AIVOLT VS8000411

AIVOLT Dual Fuel Inverter Generator VS8000411 User Manual

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your AIVOLT Dual Fuel Inverter Generator.

Introduction

The AIVOLT VS8000411 is a powerful and efficient dual fuel inverter generator designed for versatile use in homes, camping, RV trips, and job sites. It features a 322cc 4-stroke OHV air-cooled copper winding engine, delivering 8000 starting watts and 6100 running watts. Its super quiet operation at just 62 dBA from 23 feet makes it suitable for various environments. The compact and portable design, weighing 129 pounds, includes a telescopic handle and two 7-inch never-flat wheels for easy transport.



Image: The AIVOLT VS8000411 Inverter Generator showcasing its key features: dual fuel capability, ultra-quiet operation at 62dBA, no baffle start, clean electricity (<3% THD), and CO alert. It also displays gas (8000 starting watts / 6100 running watts) and LPG (7200 starting watts / 5500 running watts) power outputs.

Setup

Adding Engine Oil

Before first use, and for regular maintenance, ensure the engine oil is at the correct level. Remove the cover plate and unscrew the oil dipstick. Inject approximately 23.7 fl.oz (700ml) of SAE 10W-30 oil. Check the oil level with the dipstick; the oil level must not be lower than the "L" position and cannot exceed the "H" position. Wipe out any spilled oil and reinstall the oil access cover.

Video not supported. This video demonstrates the process of adding engine oil to the AIVOLT VS8000411 Dual Fuel Inverter Generator (0:10 - 0:36).

Adding Fuel

The generator supports dual fuel operation (gasoline or propane). For gasoline, inject clean/fresh regular unleaded

gasoline (minimum 87 octane) into the fuel tank. The maximum capacity is 3.6 Gallons (13.5L). Ensure the fuel cap is securely closed after filling.



Image: The AIVOLT Dual Fuel Inverter Generator positioned between a propane tank and a gasoline can, illustrating its ability to operate on both fuel types.

Battery Connection (First Time Use)

For safety during transport and storage, the battery power supply is cut off. Before first use, locate the battery compartment (typically behind a side panel) and connect the battery to enable the electric start function. Ensure all connections are secure.

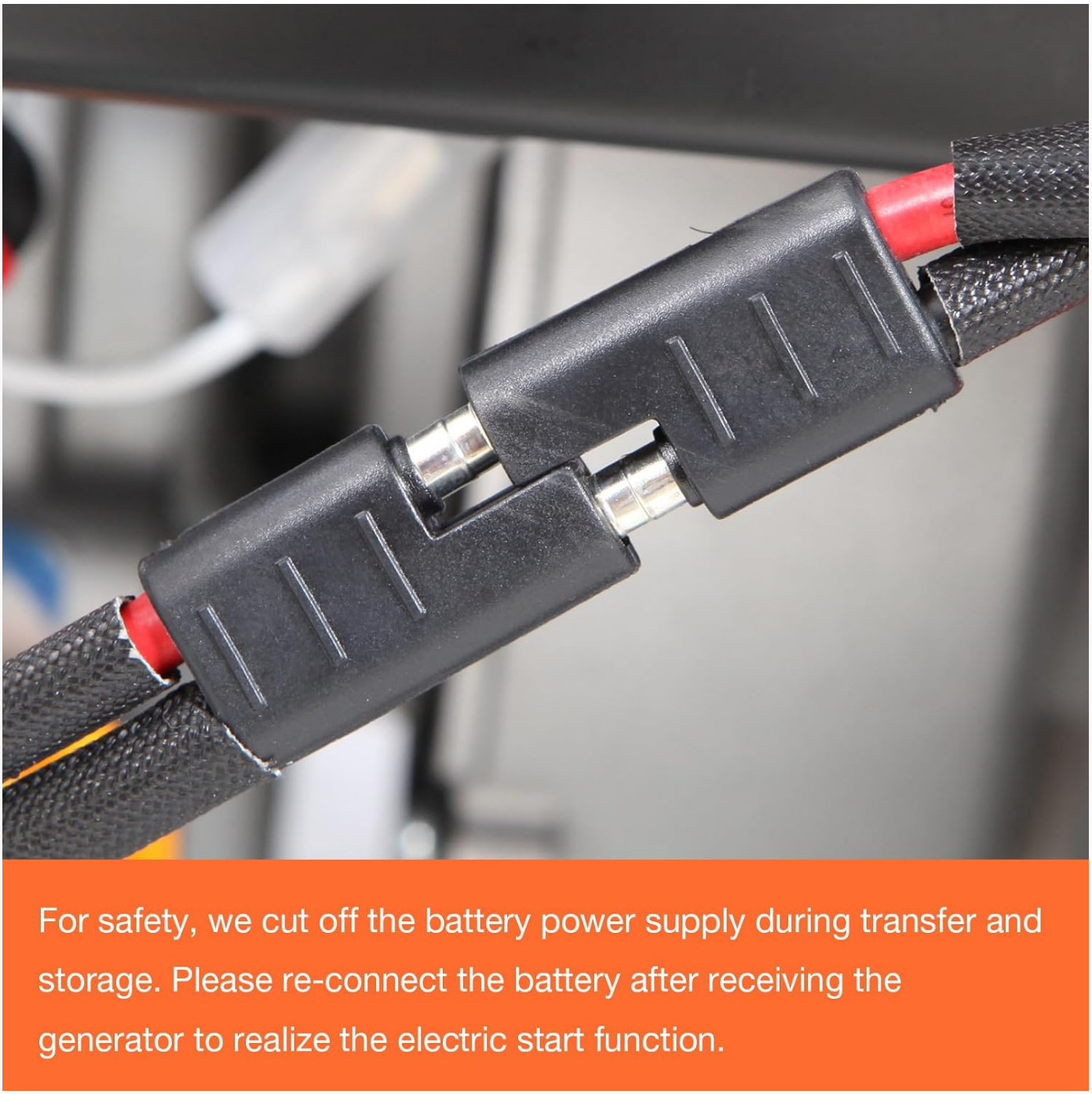


Image: A close-up view of the battery connection point on the AIVOLT generator, with hands connecting the two main battery wires. A warning label indicates the need to reconnect the battery for electric start.

