EVGA SuperNOVA 1000 G6, 80 Plus Gold 1000W, Fully Modular Power Supply

$239.95

Product Images

Model No.	1000 G6				
AC Input	100-240V~, 13-6.5A, 60/50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
Max Output, A	25A	25A	83.3A	0.5A	3A
Combined, W	125W		1000W	6W	15W
Output Power, P$_{out}$	1000W @ +50°C				

Short Description

The EVGA SuperNOVA G5 joins the Elite ranks of the EVGA 80 Plus Gold Power supplies. As the successor to the award-winning G3 Series, The G5 power supplies continue to push the envelope with the latest certifications and Intel power-on standards. Starting with 80 Plus Gold certification, a fully-modular cable design, 100% Japanese capacitors, and an ultra-quiet 135mm fluid Dynamic Bearing Fan with EVGA Eco mode, These power supplies are built for performance and silence.
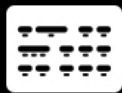
Description

EVGA POWER SUPPLY

G6 SUPERNOVA

80 PLUS GOLD

Essential Features

80 PLUS GOLD
80 PLUS Gold Certified
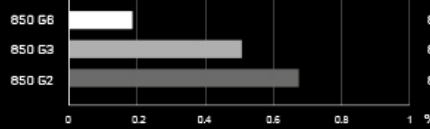
Fully Modular

100% Japanese Capacitors

Flat Cables

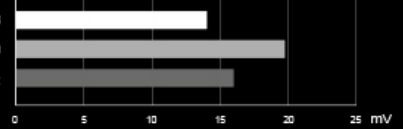Full Suite of Protections

Essential Features

With a full-Bridge LLC Resonant Converter, and DC-DC design, the SuperNOVA G6 provides rock-solid stability, relentless efficiency, and extremely tight voltage regulation.
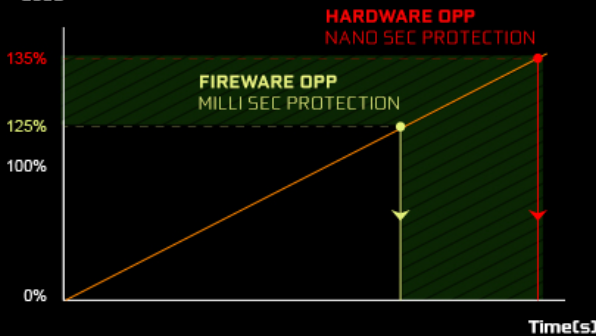
Voltage Regulation

850 G6	
850 G3	
850 G2	

0   0.2   0.4   0.6   0.8   1 %
*lower is better

+12V Ripple & Noise

850 G6	
850 G3	
850 G2	

0   5   10   15   20   25 mV
*lower is better

Hardware + Firmware OPP

Load

135% HARDWARE OPP
NANO SEC PROTECTION

125% FIREWARE OPP
MILLI SEC PROTECTION

100%

0%

Time(s)

Hardware OPP is designed to trip at 135% max wattage as a last resort to protect the system, but the SuperNOVA G6 also features firmware OPP to anticipate harmful load behavior 5-10% sooner by shutting off the power supply when over-power conditions persist longer than 1ms while avoiding an instantaneous overload trigger protection malfunction during momentary peak wattage.
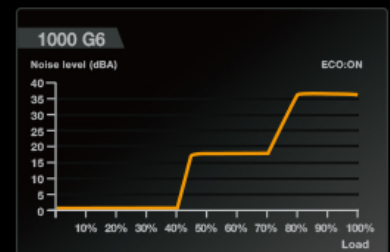

Smaller Size, Bigger Performance

The improved efficiency and voltage regulation minimizes heat, allowing the SuperNOVA G6 to be EVGA's shortest ATX Gold-certified power supply.

Ultra-Quiet 135mm FDB Fan with EVGA ECO Mode

To reduce noise, the SuperNOVA G6 maximizes the time the power supply stays silent or quiet at low to medium loads when ECO Mode is enabled.

1000 G6

Noise level (dBA)   ECO:ON

40
35
30
25
20
15
10
5
0

10% 20% 30% 40% 50% 60% 70% 80% 90% 100%
Load

AC Input	100-240V~, 13-6.5A, 60/50Hz				
DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
MAX Output	25A	25A	83.3A	0.5A	3A
Combined	125W		1000W	6W	15W
Output Power	1000W				

Protection

- (OVP) Over Voltage Protection
- (OCP) Over Current Protection
- (SCP) Short Circuit Protection
- (UVP) Under Voltage Protection
- (OTP) Over Temperature Protection
- (Dual OPP) Over Power Protection - Hardware + Firmware

Features

- 80 PLUS Gold certified, with 91% (115VAC) / 92% (220VAC~240VAC) efficiency or higher under typical loads
- 100% Japanese Capacitors ensure long-term reliability
- Fully Modular to reduce clutter and improve airflow
- Fluid Dynamic Bearing Fan for ultra-quiet operation and increased lifespan.
- Unbeatable EVGA 10 Year Warranty and unparalleled EVGA Customer Support
- Active Clamp +DC to DC design for efficient operation
- DC-DC Converter improves 3.3V/5V stability
- Active Power Factor Correction
- EVGA ECO Intelligent Thermal Control System eliminates fan noise at low to medium loads
- NVIDIA SLI & AMD Crossfire Ready
- Heavy-duty protections, including OVP (Over Voltage Protection), UVP (Under Voltage Protection), OCP (Over Current Protection), OPP (Over Power Protection), SCP (Short Circuit Protection), and OTP (Over Temperature Protection)

Specifications

CABLE LENGTH

ATX Cable	1x 600mm (m)
EPS Cable	2x 700mm (m)
PCIe Cable	2x 700mm, 3x 700mm, 820mm (m)
SATA Cable	4x 550mm, 650mm, 750mm (m)
Four-Pin Peripheral Cable	1x 550mm, 650mm, 750mm, 850mm (m)
Floppy Adapter	1x 100mm

AC Power	1x 1500mm (m)
Modular Cable Type	Full

CONNECTOR QUANTITY

24 Pin ATX	1x 24pin
EPS (CPU)	2x 8pin (4+4)
PCIe	8x 8pin (6+2)
SATA	12x
Four-Pin Peripheral	4x
Floppy	1x

POWER SPECS

AC Input	100-240V~, 13-6.5A, 60/50Hz								
Rail	+3.3V	+5V	+12V	+5Vsb	-12V				
Max Output	25A	25A	83.3A	3A	0.5A	125W	1000W	15W	6W
	Total	1000W							

ADDITIONAL DETAILS

Operating Temperature	0° to 50° C
Japanese Capacitors	100%
ECO Mode	Yes
MTBF	100,000 Hours
Gross Weight	7.68 lbs
Size	86mm (H) x 150mm (W) x 140mm (L)
Approvals	TUV, CB, CE, FCC, RCM, cTUVus, WEEE, RoHS Compliance with ErP Lot 3 2014 Requirement
Fan Size / Bearing	135mm Fluid Dynamic Bearing

Additional Information

Brand	EVGA
SKU	220-G6-1000-X1
Weight	9.0000
Color	Black
PSU Type	ATX
PSU Style	Modular
PSU Wattage	1000W
PSU Efficiency	80 PLUS Gold