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› Seasonic Focus V3 GX-1000 1000W Power Supply User Manual

Seasonic ATX3-FOCUS-GX-1000

Seasonic Focus V3 GX-1000 1000W Power Supply User Manual

Model: ATX3-FOCUS-GX-1000

1. INTRODUCTION

This manual provides essential information for the installation, operation, and maintenance of your Seasonic Focus V3 GX-1000 1000W Power Supply. Designed for high-performance personal computers, this 80 PLUS Gold certified, full-modular power supply is ATX 3.0 and PCIe 5.0 ready, ensuring compatibility with modern hardware, including Nvidia RTX 30/40 Super and AMD GPUs. Please read this manual thoroughly before installation and use to ensure optimal performance and safety.



Image 1.1: Front view of the Seasonic Focus V3 GX-1000 Power Supply.

2. SAFETY INFORMATION

Always observe the following safety precautions to prevent injury or damage to your system:

- Ensure the power supply is disconnected from the AC power outlet before installation or maintenance.
- Do not open the power supply unit. High voltages are present inside, and there are no user-serviceable parts.
- Install the power supply in a well-ventilated area, away from heat sources and moisture.
- Use only the modular cables provided with your Seasonic power supply. Using incompatible cables can cause severe damage to the PSU and connected components.
- Ensure all cables are securely connected before powering on the system.

3. PACKAGE CONTENTS

Verify that all items listed below are included in your product package:

- Seasonic Focus V3 GX-1000 Power Supply Unit
- Modular Cable Set (Motherboard, CPU, PCIe, SATA, SATA 3.3, MOLEX, 12VHPWR)
- AC Power Cable
- Mounting Screws
- PSU Tester

- Velcro Cable Ties
- Disposable Cable Ties
- PSU and Cable Storage Bags
- Installation Guide
- User Manual (this document)

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Video 3.1: Unboxing and overview of the Seasonic Focus V3 GX-1000 Power Supply and its included accessories. This video demonstrates the contents of the retail package, including the power supply unit, modular cables, and other accessories.

4. PRODUCT FEATURES

The Seasonic Focus V3 GX-1000 Power Supply incorporates advanced features for reliable and efficient power delivery:

- **High Efficiency:** 80 PLUS Gold certified, achieving up to 90% efficiency at 50% system load.
- **ATX 3.0 and PCIe 5.0 Ready:** Includes a 600W 12VHPWR Gen 5 cable for compatibility with the latest graphics cards.
- **Fully Modular Cabling:** Allows for optimized cable management and reduced clutter within the PC case.
- **Compact Size:** With a depth of 140 mm, it is suitable for various PC cases, including compact ATX designs.
- **135 mm Fluid Dynamic Bearing (FDB) Fan:** Features a durable fan with reduced friction, vibration, and noise for extended lifespan and quiet operation.
- **Advanced Thermal Control:** Three-phased thermal control (Fanless Mode, Silent Mode, Cooling Mode) balances silence and cooling. A switch on the back allows disabling hybrid mode for constant fan operation.
- **High-Quality Components:** Utilizes top-grade, Japan-sourced components for enhanced product life and operational stability.
- **Improved Load Regulation:** Reduces voltage variations for stable power delivery.
- **Copper Plate Connection:** Innovative design connecting the back panel and PCB with a copper plate to improve output power quality and reduce production errors.
- **PVC Embossed Cables:** Flexible, durable, and aesthetically pleasing cables meeting international safety standards.



Image 4.1: Close-up view of the 135mm Fluid Dynamic Bearing fan, highlighting its design for quiet and efficient cooling.



Image 4.2: Internal view of the power supply, illustrating the high-quality components and efficient layout.

