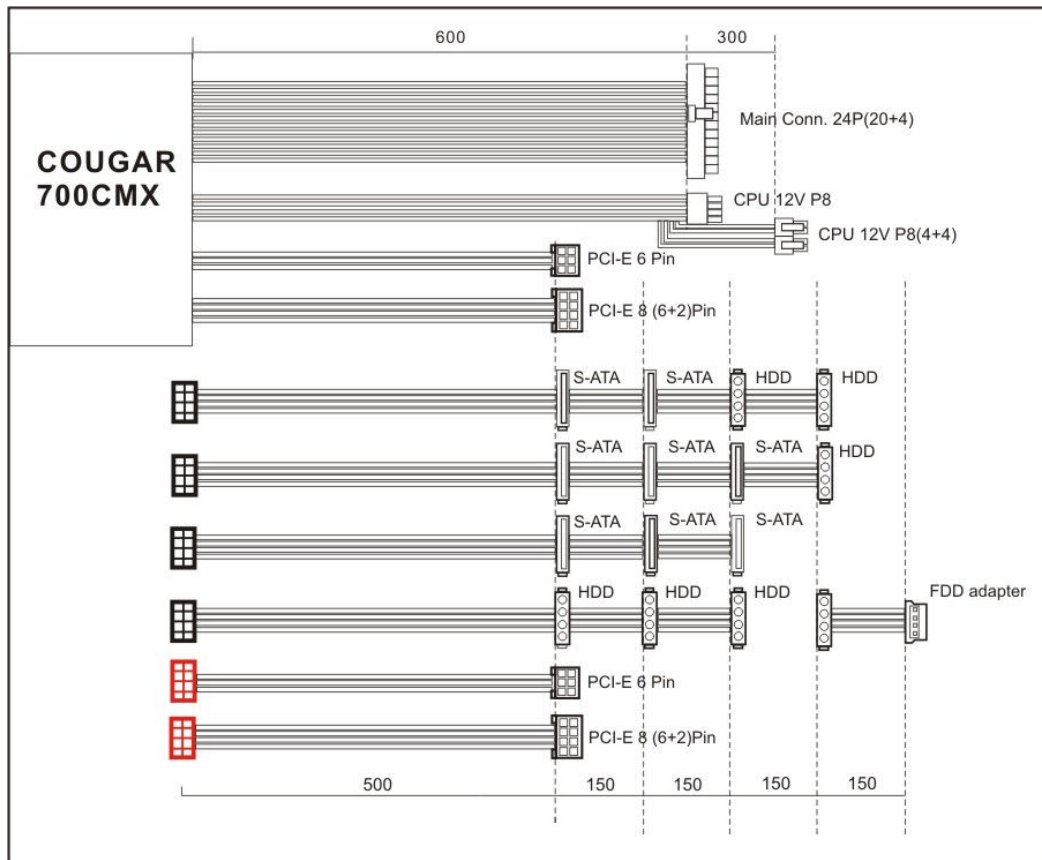
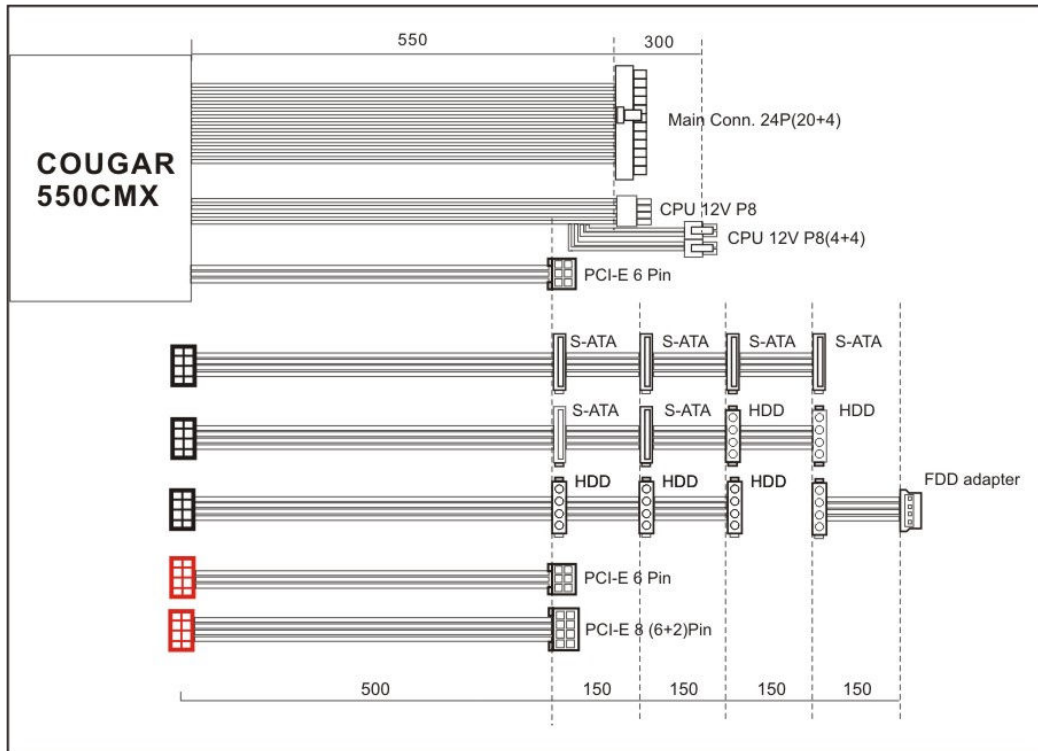
### CABLES & CONNECTORS

