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- › [Rosewill](#) /
- › [Rosewill VMG 1000W 80+ Gold ATX 3.1 Power Supply User Manual](#)

Rosewill VMG1000

Rosewill VMG 1000W 80+ Gold ATX 3.1 Power Supply User Manual

Model: VMG1000

INTRODUCTION

This manual provides essential instructions for the installation, operation, and maintenance of your Rosewill VMG 1000W 80+ Gold ATX 3.1 Full Modular Power Supply. Please read this manual thoroughly before installation and retain it for future reference. This power supply unit (PSU) is designed to deliver stable and efficient power to your personal computer system, featuring ATX 3.1 and PCIe 5.1 compatibility for modern hardware.



Image: Rosewill VMG1000 Fully Modular ATX Power Supply overview banner, highlighting low noise, premium reliability, and 80 Plus efficiency.

Safety Precautions

- Always disconnect the power cord from the wall outlet before installing, removing, or cleaning the power supply.
- This power supply is designed for use in personal computers only. Using it for other purposes may cause damage and void the warranty.

- Do not open the power supply casing. High voltages are present inside, and opening the unit will void the warranty and pose a risk of electric shock.
- Ensure proper grounding of your system to prevent electrical hazards.
- Install the power supply in a well-ventilated area, away from heat sources and moisture.

SETUP AND INSTALLATION

Package Contents

- Rosewill VMG 1000W Power Supply Unit
- Modular Cable Set (including 12V-2x6 PCIe 5.1 cable)
- AC Power Cord
- Mounting Screws
- User Manual

Physical Installation

1. Ensure your computer is powered off and the AC power cord is disconnected from the wall outlet.
2. Open your computer case.
3. Locate the power supply mounting area, typically at the top or bottom rear of the case.
4. Carefully place the Rosewill VMG 1000W PSU into the designated slot, ensuring the fan faces the correct direction for optimal airflow (usually facing downwards if there's a bottom vent, or inwards if top-mounted).
5. Secure the power supply to the case using the provided mounting screws.



Image: Top-down view of the Rosewill VMG 1000W power supply, showcasing its fan grille and modular cable connection ports.

Cable Connections

The Rosewill VMG 1000W is a full modular power supply, allowing you to connect only the cables necessary for your system, which helps improve airflow and cable management.

