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AIVOLT vp3500101

AIVOLT 3500W Portable Inverter Generator User Manual

Model: vp3500101

1. Introduction

Thank you for choosing the AIVOLT 3500W Portable Inverter Generator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before use and keep it for future reference.
This generator is designed to provide stable, high-quality power suitable for sensitive electronics, making it ideal for various applications including outdoor activities, emergency backup, and professional work sites.

2. Safety Information

WARNING: Failure to follow these instructions may result in serious injury or death.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless gas. Operate outdoors only, far away from windows, doors, and vents.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke near the generator.
- **Electrical Shock Hazard:** Do not operate in wet conditions. Ensure all connections are secure and dry.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation. Avoid contact to prevent burns.
- **Children and Pets:** Keep children and pets away from the generator at all times.

3. Product Overview

The AIVOLT 3500W Inverter Generator offers advanced features for reliable power generation.

Key Features:

- **Pure Sine Wave Output:** Provides stable power (distortion rate <2.5% THD) safe for sensitive electronics like laptops, smartphones, and medical equipment.
- **Quiet Operation:** Equipped with multi-stage sound insulation cotton and a specially developed soundproof box, reducing noise by up to 50%. Operates at approximately 64dB in Eco mode.
- **Parallel Operation:** Connect two units for double the output, expanding usage possibilities for higher power consumption devices.
- **Digital Multimeter:** Features a digital display showing power output, fuel level, and voltage for easy monitoring.
- **3-in-1 Switch:** Simplifies engine start and stop operations for ease of use.
- **Easy Maintenance Access:** Protective covers can be removed with a screwdriver for routine checks and oil changes.
- **Multiple Output Ports:** Includes AC outlets (15A, 30A), DC (12V 8.3A), and USB ports for versatile power options.
- **Safety Protections:** Built-in oil alert, overload protection, and overheat protection ensure safe operation.



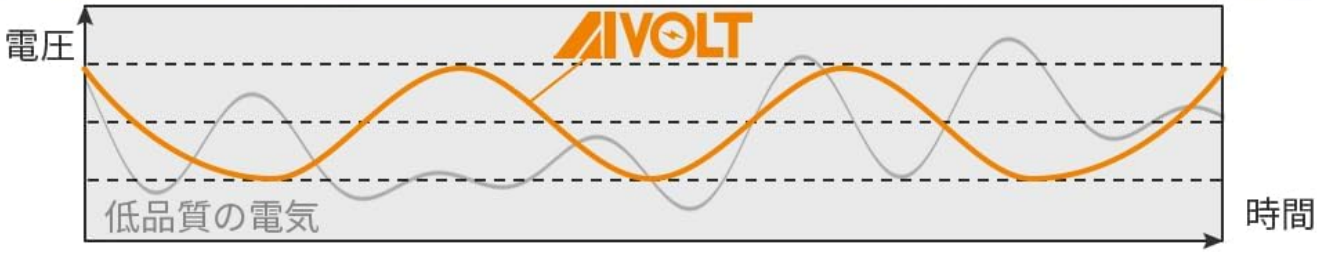


Image: Pure sine wave output for sensitive electronics.



Image: Internal sound insulation for quiet performance.



Image: Digital multimeter for clear monitoring of generator status.



Image: Control panel with AC, DC, and USB outlets.

4. Setup

4.1 Initial Preparation

1. **Place the Generator:** Position the generator on a firm, level surface outdoors, away from any combustible materials and at least 1 meter (3 feet) from buildings or other equipment.
2. **Add Engine Oil:** Remove the oil filler cap/dipstick. Slowly add the recommended engine oil (not included) until it reaches the upper mark on the dipstick. Do not overfill.
3. **Add Fuel:** Ensure the engine is off and cool. Open the fuel tank cap and carefully pour fresh, unleaded gasoline into the tank. Do not fill above the red indicator line. Securely close the fuel cap.

4.2 Starting Procedure

1. **Open Fuel Cap Vent:** Turn the fuel cap knob to the "ON" position.
2. **Set Engine Switch:** Turn the engine switch to the "CHOKE" position.
3. **Pull Recoil Starter:** Firmly pull the recoil starter grip until the engine starts.
4. **Move Engine Switch to "RUN":** Once the engine starts, slowly move the engine switch to the "RUN" position.



Image: Visual guide for starting the generator.

Video: Demonstrates the starting procedure for a similar inverter generator, including fuel and choke settings, and pulling the recoil starter. This video is provided by a seller and is relevant to the product's operation.