5. INSTALLATION GUIDE

Follow these steps to install your Seasonic Focus V3 GX-1000 Power Supply:

1. **Prepare Your System:** Ensure your computer is powered off and unplugged from the wall outlet. Open your PC case.
2. **Remove Old PSU (if applicable):** Disconnect all cables from your old power supply and remove it from the case.
3. **Mount the New PSU:** Insert the Seasonic Focus V3 GX-1000 into the power supply bay of your PC case. Secure it with the provided mounting screws.
4. **Connect Essential Cables:**
 - Connect the 24-pin ATX cable to your motherboard.
 - Connect the 8-pin (4+4) CPU power cable(s) to your motherboard.
 - Connect the appropriate PCIe power cable(s) (e.g., 12VHPWR for Gen 5 GPUs or 6+2 pin for older GPUs) to your graphics card(s).
 - Connect SATA power cables to your storage drives (HDDs/SSDs) and other SATA-powered devices.
 - Connect MOLEX cables for any peripherals requiring them.
5. **Cable Management:** Use the included Velcro cable ties and disposable cable ties to organize cables for better airflow and a cleaner build.

6. **Close Case and Power On:** Close your PC case, plug in the AC power cable to the PSU and a wall outlet, then power on your system.



Image 5.1: Rear panel of the power supply, illustrating the fully modular cable connection ports for various components.

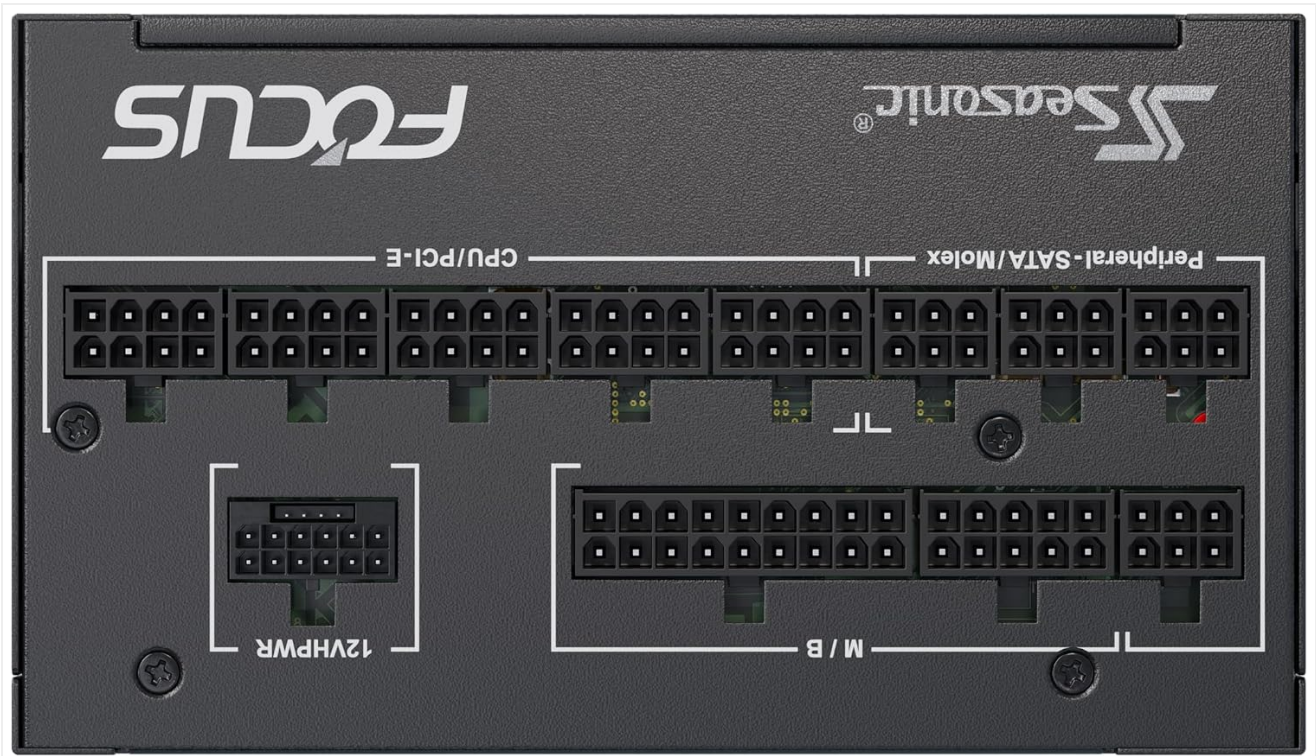


Image 5.2: Detailed view of the modular cable ports, including the 12VHPWR connector for modern GPUs.

