

VNG650 Series

Thank you for purchasing a Rosewill Power Supply.
Please read the instruction manual before use and retain for future reference.

INSTALLATION

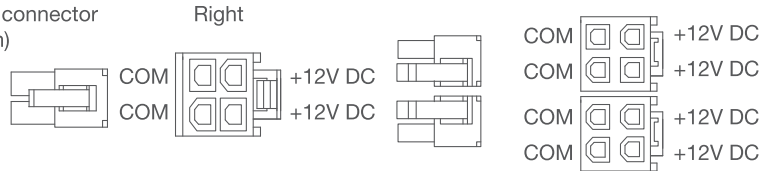
If replacing an existing PSU in a system, you will first need to remove the old PSU. Please proceed as follows:

1. Disconnect the AC power cord from your existing power supply unit.
2. Disconnect the power supply from all the components in the PC, make sure that all the connectors are unplugged.
3. Remove the four screws from the rear of the case that hold the old power supply to the chassis, and then remove the old power supply unit from case.

Installing the Power Supply:

1. Make sure the I/O switch of the PSU is at Off "O" position.
2. Install the power supply unit in the appropriated space in the PC case and secure it by screwing the four screws into the rear of the power supply.
3. Connect the 24 pin main power cable to the motherboard 24 pin socket.
4. Connect the 4+4 pin (8 pin) power cable to the mainboard. If your mainboard supports only 4 pin jack, connect only the right side of the connector to the mainboard.

+12V CPU power connector
(EPS 8 Pin/4+4Pin)









5. If you are using a graphics card with a 6 PIN/8 PIN connector please connect the respective connector to the socket on the board.
If your graphics card supports more than one socket, please connect the respective connector to the socket on board.
6. Connect the SATA or Peripheral 4 PIN Molex connectors to the hard disk or SSDs or optical drive.
7. Connect any others internal components that require power to the appropriate connector.
8. Make sure all the cables are securely seated.
9. Connect the AC power cord into the back of the power supply and Switch on I/O switch at Input "I" position.
10. Your PSU is now connected and ready.

ELECTRONIC SPECIFICATIONS

Model No.	AC Input		DC Output	+3.3V	+5V	+12V	-12V	+5Vsb
	Voltage	Current						
VNG650	100V 240V	8A 4A	Max Output Current	18A	18A	54.1A	0.3A	3A
			Max Combined Wattage	100W		649.2W	3.6W	15W
			Total Output	650W				

CONNECTORS

VNG650 Series

Cable						
	24 PIN Motherboard Connector	4+4 PIN CPU Connector	6+2 PIN PCI-E Connector	12+4 PIN PCI-E 5.1 Connector	SATA Connector	4 PIN Molex Connector
VNG650	1	2	2	1	6	2

PRODUCT FEATURES

- PCIe 5.1 and ATX 3.1 Compatible
- 80 PLUS GLOD Certified
- Protection: UVP, OVP, OPP, SCP, OCP, OTP
- Native 450W 12V-2x6 Connector

PACKAGE CONTENTS

- VNG Power Supply Unit x1
- Quick User Guide x 1
- AC Power Cord x1
- Cable Tie x5
- Mounting Screw x4



SAFETY & WARNING

- Due to the high voltage inside the power supply, do not attempt to remove the cover of power supply. The warranty will be void if the cover is removed.
- Do not insert any objects into the open ventilation or fan grill area of the power supply.
- Do not store the power supply in high humidity and high temperature environment.
- Do not plug or unplug the power cord with wet hand.

TROUBLESHOOTING

If you install the new power supply and the system is not working properly, please check the following:

- Make sure the AC power cord is plugged correctly into PSU inlet socket and power switch is at Input “I” position.
- Make sure the wall socket, extension power cord, power strip or surge protector in use, are fully functional and wall power switch is turned on.
- Make sure that all the connectors from power supply are correctly plugged into the mainboard.
- Make sure there are no short circuits within the systems that could result from defective hardware or misplaced connectors.
- If your are not sure, disconnect all plugs, check them and then connect them again to the respective sockets.