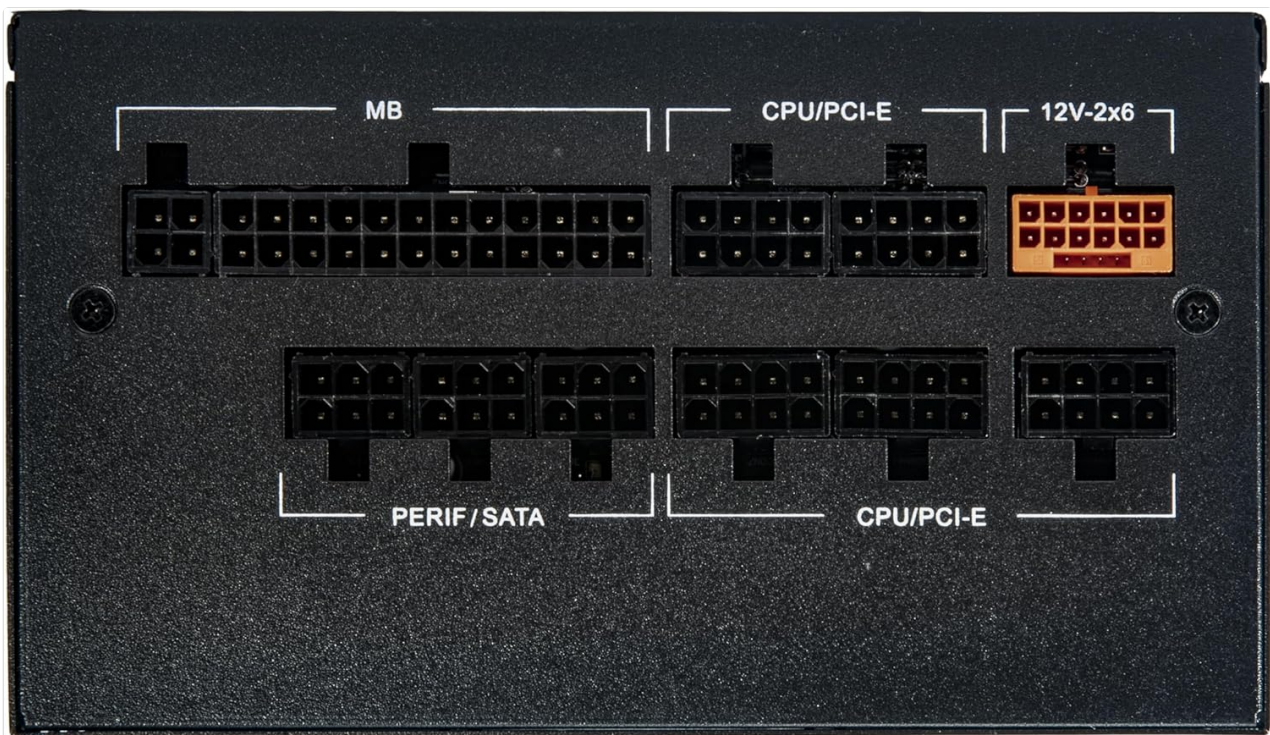


Image: Detailed view of the modular cable connection panel on the Rosewill VMG 1000W power supply, showing labeled ports for MB, CPU/PCI-E, PERIF/SATA, and the orange 12V-2x6 connector.

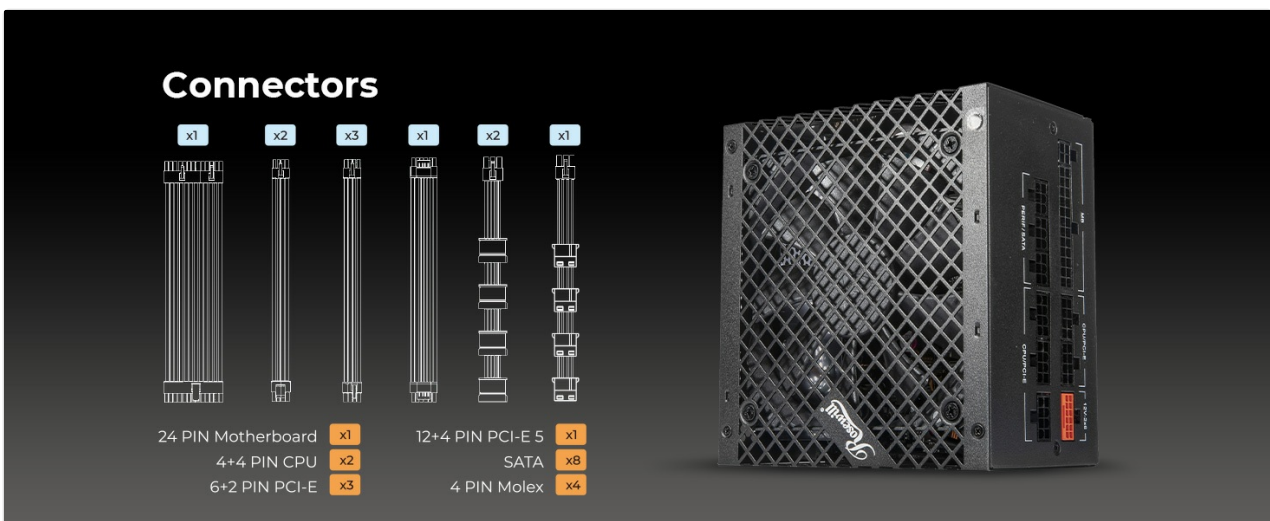


Image: A diagram illustrating the various modular connectors included with the Rosewill VMG1000 power supply, such as 24-pin Motherboard, 4+4 pin CPU, 6+2 pin PCI-E, 12+4 pin PCI-E 5, SATA, and 4-pin Molex.

1. **24-Pin Motherboard Cable:** Connect the large 24-pin cable to the corresponding port on your motherboard.
2. **CPU Power Cable (4+4 Pin):** Connect the 4+4 pin CPU cable to the CPU power connector(s) on your motherboard. Modern motherboards may require one or two such connectors.
3. **PCIe Power Cables (6+2 Pin):** For graphics cards requiring 6-pin or 8-pin PCIe power, use the 6+2 pin PCIe cables. Connect the appropriate end to the PSU and the other to your graphics card.
4. **12V-2x6 PCIe 5.1 Cable:** This dedicated cable provides up to 600W of power for compatible PCIe 5.1 graphics cards. Connect the orange 12V-2x6 connector from the PSU to your graphics card's 12V-2x6 port. Ensure a firm connection.