Video: Shows the setup and starting process of an EENOUR inverter generator, including adding fuel, setting the choke, and pulling the recoil starter. This video is provided by a seller and is relevant to the product's operation.

5. Operating Instructions

5.1 Connecting Devices

Once the engine is running smoothly, you can connect your electrical devices.

- **AC Devices:** Plug your AC devices into the 15A or 30A AC outlets. Ensure the total wattage does not exceed the generator's rated output.
- **DC Devices:** Connect 12V DC devices to the DC output port.
- **USB Devices:** Use the USB ports to charge smartphones, tablets, and other compatible electronic devices.

5.2 Eco Mode

The Eco mode switch allows the engine speed to automatically adjust based on the connected load, improving fuel efficiency and reducing noise. For optimal performance and fuel savings, activate Eco mode when using low-power devices.

5.3 Parallel Operation

To achieve higher power output, two AIVOLT 3500W generators can be connected in parallel using a compatible parallel kit (sold separately). Refer to the parallel kit's instructions for detailed setup.



Image: Parallel operation for increased power output.

5.4 Stopping the Engine

1. Disconnect all electrical devices from the generator.
2. Turn the engine switch to the "STOP" position.
3. Turn the fuel cap knob to the "OFF" position.

6. Maintenance

Regular maintenance ensures the longevity and optimal performance of your generator. Always turn off the engine and allow it to cool before performing any maintenance.

6.1 Spark Plug Inspection

Periodically inspect the spark plug for wear, carbon buildup, or damage. Replace if necessary.

Video: Demonstrates how to inspect the spark plug and check for carburetor clogs. This video is provided by a seller and is relevant to generator maintenance.

6.2 Oil Level Check and Change

Check the engine oil level before each use. Change the oil after the first 20 hours of operation, and then every 50-100 hours or every 6 months, whichever comes first.

Video: Shows how to check the oil level in a generator. This video is provided by a seller and is relevant to generator maintenance.

6.3 Fuel System Maintenance

If storing the generator for 30 days or more, drain the fuel from the tank and carburetor to prevent fuel degradation and carburetor clogging.

Video: A short preview video (7 seconds) demonstrating how to check if gasoline is reaching the carburetor and how to drain it. This video is provided by a seller and is relevant for maintenance.

7. Troubleshooting

If your generator is not operating correctly, refer to the following common issues and solutions:

- **Engine will not start:**
  - Check fuel level.
  - Ensure engine oil is at the correct level.
  - Verify the fuel cap vent is open.
  - Confirm the engine switch is in the correct starting position (CHOKE then RUN).
  - Inspect the spark plug (refer to Maintenance section).
- **No power output:**
  - Check for tripped circuit breakers on the control panel.
  - Ensure devices are properly plugged in.
  - Verify the generator is not overloaded.
- **Engine runs, but stops quickly:**
  - Check engine oil level (low oil shutdown).
  - Ensure adequate ventilation to prevent overheating.
  - Check for fuel quality or clogs in the fuel system.

For persistent issues, please contact customer support.

8. Specifications

Specification	Value
Brand	AIVOLT
Model Number	vp3500101
Wattage	3500W
Fuel Type	Gasoline
Power Source	Fuel
Recommended Uses	Camping, Household, Commercial
Voltage	120 Volts

Specification	Value
Special Feature	Portable
Engine Type	4-Stroke
Tank Capacity (L)	4.2
Engine Max Output	3.5 Kilowatts
Starting Wattage	3050 Watts
Operating Wattage	3050 Watts
Product Weight	23 Kilograms
Item Dimensions (L x W x H)	50cm x 31cm x 32cm
Country of Origin	China
Warranty	2-year manufacturer's warranty



定格出力	並列運転 定格出力	連続運転可能時間	乾燥重量
3.05kVA	6.1kVA	約13.5～5時間(ecoモードから定格負荷)	23kg

Image: Detailed product specifications and noise levels.

9. Warranty and Support

Your AIVOLT generator comes with a**2-year manufacturer's warranty** from the date of purchase. During this period, any product malfunctions will be handled free of charge.
Please note that engine oil and gasoline are not included with the product and must be purchased separately.

Contact Support:

If you have any questions or require assistance, please contact us:

- **Email:** aivolt.official@gmail.com
- **Through Amazon:**

1. Go to Account Services.
2. Select Order History.
3. Find your order.
4. Click on "Problem with order".
5. Select "Contact Seller".



Image: Our customer support team is available to assist you.

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