



SILENTSTORM COOL ZERO

The SilentStorm Cool Zero is a power supply unit certified with 80 PLUS Gold. It is equipped with modern LLC resonant converter technology and only with quality Japanese capacitors rated to 105 °C. The fully modular assembly guarantees a tidy installation and appearance. The optional fan delay mode and Zero RPM mode ensure an optimal and highly adaptable cooling operation depending on the installation position.

Features

EFFICIENT AND SAFE

The SilentStorm Cool Zero is certified with 80 PLUS Gold, achieving at least 90 % efficiency at 50 % load as well as 87 % efficiency at 20 % and 100 % load. In addition, the power supply unit is equipped with all common safety features to protect against damage: Over current and over voltage protection, under voltage protection, short circuit protection and over temperature and over power protection are all supported.

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.

ADJUSTABLE COOLING

In the fan delay mode, the PSU fan can, if required, continue to run for 60 seconds after shutdown to ensure a complete cooling of the system. In addition, with the Zero RPM mode, the fan rotation can be stopped at low to moderate loads, thus enabling a noise free operation.

ULTRA-STABLE VOLTAGE REGULATION

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

FULLY MODULAR AND READY FOR HIGH-PERFORMANCE SYSTEMS

All the cables of the SilentStorm Cool Zero are modular and can be used according to individual requirements. A handy cable bag is included for cables which are not being used. The two 4+4-pin CPU cables ensure that modern energy hungry systems can also be operated.

Specifications

Product Name	SilentStorm Cool Zero
Housing Color	Black
Continuous Power	650 W, 750 W, 850 W
Form Factor	ATX 2.4
Haswell Ready	✓
ErP Compliant	✓
Warranty	5 Years*
Active PFC	✓
Technology	LLC + DC/DC
All-Japanese Capacitors	✓
MTBF	Min. 100,000 Hours
Operating Temperature	0 °C - 40 °C
Standby Power Consumption	0.16 W
Weight incl. Cables	2.6 kg
Dimensions (L x W x H)	150 x 160 x 86 mm

* Valid only in countries with an applicable manufacturer's warranty. See warranty terms on the manufacturer's website.

Input

Voltage	100 - 240 VAC
Frequency	50 - 60 Hz
Input Current (110/230 V)	10 A

Output

12 V Rail(s)	1
Load 3.3 V / Load 5 V	22 A / 22 A
Max. Combined Power 3.3 V + 5 V	120 W
Load 12 V1	SilentStorm Cool Zero 650 W: 54.2 A SilentStorm Cool Zero 750 W: 62.5 A SilentStorm Cool Zero 850 W: 70.9 A
Max. Combined Power 12 V	SilentStorm Cool Zero 650 W: 650 W SilentStorm Cool Zero 750 W: 750 W SilentStorm Cool Zero 850 W: 850 W
Load 5 V _{SB}	3 A
Load -12 V	0.3 A

Fan

Fan Size	135 mm
Bearing Type	Fluid Dynamic Bearing

Safety Certifications

CE	✓
FCC	✓
CB	✓





Specifications

Cable and Connectors

Cable Configuration	Fully Modular
Length of Mainboard Cable	55 cm
Length of CPU Cable	60 cm
Length of PCIe Cable	55 cm
Cable Length to First Peripheral	55 cm
20+4-Pin Mainboard Connector	1
4+4-Pin CPU Connector	2
6+2-Pin PCIe Connector	4
SATA Connector	12
IDE Connector	2 (via Adapter)
Floppy Connector	1 (via Adapter)
Weight incl. Cables	2.6 kg
Dimensions (L x W x H)	150 x 160 x 86 mm

Protections

OCP (Over Current Protection)	✓
OVP (Over Voltage Protection)	✓
UVP (Under Voltage Protection)	✓
SCP (Short Circuit Protection)	✓
OTP (Over Temperature Protection)	✓
OPP (Over Power Protection)	✓

Package Contents

SilentStorm Cool Zero, Manual, Power Cord, Cable Bag, Set of Modular Cables, Mounting Screws

EAN Code

SilentStorm Cool Zero 650 W	4044951026463
SilentStorm Cool Zero 750 W	4044951026470
SilentStorm Cool Zero 850 W	4044951026487