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## AIVOLT EUVS4350101

# AIVOLT 3200W Inverter Generator User Manual

Model: EUVS4350101

## 1. IMPORTANT SAFETY INFORMATION

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Read and understand all safety precautions before operating the generator. Failure to follow these instructions may result in serious injury or death.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous 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 while refueling.
- **Electrical Shock Hazard:** Do not operate in wet conditions. Ensure all connections are secure and dry. Do not overload the generator.
- **Hot Surfaces:** The generator and muffler become hot during operation. Avoid contact to prevent burns.
- **Children and Pets:** Keep children and pets away from the generator at all times.

## 2. PRODUCT OVERVIEW

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The AIVOLT 3200W Inverter Generator provides clean and stable power for various applications, from sensitive electronics to small power tools. Its compact and lightweight design makes it ideal for camping, outdoor activities, and as a home backup power source.



Figure 2.1: Front view of the AIVOLT 3200W Inverter Generator, showcasing its orange and black casing, control panel, and output sockets.

## 2.1 Key Features

- **Clean Power:** Inverter technology provides stable power (less than 3% THD), safe for sensitive electronics.
- **High Output:** 3200 Watts peak power and 3000 Watts running power.
- **Eco Mode:** Optimizes engine speed for fuel efficiency and extended runtime.
- **Portable Design:** Weighs only 22.5 kg with an integrated carrying handle for easy transport.
- **Versatile Outlets:** Includes two 230V AC outlets, two 5V USB Type-A ports, and one 12V DC outlet.
- **Quiet Operation:** Designed for low noise output, ideal for recreational use.

# ★ FEATURES



## QUIET TECHNOLOGY

less noise but higher performance



## CLEAN ELECTRICITY

sensitive devices protection



## ECO-MODE

money and fuel saver



## PARALLEL READY

link 2 units for double power



Figure 2.2: Illustration highlighting key features such as quiet technology, clean electricity, eco-mode, and parallel readiness.

## 2.2 Components and Controls

Familiarize yourself with the generator's components and control panel before operation.