6. OPERATING INSTRUCTIONS

Your Seasonic Focus V3 GX-1000 Power Supply is designed for efficient and quiet operation. Key operational aspects include:

- **Hybrid Fan Control:** The power supply features a three-phased advanced thermal control system. In 'Hybrid Mode' (default), the fan remains off at low loads for silent operation (Fanless Mode), spins up quietly at moderate loads (Silent Mode), and increases speed as needed for cooling at high loads (Cooling Mode).
- **Hybrid Mode Switch:** On the back of the power supply, there is a switch labeled 'Hybrid Mode'. If you prefer the fan to run continuously regardless of load, you can switch this feature off. This ensures constant active cooling, which may be preferred in certain high-temperature environments or specific PC case configurations.
- **Power On/Off:** Use the main power switch on the back of the PSU to completely cut power to the unit. For normal operation, leave this switch in the 'On' position and use your computer's power button.



Image 6.1: Rear panel of the power supply, showing the main power switch and the Hybrid Mode switch for fan control.

7. MAINTENANCE

To ensure the longevity and optimal performance of your power supply, consider the following maintenance tips:

- **Keep it Clean:** Periodically clean dust from the power supply's fan grille and vents using compressed air. Ensure the system is powered off and unplugged before cleaning.
- **Ensure Proper Airflow:** Make sure there is adequate space around the power supply for proper ventilation. Avoid

blocking any intake or exhaust vents.

- **Cable Integrity:** Regularly check that all modular cables are securely connected and not pinched or damaged.

8. TROUBLESHOOTING

If you encounter issues with your power supply, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
System does not power on.	Loose power cable, PSU switch off, faulty components.	Check AC power cable connection. Ensure PSU main switch is 'On'. Verify all modular cables are fully seated. Test PSU with included PSU tester.
PSU fan is not spinning.	Hybrid Mode enabled (low load), fan malfunction.	This is normal behavior in Hybrid Mode at low loads. If the system is under load and the fan is still not spinning, try disabling Hybrid Mode via the switch on the PSU. If it still doesn't spin, contact support.
System reboots randomly or crashes.	Unstable power delivery, insufficient wattage, faulty components.	Ensure your system's total power draw does not exceed 1000W. Check all power connections, especially to the motherboard and graphics card. If issues persist, consult a professional or contact Seasonic support.
Loud noise from PSU.	Dust buildup, fan obstruction, coil whine.	Clean the fan and vents. Ensure no cables are obstructing the fan. Some coil whine can be normal under certain loads but should not be excessive. If noise is unusual or very loud, contact support.

If these steps do not resolve your issue, please refer to the warranty and support section for further assistance.

9. SPECIFICATIONS

Specification	Detail
Model Name	ATX3-FOCUS-GX-1000
Brand	Seasonic
Compatible Devices	Personal Computer
Connector Type	ATX
Output Wattage	1000 Watts
Form Factor	ATX
Cooling Method	Air (135mm FDB Fan)
Item Dimensions (L x W x H)	5.5 x 5.9 x 3.4 inches (140 x 150 x 86 mm)
Item Weight	6.64 Pounds (3.01 kg)
Power Supply Design	Full Modular
Number of Fans	1
Maximum Input Voltage	132 Volts (AC)
Minimum Input Voltage	110 Volts (AC)

Specification	Detail
System Bus Connector Type	20+4 Pin
Efficiency Certification	80 PLUS Gold
ATX Standard	ATX 3.0
PCIe Standard	PCIe 5.0 (with 12VHPWR cable)

10. WARRANTY AND SUPPORT

Your Seasonic Focus V3 GX-1000 Power Supply comes with a comprehensive **10-year warranty**, reflecting our commitment to quality and reliability.

For technical support, warranty claims, or any questions not covered in this manual, please visit the official Seasonic website or contact their customer service department. Keep your proof of purchase for warranty validation.

Seasonic Official Website: www.seasonic.com