

sharkoon



SILENT STORM COOL ZERO





FULLY MODULAR AND RYZEN COMPATIBLE

Due to the fully modular cable system only the cables are used on the power supply which are actually required for connecting the hardware and peripherals. The complete cabling and the case interior remain tidy, and the airflow is not unnecessarily hindered. Because of sockets for two 4+4-pin CPU connectors, 100% compatibility with AMD RYZEN mainboards is guaranteed.



80 PLUS GOLD CERTIFIED

The SilentStorm Cool Zero has been certified with 80 PLUS Gold, achieving at least 90% efficiency at 50% load as well as 87% efficiency at 20% and 100% load. This validates that the power supply is highly cost effective and suitable for energy conscious users.



HIGH QUALITY COMPONENTS

The exclusive use of Japanese capacitors, rated to 105°C, and a 135 mm fan with a fluid dynamic bearing provide a quiet and reliable operation with an average life cycle of over 100,000 hours.



SELECTABLE FAN FUNCTIONS

Zero RPM
Fan Mode



Fan Delay
Mode



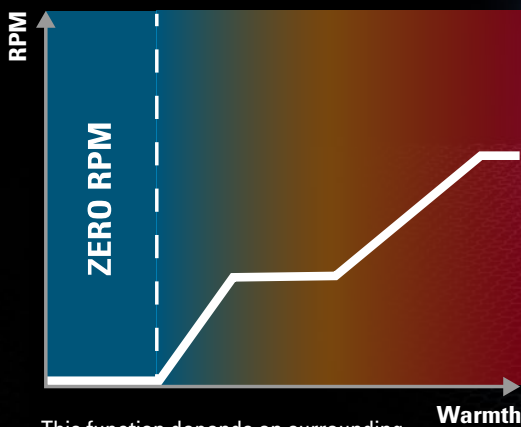
ZERO RPM MODE

The Zero RPM mode enables a noise free operation at low to moderate loads. When the mode is deactivated, the fan runs at low speed to produce a constant airflow.

FAN DELAY MODE

When the fan delay mode is activated, the power supply fan continues to run for 60 seconds after the system has been switched off. Thus hot spots can be avoided, and remaining waste heat is transported out of the system.

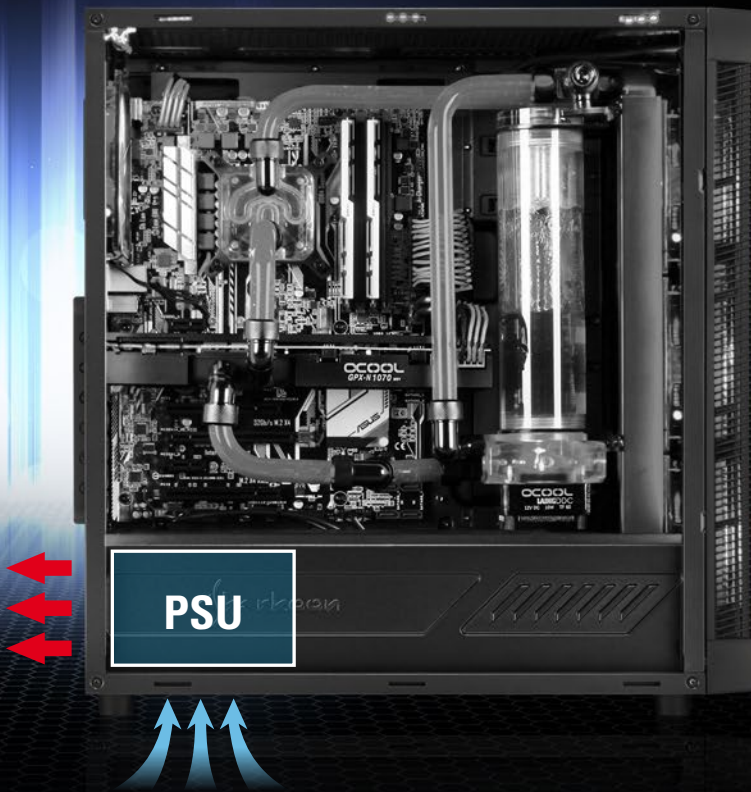
FAN SPEED



This function depends on surrounding conditions and can therefore vary.