# ★ CONTROL PANEL

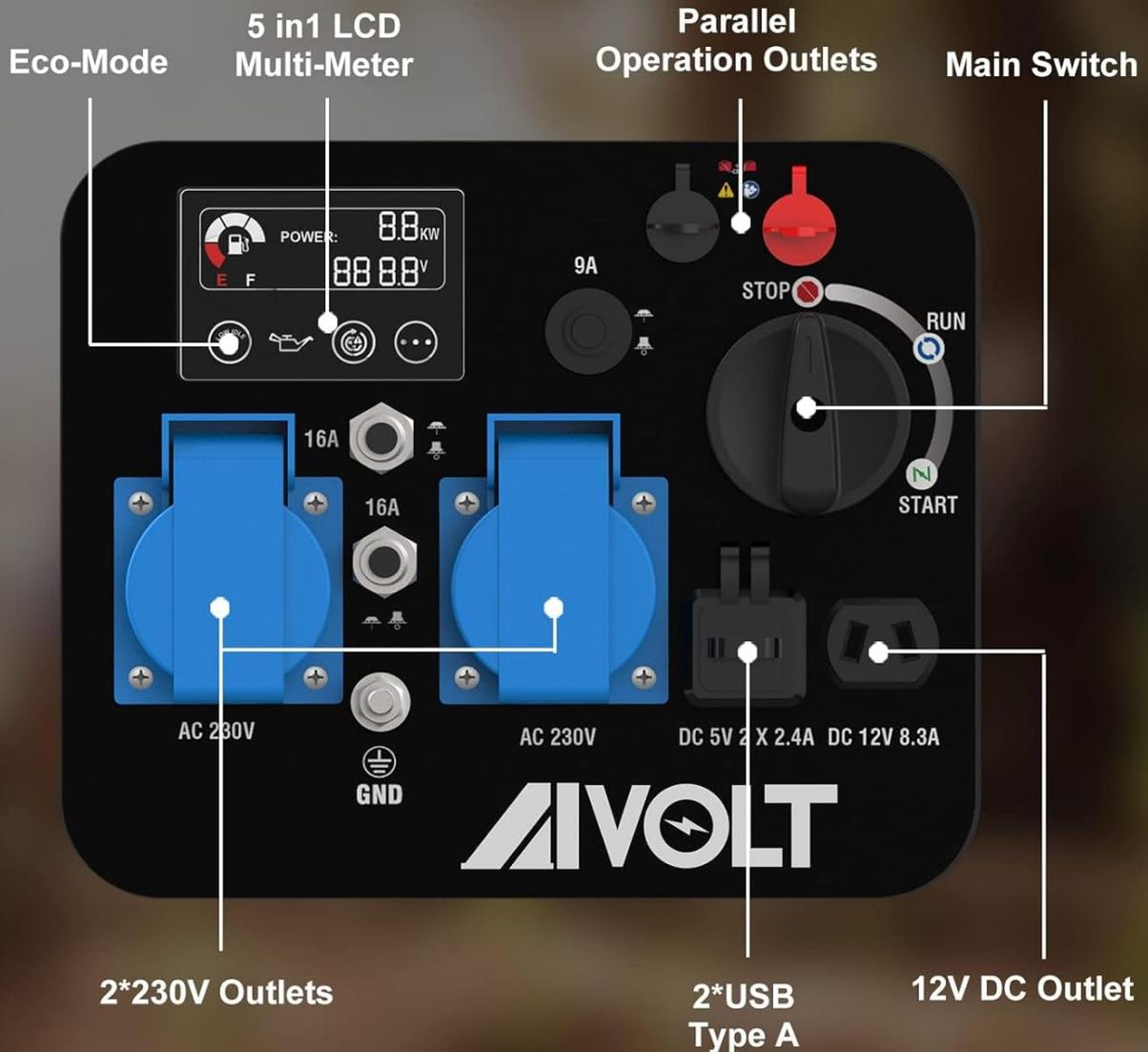


Figure 2.3: Detailed diagram of the control panel, showing the Eco-Mode switch, 5-in-1 LCD Multi-Meter, Parallel Operation Outlets, Main Switch, 2x 230V AC Outlets, 2x USB Type-A ports, and 12V DC Outlet.

- **Main Switch:** Controls engine operation (STOP, RUN, START).
- **Eco-Mode Switch:** Engages fuel-saving mode.
- **5-in-1 LCD Multi-Meter:** Displays power output, voltage, frequency, runtime, and fuel level.
- **AC Outlets (230V):** For connecting standard electrical appliances.
- **USB Type-A Ports (5V):** For charging USB-powered devices.
- **DC Outlet (12V):** For charging 12V batteries or powering DC devices.
- **Parallel Operation Outlets:** For connecting two AIVOLT inverter generators for increased power output (requires parallel kit, sold separately).

## 3. SETUP AND FIRST USE

### 3.1 Unpacking and Inspection

Carefully remove the generator from its packaging. Inspect for any shipping damage. Retain packaging for future transport or storage.

## 3.2 Adding Engine Oil

The generator is shipped without engine oil. Before first use, add the recommended type and amount of oil.

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

## 3.3 Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 or any other ethanol blend exceeding 10%.

1. Ensure the generator is off and cool.
2. Open the fuel tank cap.
3. Slowly pour gasoline into the fuel tank (capacity: 3.5L), leaving a small air gap at the top.
4. Securely close the fuel tank cap. Wipe up any spills immediately.

# 4. OPERATING INSTRUCTIONS

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## 4.1 Starting the Generator

1. Place the generator on a firm, level surface outdoors, away from combustible materials and at least 1 meter from buildings.
2. Ensure the fuel tank is filled and engine oil is at the correct level.
3. Turn the Main Switch to the "START" position.
4. Pull the recoil starter handle slowly until resistance is felt, then pull quickly and firmly. Repeat until the engine starts.
5. Once the engine starts, slowly move the Main Switch to the "RUN" position.
6. Allow the generator to warm up for a few minutes before connecting electrical loads.

