

Seasonic Focus GX-1000 power supply unit



Artikel	132037
Herstellernummer	FOCUS GX-1000
EAN	4711173878049
Seasonic	

80 PLUS® GOLD

The FOCUS GX achieves 80 PLUS® Gold certification with its 90 % efficiency at 50 % system load.

CABLE-FREE CONNECTION DESIGN

Seasonic's engineers have implemented a new design feature, where instead of cables; the back panel and the PCB (Printed Circuit Board) are connected by a copper plate. This breakthrough solution not only lowers the chance of production errors during manual insertion but it also improves output power quality.

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

- 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).

THE FAN CONTROL BUTTON

The fan control button can be found on the back of the FOCUS PLUS power supply, next to the power switch. The image here illustrates how to select different fan control modes to suit your need.

DO NOT press the button if you wish to include the Fanless Mode, which means the fan in the power supply will not spin when the power supply is under light loads. Press the button if you wish to have the fan spin at all times, even at lower loads.

FLUID DYNAMIC FAN BEARING

High performance Fluid Dynamic Bearing (FDB) fans are designed to take advantage of the impact absorbance effects of oil. They are extremely reliable and generate considerably less operating noise and heat than ball bearing fans. The lubrication of the bearing surface reduces friction and vibration and therefore lowers overall power consumption. Due to the effortless, quieter rotations and its robust construction, this reliable fan technology also greatly increases the lifespan of the fan.

HOW IT WORKS

When the fan shaft rotates, high pressure oil drifts along the grooves of the bearing sleeve to generate a thin layer of lubrication between the bearing faces. As the speed increases, so does dynamic oil pressure and the shaft is lifted from the bearing to create smooth, effortless rotations. The herringbone shape of the groves helps to efficiently channel the lubricant and avert leakage.

Zusammenfassung

80 PLUS® GOLD

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Seasonic Focus GX-1000, 1000 W, 100 - 240 V, 50 - 60 Hz, 13 - 6.5 A, 125 W, 996 W

Seasonic Focus GX-1000. Total power: 1000 W, AC input voltage: 100 - 240 V, AC input frequency: 50 - 60 Hz. Motherboard power connector: 20+4 pin ATX, Motherboard power cable length: 61 cm, SATA power cable length: 450,570,700,760,810,860 mm. Purpose: PC, Power supply unit (PSU) form factor: ATX, 80 PLUS certification: 80 PLUS Gold. Product colour: Black, Cooling type: Active, Fan diameter: 12 cm. Cables included: AC

Merkmale

Logistics data

Harmonized System (HS) code 84733020

Weight & dimensions

Width	150 mm
Depth	140 mm
Height	86 mm

Operational conditions

Operating temperature (T-T) 0 - 50 °C

Design

Product colour	Black
Cooling type	Active
Fan diameter	12 cm

Packaging content

Cables included	AC
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Packaging data

Package type	Box
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Technical details

Sustainability certificates	RoHS, ENERGY STAR
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Number of fans	1 fan(s)
On/off switch	Y

Performance

80 PLUS certification	80 PLUS Gold
Purpose	PC
Power supply unit (PSU) form factor	ATX
Bearing technology	FDB
Mean time between failures (MTBF)	100000 h
Safety	cTUVus, TUV, CB, CCC, BSMI, EAC, CE
Certification	WEEE, ErP Lot 6, REACH

Ports & interfaces

Motherboard power connector	20+4 pin ATX
Motherboard power cable length	61 cm
Number of SATA power connectors	10
SATA power cable length	450,570,700,760,810,860 mm
Peripheral (Molex) power connectors (4-pin)	5
Peripheral (Molex) power cable length	690 mm
PCI Express power connectors (6+2 pin)	6
PCI Express power cable length	75 cm
CPU power connector (4+4 pin)	Y
CPU power cable length	65 cm
ATX power connector (20+4 pin)	Y
PCI Express connector	Y
Cabling type	Modular

Power

Total power	1000 W
AC input voltage	100 - 240 V
AC input frequency	50 - 60 Hz
Input current	13 - 6.5 A
Combined power (+3.3V)	125 W
Combined power (+12V)	996 W
Combined power (+5V)	125 W
Combined power (-12V)	3.6 W
Combined power (+5Vsb)	15 W
Max output current (+3.3V)	25 A
Max output current (+12V)	83 A
Max output current (+5V)	25 A
Max output current (-12V)	0.3 A
Max output current (+5Vsb)	3 A
Power protection features	Over current, Over power, Over voltage, Overheating, Short circuit, Under voltage