Connector	Main Conn.	Molex Conn..	Floppy adapter.	CPU Conn.	S-ATA Conn.	PCI-E Conn.	PCI-E Conn.
Pin	24(20+4) Pins	4 Pins	4 Pins	-	5 Pins	6 Pins	8(6+2) Pins
CMX 550	1	5	1	8P+8(4+4) P	6	2	1
CMX 700	1	6	1	8P+8(4+4) P	8	2	2
CMX 1000	1	7	1	8P+8(4+4) P+4P	10	2	4
CMX 1200	1	7	1	8P+8(4+4) P+4P	12	2	4

	Main Conn.	Molex Conn.	Floppy adapter.	ATX/EPS 12VConn	ATX/EPS 12VConn	ATX/EPS 12VConn	S-ATA Conn.	PCI-E Conn.	PCI-E Conn.
Pin	24(20+4)	4pins	4pins	8pins	8(4+4)p	4Pins	5pins	6pins	8(6+2)p
CMX 550	Native	1	-	1	1	-	-	1	-
	Modular	-	5	1	-	-	6	1	1
CMX 700	Native	1	-	1	1	-	-	1	1
	Modular	-	6	1	-	-	8	1	1
CMX1000	Native	1	-	1	1	1	-	1	1
	Modular	-	7	1	-	-	10	1	3
CMX1200	Native	1	-	1	1	1	-	1	1
	Modular	-	7	1	-	-	12	1	3