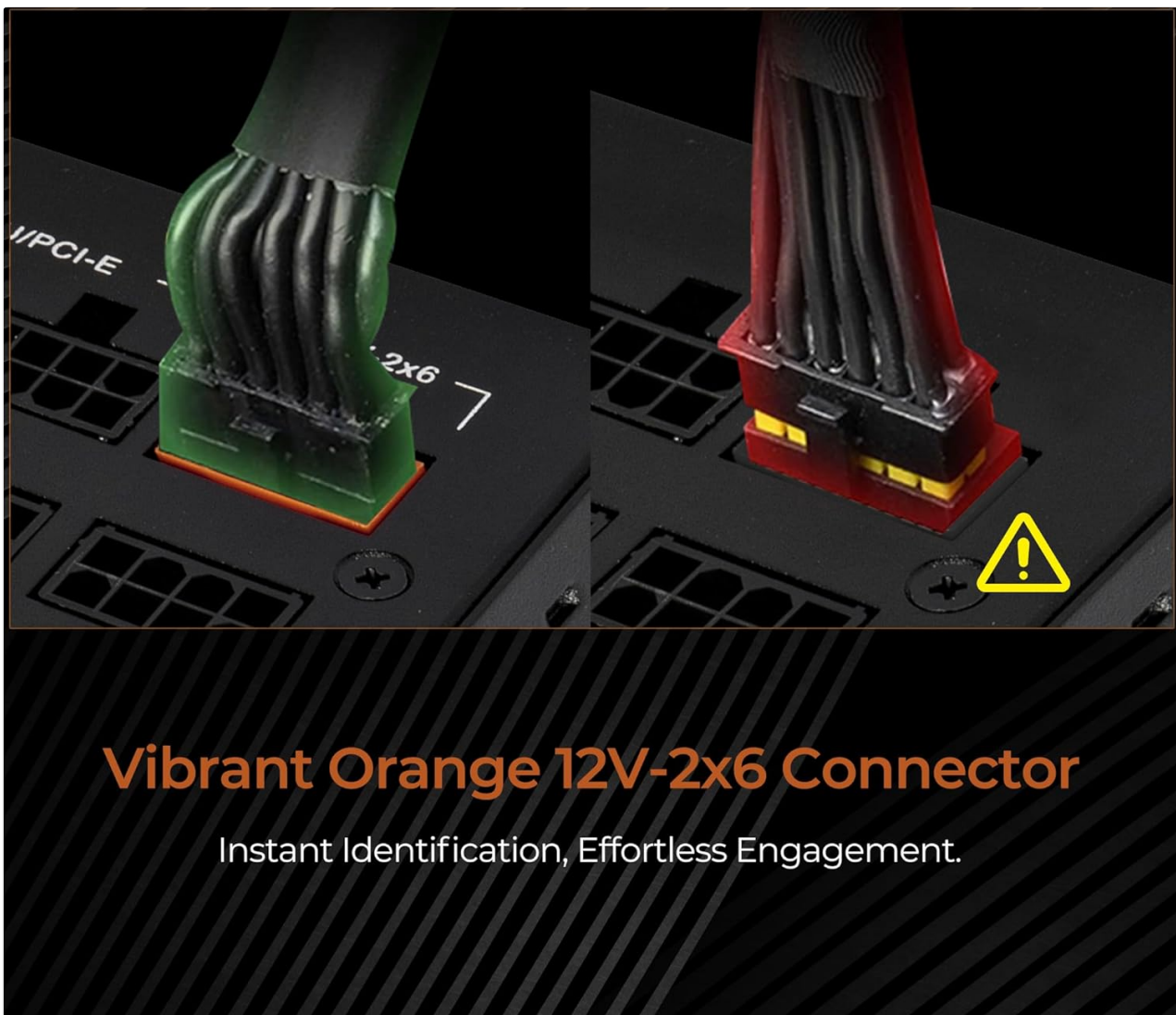


Image: A close-up showing the vibrant orange 12V-2x6 connector on the Rosewill VMG 1000W power supply, designed for instant identification and secure engagement with compatible graphics cards.

5. **SATA Power Cables:** Connect SATA power cables to your SSDs, HDDs, and optical drives.
6. **Peripheral (Molex) Cables:** Use Molex cables for any other peripherals that require this type of power connector.
7. Once all necessary components are connected, organize your cables for optimal airflow and aesthetics.
8. Close your computer case.
9. Connect the AC power cord to the power supply and then to a grounded wall outlet.

OPERATING INSTRUCTIONS

Powering On Your System

1. Ensure all cables are securely connected and the power supply's main switch (located on the rear of the PSU) is in the 'ON' (I) position.
2. Press the power button on your computer case.
3. The power supply fan will activate, and your system should begin its boot sequence.

Powering Off Your System

1. Always shut down your operating system properly before turning off the main power switch on the PSU or

disconnecting the AC power cord.

