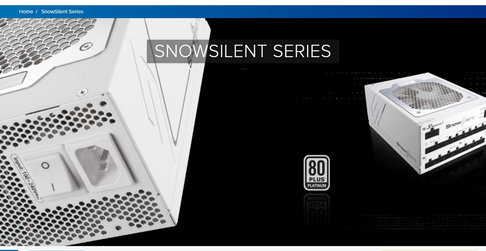


SNOWSILENT SERIES

products. These units are advanced silent performers with Seasonic's upgraded S3FC fan control and 120 mm FDB (Fluid Dynamic Bearing) fan.

- ATX 12 V
- *Fully modular*

80 PLUS PLATINUM

USER MANUAL | DATASHEETS

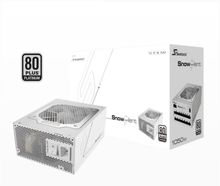
WATTAGE CALCULATOR

COMPARE PRODUCTS

OVERVIEW

80 PLUS® PLATINUM

The higher the level of efficiency of the power supply, the less power gets wasted in the form of excess heat . The 80 PLUS® Platinum certification guarantees greater than 90 %, 92 % and 89 % efficiency at 20 %, 50 % and 100 % operating loads, respectively.



The Seasonic Platinum Series represents the highest level of technology and efficiency achievement of Sea Sonic during its 40 years of commitment to engineering excellence.

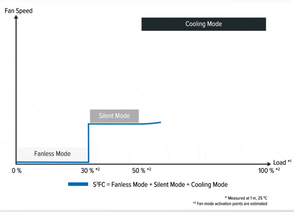
HYBRID SILENT FAN CONTROL

The industry's first, Seasonic patented, advanced three-phased thermal control achieves optimal between silence and cooling. This Hybrid Silent Fan Control functions in three operational stages: Fanless Mode, Silent Mode, and Cooling Mode.

BENEFITS OF THIS DESIGN

- Reduced noise without increase in temperature;
- Extended fan life due to the reduced number of fan rotations;
- Optimized heat dissipation at all times;
- Unsurpassed silent performance in Fanless Mode.

Additionally, there is a switch at the back of the power supply which allows users to customize their cooling needs by selecting between the Seasonic S2FC (fan control without Fanless Mode) and the S3FC (fan control including Fanless Mode).



*1 Measured at 1 m, 25 °C
*2 Fan mode activation points are estimated

SANYO DENKI FAN

The world-renowned Sanyo Denki ball bearing fans are made of the highest quality components to ensure ultra-low noise performance. The fan's perfect balance and even rotations are achieved via the use of spoon-shaped, high-density plastic fan blades that are finished off with smoothed leading edges. Sanyo Denki fans are known for their strict tolerance ball bearings and precision copper axels. Instead of the industry standard of two balancing points they use three points to strengthen the mount and further stabilize the blade.

DUAL COPPER BARS

Due to their increased diameter, pure copper bars carry high current much more effectively than the traditional copper strips. If the goal is to achieve high quality power conversion with stable power output and minimized loss, it is very important that power conduction in the high wattage area remains extremely efficient, because it also reduces impedance and minimizes voltage drop as the load increases. (The feature only applies to P-1200 and P-1050)

105 °C JAPANESE CAPACITOR

Premium quality Japanese capacitors with 105 °C rating increase overall reliability and extend product life.

STABLE VOLTAGE REGULATION (2 %)

Improved voltage regulation stays well within Intel's specifications to ensure smooth operation and protect all system components.

FEATURE SUMMARY

- 80 PLUS® Platinum certified
- Stable Voltage Regulation (2 %)
- DC to DC Converter Design
- S3FC - Fanless until 40 % load
- Multi-GPU setup
- Gold plated connectors
- 7 years warranty

GALLERY

SPECIFICATIONS

SS-1050XP3-SNOWSILENT

Technical Specifications		
80PLUS®		Platinum
Form Factor		Intel ATX 12 V
Dimensions		150 mm (W) x 190 mm (L) x 86 mm (H)
Fan Information	Fan Size	120 mm
	Fan Control	New Seasonic S3FC
	Fan Bearing	Double Ball Bearing
	Life Expectancy	70,000 at 40 °C, 15 % - 65 % R.H.
Cable Information	Modularity	Fully Modular
	Cable type	Flat black cables
Electrical Features	Operating Temperature	0 - 50 °C (derating from 100 % to 80 % from 40 °C to 50 °C)
	MTBF @ 25 °C, excl. fan	150,000 hours
	AC Input	Full Range
	Protection	OPP, OVP, UVP, OCP, OTP, SCP
Safety and Environmental	Safety and EMC	cTUVus, TUV, CB, CCC, BSMI, EAC, RCM, CE
	Environmental Compliance	Energy Star, RoHS, WEEE, ErP Lot 6, REACH
Warranty		7 Years

Power Output						
AC Input	Voltage: 100 V - 240 V					
	Current: 13-6.5 A					
	Frequency: 50 Hz - 60 Hz					
DC Output	Rail	+3.3 V	+5 V	+12 V	-12 V	+5 VSB
	Maximum Power	25 A	25 A	87 A	0.5 A	3 A
		125 W		1050 W	6 W	15 W
	Total continuous power	1050 W				

CABLES

SS-1050XP3-SNOWSILENT

Connector	Connector Count	Cable Length
Main Power (24/20 pins)	1	1 x 610 mm - modular
CPU (8/4 pins)	2	1 x 650 mm - 8/4pins modular 1 x 650 mm - 8 pins modular
PCIe (8/6 pins)	10	5 x 550 + 100 mm - modular
SATA	14	4 x 400 + 120 + 120 + 120 mm - modular 1 x 300 + 120 mm - modular
Peripheral	5	1 x 400 + 120 + 120 mm - modular 1 x 300 + 120 mm - modular
Floppy	1	1 x 101 mm - modular

Specifications are subject to change without prior notice.

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