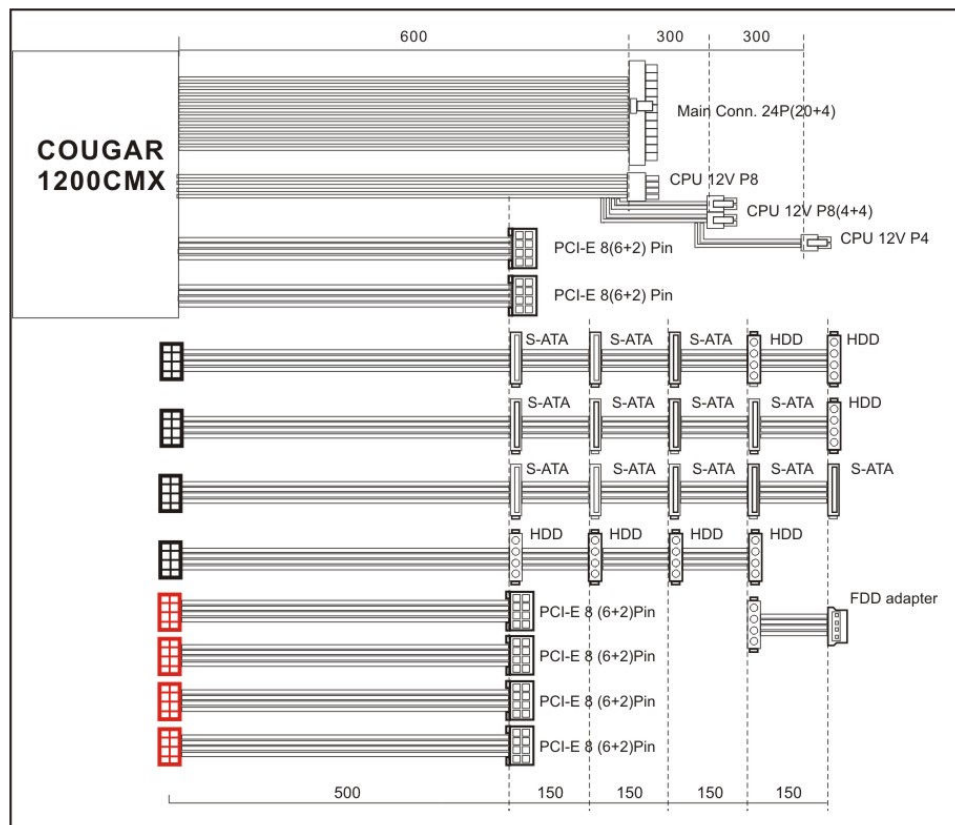
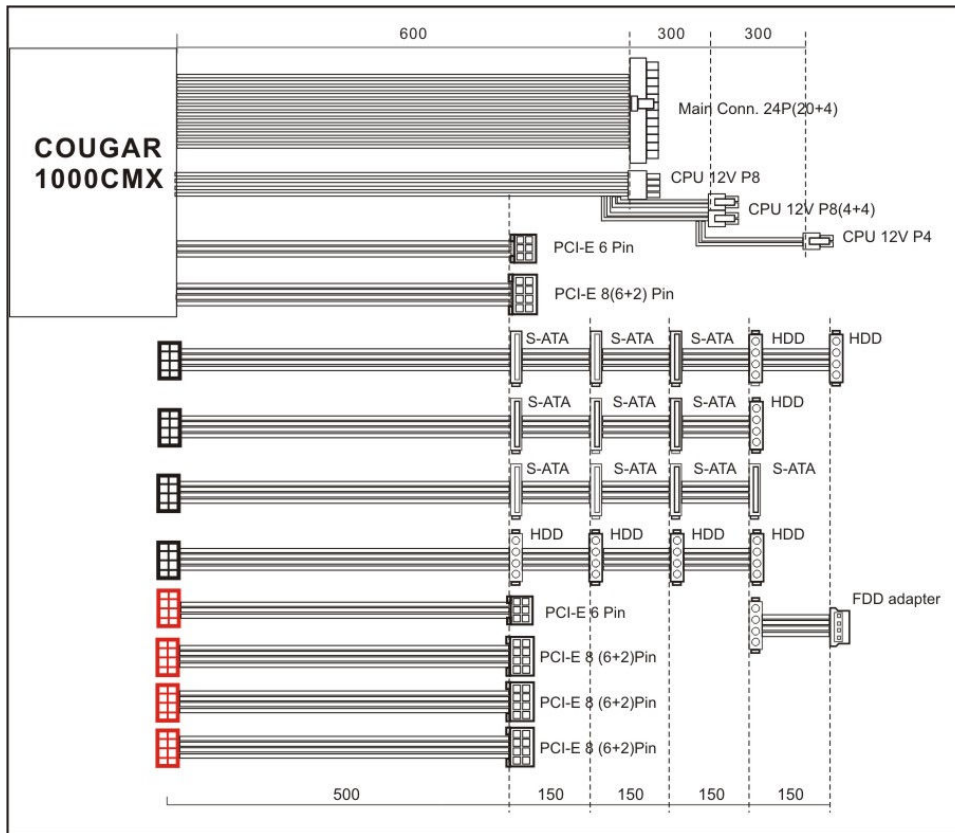


## SPECIFICATION





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### DIMENSIONS

Dimension (L*W*H) mm	180 x 150 x 86 (CMX 1000/1200) 160 x 150 x 86(CMX 550/700)
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### 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:

