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> [AIVOLT 6000W Inverter Generator EUVS8000411 User Manual](#)

AIVOLT EUVS8000411

AIVOLT 6000W Inverter Generator

MODEL: EUVS8000411 - USER MANUAL

1. INTRODUCTION

Thank you for choosing the AIVOLT 6000W Inverter Generator. This generator is designed to provide reliable and clean power for various applications, including camping, outdoor activities, and industrial use. Its inverter technology ensures stable power output suitable for sensitive electronics, while its quiet operation and portable design enhance user convenience. Please read this manual thoroughly before operating the generator to ensure safe and efficient use.

2. SAFETY INSTRUCTIONS

Your safety and the safety of others are paramount. Always follow these safety precautions when operating the generator.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide (CO), an odorless, colorless, and poisonous gas. Operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents. Never operate it inside a home, garage, basement, crawlspace, or other enclosed area.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke or allow open flames near the generator or fuel tank. Store fuel in an approved container in a safe location.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are secure and dry. Do not touch the generator or connected devices with wet hands. Use a Ground Fault Circuit Interrupter (GFCI) when operating in damp or wet locations.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid touching hot surfaces to prevent burns.
- **Children and Pets:** Keep children and pets away from the generator, especially during operation.
- **Proper Grounding:** Always ensure the generator is properly grounded before use to prevent electrical shock.
- **Overload Protection:** Do not overload the generator. Exceeding its rated capacity can damage the generator and connected appliances.

3. PRODUCT OVERVIEW

Familiarize yourself with the components and controls of your AIVOLT Inverter Generator.

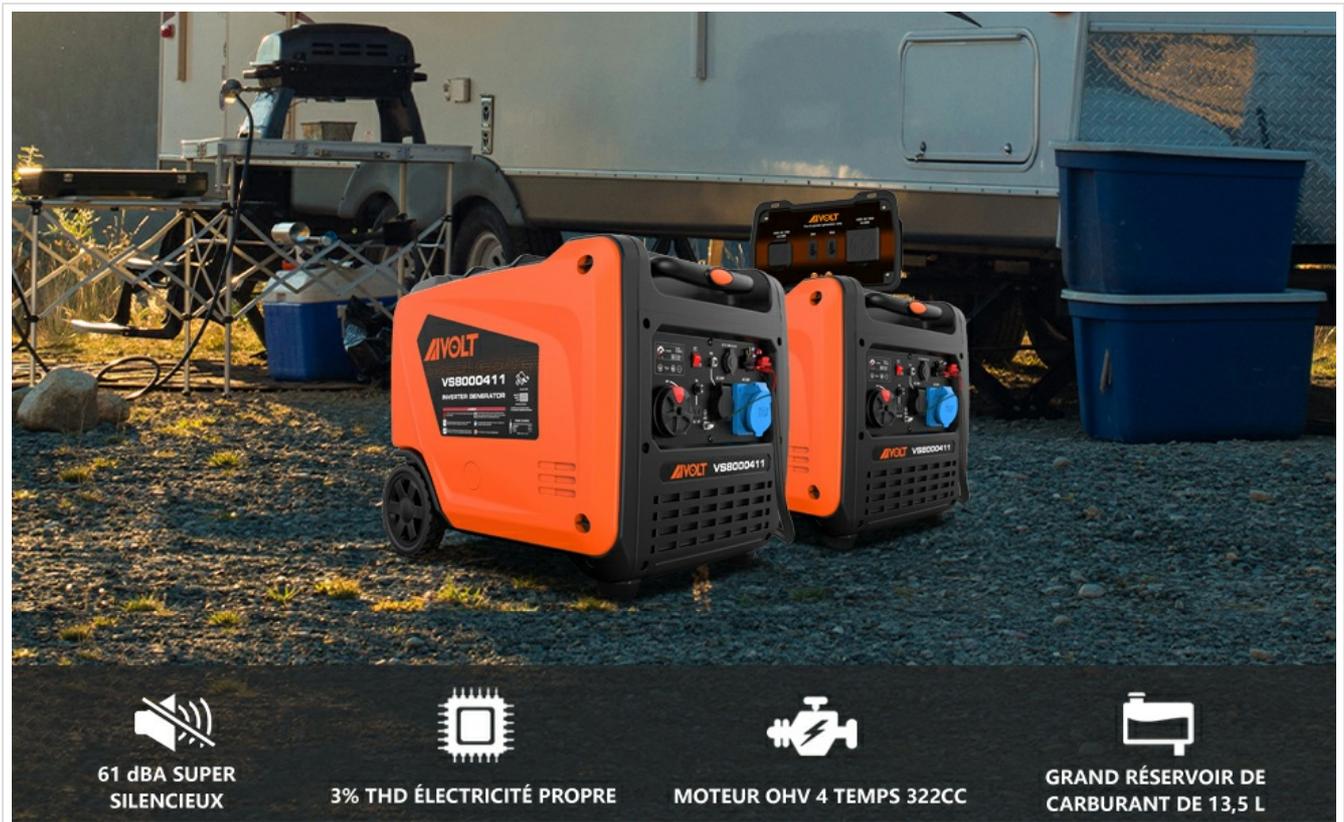


Figure 3.1: Control Panel Layout. This image displays the generator's control panel, highlighting the various outlets, switches, and the 5-in-1 LED display for easy identification.



Figure 3.2: Detailed Control Panel. A closer look at the control panel, providing clear labels for the Multi-Switch, 12V DC outlet, 230V AC 16A outlet, 230V AC 32A outlet, 2x USB Type-A ports, AC/DC circuit breakers, battery switch, ground terminal, and parallel operation outlets.

Key Components:

- **Control Panel:** Features a multi-function switch, 5-in-1 LED display, AC/DC circuit breakers, and various power outlets.
- **Power Outlets:** Includes two 230V AC outlets (16A and 32A), one 12V DC outlet, and two USB Type-A ports for versatile power options.
- **5-in-1 LED Display:** Provides real-time information on oil level, overload status, and operational readiness.
- **Electric and Manual Start:** Offers convenient electric start via a battery switch and a traditional manual recoil start.

- **Fuel Tank:** Located on top, with a capacity of 13.5 liters for extended operation.
- **Oil Fill Cap/Dipstick:** For checking and adding engine oil.
- **Retractable Handle and Wheels:** For easy transportation and maneuverability.
- **Parallel Operation Outlets:** Allows connection of two compatible generators for increased power output.

4. SETUP

Before starting your generator for the first time, perform the following setup steps.

4.1 Unpacking and Inspection

1. Carefully remove the generator and all accessories from the packaging.
2. Inspect the generator for any shipping damage. If damage is found, contact your dealer immediately.
3. Confirm all included accessories are present: battery cables, spark plug wrench, oil funnel, and user manual.



Figure 4.1: Generator and Included Accessories. This image shows the AIVOLT generator alongside its standard accessories, including battery cables, a spark plug wrench, an oil funnel, and the user manual.

4.2 Adding Engine Oil

The generator is shipped without engine oil. You must add the recommended oil before the first start.

1. Place the generator on a level surface.
2. Locate and remove the oil fill cap/dipstick.
3. Using the provided funnel, slowly add the recommended 10W-30 engine oil until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap/dipstick.

4.3 Adding Fuel

Use fresh, unleaded gasoline with an octane rating of 87 or higher.

1. Ensure the generator is off and cool.
2. Open the fuel tank cap.
3. Slowly pour gasoline into the fuel tank, being careful not to overfill. Leave some space for fuel expansion.
4. Securely close the fuel tank cap.

4.4 Battery Connection (for Electric Start)

The generator includes a VRLA lead-acid battery for electric starting. Connect it as follows:

1. Locate the battery compartment.
2. Connect the positive (+) battery cable (red) to the positive (+) terminal on the battery.
3. Connect the negative (-) battery cable (black) to the negative (-) terminal on the battery.
4. Ensure connections are tight and secure.

4.5 Grounding the Generator

Proper grounding is essential for safety.

1. Connect a grounding wire (not included) from the generator's grounding terminal to a suitable ground source, such as a ground rod driven into the earth.

5. OPERATING INSTRUCTIONS

Follow these steps to safely start and operate your AIVOLT Inverter Generator.

5.1 Starting the Generator

Ensure the generator is on a level surface and in a well-ventilated outdoor area.

Electric Start:

1. Ensure all appliances are disconnected from the generator.
2. Turn the fuel valve to the 'ON' position.
3. Turn the engine switch to the 'ON' position.
4. If the engine is cold, apply the choke.
5. Press and hold the electric start button until the engine starts.
6. Once the engine starts, slowly release the choke (if applied).

Manual (Recoil) Start:

1. Ensure all appliances are disconnected from the generator.
2. Turn the fuel valve to the 'ON' position.
3. Turn the engine switch to the 'ON' position.
4. If the engine is cold, apply the choke.
5. Grasp the recoil starter handle firmly and pull it slowly until you feel resistance, then pull quickly and smoothly.
6. Repeat until the engine starts.
7. Once the engine starts, slowly release the choke (if applied).