## 4.2 Connecting Electrical Loads

Connect appliances to the appropriate outlets. Do not exceed the generator's rated running wattage (3000W) or starting wattage (3200W).

- For AC appliances, plug into the 230V AC outlets.
- For USB devices, plug into the 5V USB Type-A ports.
- For 12V DC devices or battery charging, use the 12V DC outlet.

## 4.3 Eco Mode Operation

Engage the Eco Mode switch to optimize fuel consumption. In Eco Mode, the engine speed adjusts automatically to the connected load, reducing noise and extending runtime.



## SURPER QUIET OPERATION

\*ONLY 62DB AT  
25% LOAD ON 7M



Figure 4.1: The AIVOLT generator operating quietly, suitable for environments where noise reduction is important, such as camping or residential areas.

### 4.4 Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Allow the generator to run for a few minutes without load to cool down.
3. Turn the Main Switch to the "STOP" position.

### 4.5 Parallel Operation (Optional)

Two AIVOLT inverter generators can be connected in parallel using a compatible parallel kit (sold separately) to double the available power output.



Figure 4.2: Two AIVOLT inverter generators connected for parallel operation, providing increased power for larger loads or multiple appliances.

Refer to the parallel kit's instruction manual for detailed connection procedures.

## 5. MAINTENANCE

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

### 5.1 Maintenance Schedule

Item	Before Each Use	Every 25 Hours or Monthly	Every 100 Hours or Annually
Engine Oil Level	Check		
Engine Oil Change			Replace

Item	Before Each Use	Every 25 Hours or Monthly	Every 100 Hours or Annually
Air Filter		Clean	Replace
Spark Plug		Inspect/Clean	Replace
Fuel Filter			Inspect/Replace

## 5.2 Engine Oil Change

Change the engine oil after the first 20 hours of operation, then every 100 hours or annually.

1. Run the engine for a few minutes to warm the oil.
2. Place a drain pan under the oil drain plug.
3. Remove the oil drain plug and oil fill cap to allow oil to drain completely.
4. Replace the drain plug and refill with fresh SAE 10W-30 oil.

## 5.3 Air Filter Maintenance

Clean the air filter every 25 hours or monthly, and replace annually.

1. Remove the air filter cover.
2. Remove the foam air filter element.
3. Wash the element in warm, soapy water, rinse, and allow to air dry completely.
4. Lightly oil the foam element with engine oil, then squeeze out excess.
5. Reinstall the air filter element and cover.

## 6. 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 oil level Main switch in wrong position Spark plug issue	Add fresh gasoline Add engine oil Set to "START" then "RUN" Inspect/clean/replace spark plug
No power output	Overload Circuit breaker tripped Eco mode engaged with high load	Reduce load Reset circuit breaker Turn off Eco mode for starting high-load appliances
Engine runs rough	Stale fuel Dirty air filter Spark plug fouled	Drain old fuel, add fresh Clean/replace air filter Clean/replace spark plug

## 7. SPECIFICATIONS

Attribute	Value
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Attribute	Value
Model Number	EUVS4350101
Engine Type	149cc 4-stroke OHV
Starting Watts	3200W
Running Watts	3000W
AC Voltage	230V
DC Voltage	12V
USB Output	5V (2x Type-A)
Fuel Tank Capacity	3.5 Liters
Noise Level (25% load)	62 dBA
Dimensions (L x W x H)	43 x 39 x 24 cm
Weight	22.5 kg



Figure 7.1: Visual representation of the generator's dimensions: 44cm height, 50cm length, and 30cm width.

## 8. WARRANTY AND SUPPORT

AIVOLT offers a **2-year warranty** for this product, covering defects in materials and workmanship under normal use. For technical assistance, troubleshooting, or warranty claims, please contact AIVOLT customer support. Lifetime technical support is available from dedicated experts.

Please have your model number (EUVS4350101) and purchase date ready when contacting support.



Figure 8.1: Included accessories: 12V DC Battery Charging Cable, Oil Funnel, Tool Bag, and Instruction Manual.