2. For complete power removal, switch the PSU's main switch to the 'OFF' (O) position and disconnect the AC power cord from the wall outlet.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your power supply.

Cleaning

- Periodically inspect the power supply's fan and ventilation grilles for dust accumulation.
- With the system powered off and unplugged, use compressed air to gently clear dust from the fan blades and vents. Hold the fan blades to prevent them from spinning rapidly during cleaning, which can damage the bearings.
- Do not use liquid cleaners or solvents on the power supply.



Image: Top view of the Rosewill VMG 1000W power supply, showing the 120mm FDB fan through its protective grille, which is crucial for cooling.

TROUBLESHOOTING

If you encounter issues with your Rosewill VMG 1000W power supply, refer to the following common problems and solutions:

No Power

- **Check Power Connections:** Ensure the AC power cord is securely plugged into both the power supply and a working wall outlet. Verify the 24-pin motherboard and 4+4 pin CPU cables are firmly seated.
- **PSU Switch:** Confirm the power supply's main switch on the rear is in the 'ON' (I) position.
- **Wall Outlet:** Test the wall outlet with another device to ensure it is supplying power.
- **Internal Connections:** Double-check all modular cables are correctly connected to both the PSU and the components.

System Instability or Random Shutdowns

- **Overload Protection:** The power supply features multiple protection circuits (OCP, OPP, OTP, OVP, SCP, UCP) to prevent damage. If your system is drawing too much power, the PSU may shut down. Ensure your system's power requirements do not exceed the PSU's capacity.
- **Component Issues:** Instability can also be caused by other faulty components (e.g., RAM, CPU, GPU). Test components individually if possible.
- **Ventilation:** Ensure adequate airflow within your PC case to prevent overheating of components, including the PSU.



Advanced Protection Suite

Ensure complete system safety with our intelligent multi-guard technology, featuring six essential safeguards working in harmony:

- OCP** | Prevents damage from sudden current surges
- OPP** | Auto-adjusts power output during overloads
- OTP** | Guards against critical overheating
- OVP** | Stabilizes voltage spikes instantly
- SCP** | Neutralizes short-circuit risks
- UCP** | Maintains performance during low voltage

Image: Diagram illustrating the advanced protection suite of the Rosewill VMG1000 power supply, detailing OCP (Over Current Protection), OPP (Over Power Protection), OTP (Over Temperature Protection), OVP (Over Voltage Protection), SCP (Short Circuit Protection), and UCP (Under Current Protection).

Excessive Fan Noise

- **Dust Accumulation:** Clean the fan and vents as described in the Maintenance section.
- **Load:** Fan speed increases with load and temperature. Ensure your system is not under excessive load or experiencing high ambient temperatures.

If problems persist after attempting these solutions, please contact Rosewill customer support.

SPECIFICATIONS

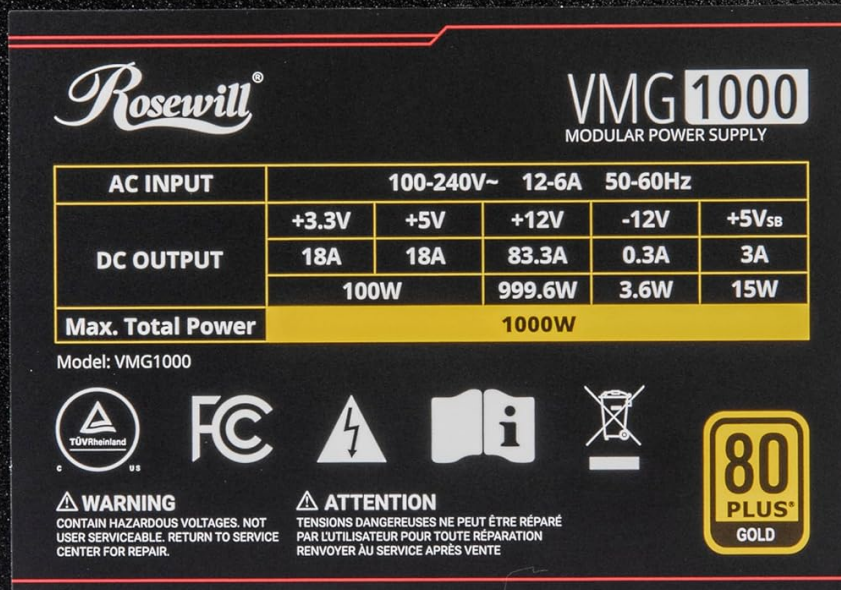


Image: The rating label on the Rosewill VMG 1000W power supply, detailing AC input, DC output for +3.3V, +5V, +12V, -12V, +5Vsb, and maximum total power of 1000W.