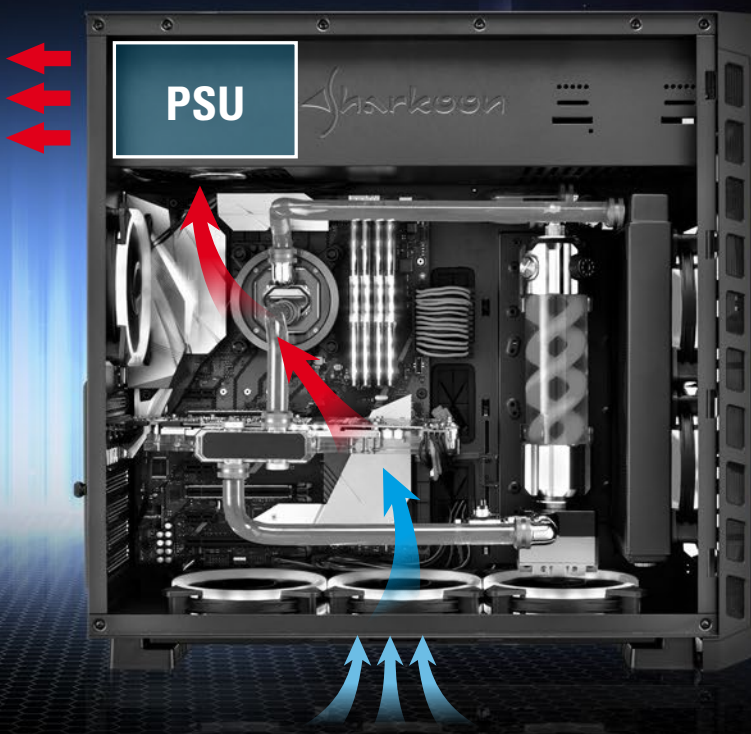


COOLING OPTIONS FOR VARIOUS INSTALLATION POSITIONS



POWER SUPPLY ON THE CASE BOTTOM:

When the power supply is positioned below in the case, cool air is drawn from underneath the case and transported to the rear out of the housing as waste heat. The air circulation of the power supply is largely separated from the air circulation in the rest of the case. Here, the use of Zero RPM mode is particularly recommended as the air intake is only needed for cooling the power supply, and the fan rotation can be stopped for noiseless operation over especially long periods. When necessary, the fan delay mode provides additional dissipation of warmth from the power supply when the system is turned off.



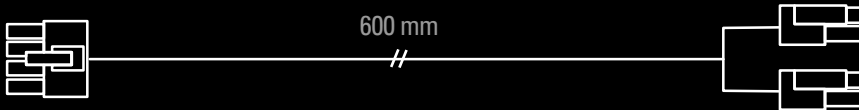
POWER SUPPLY UNDERNEATH TOP PANEL:

When the power supply is positioned above in the case, warm air is drawn in from the inside of the casing and transported to the rear out of the case. The air circulation of the power supply is combined with the air circulation in the rest of the case. When the Zero RPM mode is off, air circulation in the upper part of the case is provided, effectively cooling voltage regulators of water cooling systems, for example. Since the heat level in the entire housing is constantly raised, the use of the fan delay mode is particularly recommended. This helps to protect all installed components and increase their service life.

CONNECTION OPTIONS AND CABLE DIAGRAM



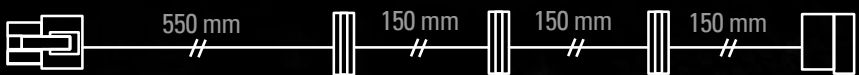
1x 24-Pin Mainboard Connector



2x 4+4-Pin CPU Connector
RYZEN Compatibility



2x 2x 6+2-Pin PCIe Connector



3x 4x SATA Connector



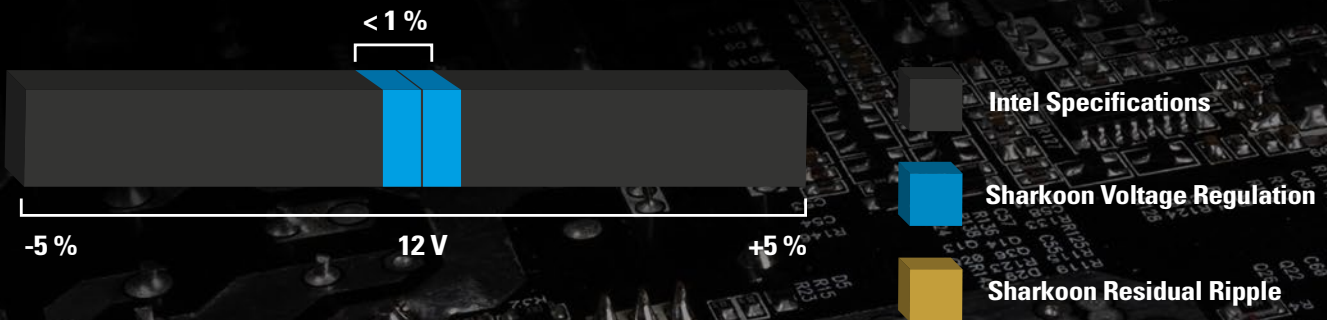
1x Adapter Cable (SATA to Floppy)
2x Adapter Cable (SATA to IDE)