5.2 Connecting Electrical Devices

After the generator is running stably, you can connect your electrical devices.

1. Ensure the generator is running at its normal operating speed.
2. Plug your devices into the appropriate AC (230V 16A/32A), DC (12V), or USB Type-A outlets.
3. Monitor the 5-in-1 LED display for overload indicators. If an overload occurs, disconnect some devices.

5.3 Eco-Mode Operation

The Eco-Mode switch allows the engine speed to automatically adjust to the load, improving fuel efficiency and reducing noise.

1. To activate Eco-Mode, press the Eco-Mode switch to the 'ON' position.
2. For full power or when starting high-load devices, switch Eco-Mode 'OFF'.

5.4 Parallel Operation

Two AIVOLT inverter generators can be connected in parallel to double the available power output.



Figure 5.1: Parallel Operation Setup. This image illustrates two AIVOLT generators connected together using parallel cables to combine their power output.

1. Ensure both generators are identical models and rated for parallel operation.
2. Connect the parallel cables (sold separately) to the designated parallel ports on both generators.
3. Start both generators individually.
4. Once both are running stably, you can connect your loads to the parallel outlets.

5.5 Stopping the Generator

1. Disconnect all electrical devices from the generator.
2. Turn the engine switch to the 'OFF' position.
3. Turn the fuel valve to the 'OFF' position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your generator.

6.1 Maintenance Schedule

Item	Every 8 Hours or Daily	Every 50 Hours or Monthly	Every 100 Hours or 6 Months	Every 300 Hours or Annually
Check Engine Oil Level	✓			

Item	Every 8 Hours or Daily	Every 50 Hours or Monthly	Every 100 Hours or 6 Months	Every 300 Hours or Annually
Clean Air Filter		✓		
Change Engine Oil			✓	
Inspect Spark Plug			✓	
Clean Fuel Filter				✓
Inspect Fuel Line				✓

6.2 Storage

For long-term storage (more than 30 days), prepare the generator as follows:

1. Drain the fuel tank and carburetor. Run the engine until it stops from lack of fuel.
2. Change the engine oil.
3. Remove the spark plug and pour a small amount of engine oil into the cylinder. Pull the recoil starter a few times to distribute the oil, then reinstall the spark plug.
4. Clean the exterior of the generator.
5. Store the generator in a clean, dry, well-ventilated area.

7. TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel Low engine oil Engine switch OFF Choke not set correctly Spark plug fouled	Add fresh fuel Add engine oil to correct level Turn engine switch ON Adjust choke as needed Clean or replace spark plug
No power output	Circuit breaker tripped Overload Loose connections	Reset circuit breaker Reduce load Check and secure all connections
Engine runs, but stops	Low fuel Low engine oil Clogged fuel filter	Add fuel Add engine oil Clean or replace fuel filter
Generator is too loud	Eco-Mode OFF Muffler damage	Activate Eco-Mode Inspect muffler for damage; contact service

8. SPECIFICATIONS

Technical specifications for the AIVOLT 6000W Inverter Generator.

- **Model:** EUVS8000411
- **Brand:** AIVOLT
- **Starting Power:** 6000 Watts
- **Running Power:** 5500 Watts
- **Engine Type:** OHV 4-stroke, 322cc
- **Fuel Type:** Unleaded Gasoline
- **Fuel Tank Capacity:** 13.5 Liters
- **Engine Oil Type:** 10W-30
- **Voltage:** 120 Volts (Internal system, output is 230V AC)
- **AC Outlets:** 2 x 230V (16A, 32A)
- **DC Outlet:** 1 x 12V
- **USB Ports:** 2 x Type-A
- **Noise Level:** 61 dB (at 7 meters, 0% load)
- **Dimensions (L x W x H):** 64 x 49 x 54 cm
- **Weight:** 56 Kilograms
- **Special Features:** Silent Inverter Design, Electric and Manual Start, Multi-function Control Panel, 5-in-1 LED Display, Portable Design with Wheels and Retractable Handle.



DIMENSIONS



56KG



54CM

49CM

64CM

Figure 8.1: Generator Dimensions and Weight. This image provides a visual representation of the generator's physical dimensions and its total weight.



SURPER QUIET OPERATION



Figure 8.2: Quiet Operation. The generator is shown in a serene setting, emphasizing its low noise output, suitable for environments where quietness is important.

PORTABLE DESIGN



Figure 8.3: Portable Design. A person is shown effortlessly moving the generator, highlighting its retractable handle and integrated wheels for easy transport.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the warranty card included with your product or contact AIVOLT customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.

Contact Information: Please visit the official AIVOLT website for the most up-to-date contact details for customer support in your region.