Feature	Detail
Model Name	VMG1000
Output Wattage	1000 Watts
80 PLUS Certification	Gold
Form Factor	ATX
ATX Standard	ATX 3.0 & 3.1 Compatible
PCIe Standard	PCIe 5.1 (with 12V-2x6 Connector)
Modularity	Full Modular
Fan Type	120mm FDB (Fluid Dynamic Bearing) Silent Fan
Capacitors	100% Japanese Electrolytic Capacitors
Protection Features	OCP, OPP, OTP, OVP, SCP, UCP

Feature	Detail
Product Dimensions (L x W x H)	5.51 x 5.9 x 3.38 inches (140 x 150 x 86 mm)
Item Weight	5.5 pounds
Compatible Devices	Personal Computer

WARRANTY INFORMATION

The Rosewill VMG 1000W Power Supply comes with a **5-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from accident, misuse, abuse, neglect, improper installation, unauthorized repair or modification, or external causes such as power surges or lightning strikes.


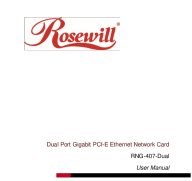
To claim warranty service, please retain your proof of purchase. For detailed warranty terms and conditions, or to initiate a warranty claim, please contact Rosewill customer support.

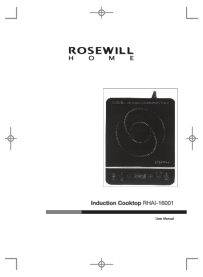
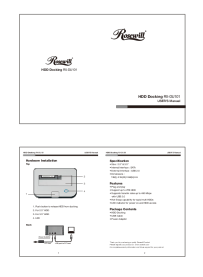

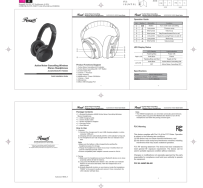
CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries regarding your Rosewill VMG 1000W Power Supply, please visit the official Rosewill website or contact their customer support team. Contact information can typically be found on the Rosewill website or on the product packaging.

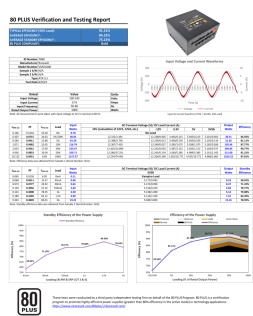
Rosewill Official Website: www.rosewill.com

Related Documents - VMG1000

	<p>Rosewill PRISM T500 Gaming Case User Manual</p> <p>Comprehensive user manual for the Rosewill PRISM T500 ATX Mid Tower gaming case, detailing installation, specifications, features, and care instructions.</p>
	<p>Rosewill RNG-407-Dual Dual Port Gigabit PCI-E Ethernet Network Card User Manual</p> <p>Comprehensive user manual for the Rosewill RNG-407-Dual Dual Port Gigabit PCI-E Ethernet Network Card, detailing installation, features, driver setup for Windows and Mac OS X, and troubleshooting tips.</p>

	<p>Rosewill RHA1-16001 Induction Cooktop User Manual</p> <p>User manual for the Rosewill RHA1-16001 Induction Cooktop, covering safety precautions, operating instructions, cookware selection, maintenance, troubleshooting, and product specifications.</p>
	<p>Rosewill RX-DU101 HDD Docking Station User Manual</p> <p>User manual for the Rosewill RX-DU101 HDD Docking Station, detailing hardware installation, specifications, features, and package contents.</p>
	<p>Rosewill RW-T52 True Wireless Stereo Bluetooth Earphones User Manual</p> <p>User manual for Rosewill RW-T52 True Wireless Stereo Bluetooth Earphones, covering package contents, specifications, charging, pairing, operation, troubleshooting, and storage/maintenance.</p>
	<p>Rosewill AUDIOWAVE H9000 Active Noise Cancelling Wireless Stereo Headphones Quick Installation Guide</p> <p>Quick installation guide for the Rosewill AUDIOWAVE H9000 Active Noise Cancelling Wireless Stereo Headphones, covering product functions, operation, specifications, package contents, and usage instructions.</p>

Documents - Rosewill – VMG1000



[Rosewill VMG1000 80 PLUS Power Supply Verification and Testing Report](#)

Detailed verification and testing report for the Rosewill VMG1000 1000W 80 PLUS Gold certified ATX 3.1 power supply unit, including efficiency, voltage, and waveform data.

lang:en score:32 filesize: 638.17 K page_count: 1 document date: 2025-07-11