**INCLUDED
CABLE BAG**

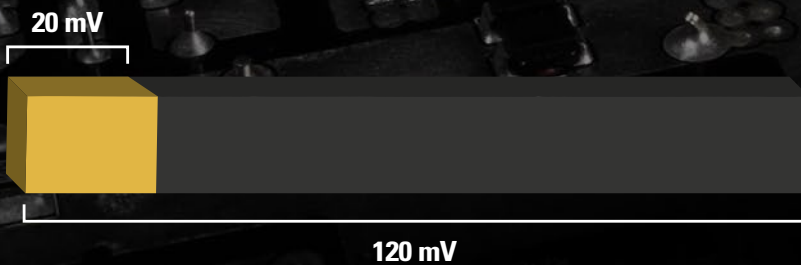


STABILITY AND LONGEVITY FOR YOUR HARDWARE

ULTRA-STABLE VOLTAGE REGULATION



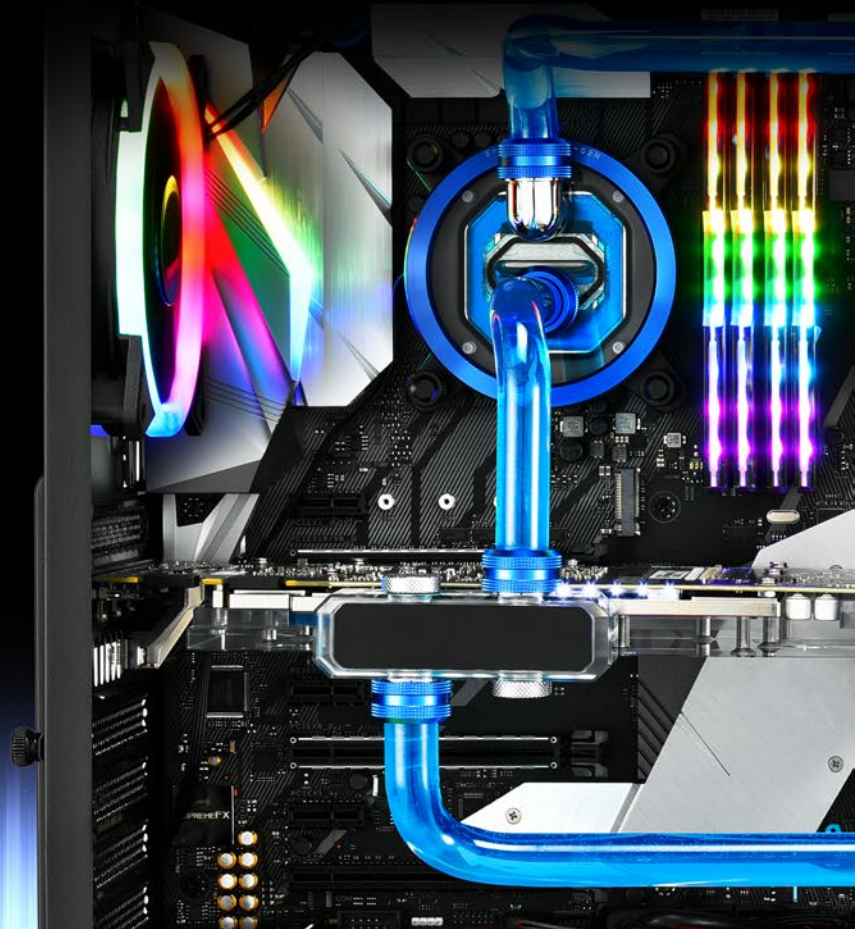
LOW RESIDUAL RIPPLE



With modern LLC resonant converter technology, the power supply unit provides a constant and reliable voltage with minimum noise and heat levels.

OPTIMIZED SAFETY AND PROTECTION

The SilentStorm Cool Zero supports all common safety functions with over current and over voltage protection, under voltage protection, short circuit protection and over temperature and over power protection. In addition, the device corresponds to CE, FCC and CB safety standards.



SPECIFICATIONS



Model	SilentStorm Cool Zero 650				
Input (AC)	Voltage		Current	Frequency	
		100 V - 240 V ~		10 A	50 Hz - 60 Hz
Output Voltage (DC)	+3.3 V	+5 V	+12 V	-12 V	+5 Vsb
Max. Output Current	22 A	22 A	54.2 A	0.3 A	3 A
Max. Combined Power	120 W		650 W	3.6 W	15 W
Total Power	650 W				

Model	SilentStorm Cool Zero 850				
Input (AC)	Voltage		Current	Frequency	
		100 V - 240 V ~		10 A	50 Hz - 60 Hz
Output Voltage (DC)	+3.3 V	+5 V	+12 V	-12 V	+5 Vsb
Max. Output Current	22 A	22 A	70.9 A	0.3 A	3 A
Max. Combined Power	120 W		850 W	3.6 W	15 W
Total Power	850 W				

Model	SilentStorm Cool Zero 750				
Input (AC)	Voltage		Current	Frequency	
		100 V - 240 V ~		10 A	50 Hz - 60 Hz
Output Voltage (DC)	+3.3 V	+5 V	+12 V	-12 V	+5 Vsb
Max. Output Current	22 A	22 A	62.5 A	0.3 A	3 A
Max. Combined Power	120 W		750 W	3.6 W	15 W
Total Power	750 W				