Operating Instructions

Control Panel Overview

The versatile control panel includes various outlets and a 5-in-1 LCD display. It features two 120V 20A GFCI outlets, one 240V 30A twist-lock outlet, one 120V 50A industrial outlet, and one 12V DC cigarette outlet with a dual USB adapter. The LCD display monitors fuel consumption, output, voltage, frequency, and runtime.

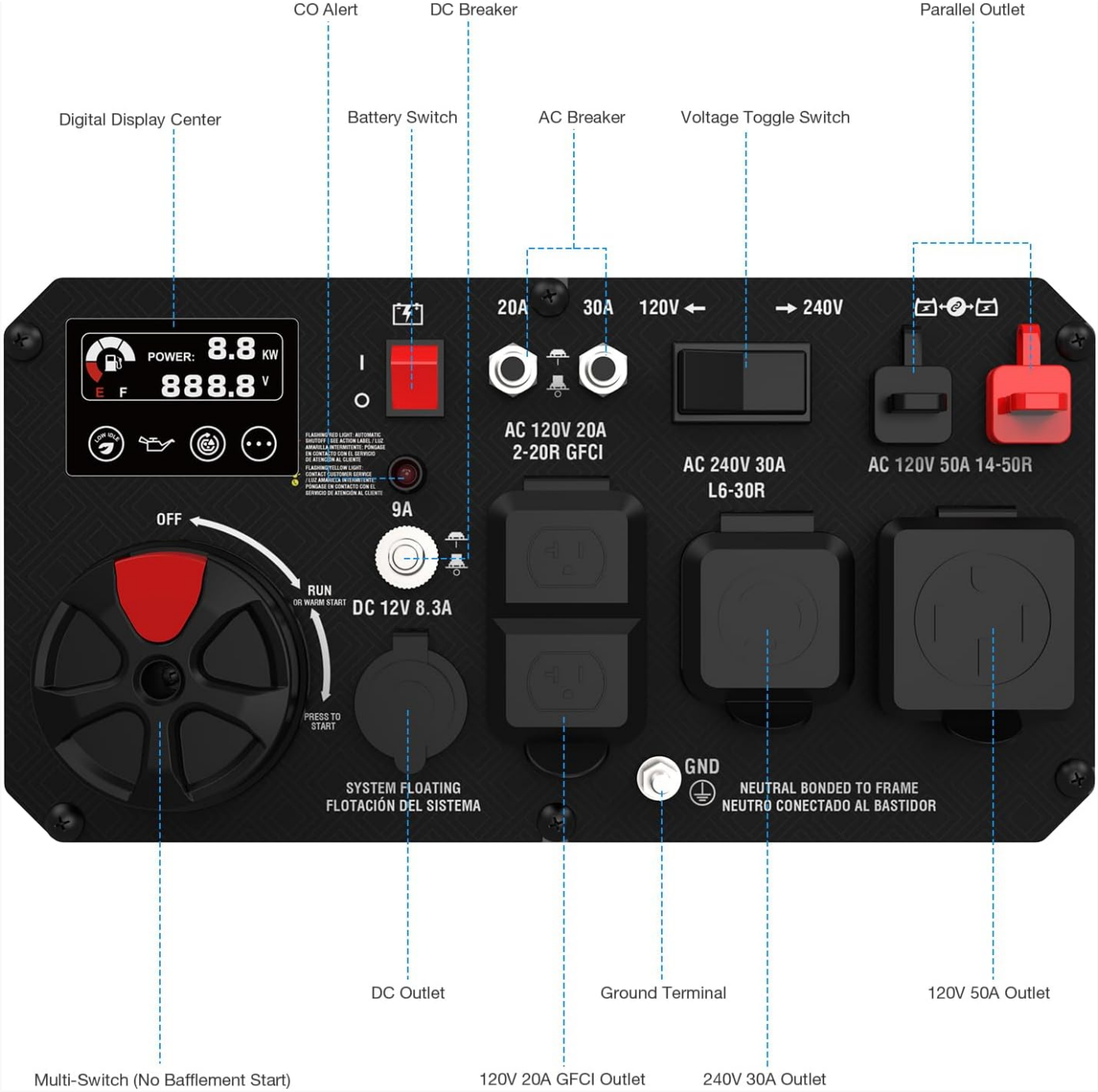


Image: A detailed diagram of the AIVOLT generator's control panel, clearly labeling components such as the digital display, battery switch, AC breakers, voltage toggle switch, various AC outlets (120V 20A GFCI, 240V 30A twist-lock, 120V 50A industrial), 12V DC outlet, ground terminal, and multi-switch.

Starting the Generator (Recoil Start)

1. Turn the battery switch to the "ON" (I) position. 2. Turn the Multi-Switch to the "PRSEE TO START" position. 3. Pull the starter cord slowly until resistance is felt, then pull rapidly. 4. Once the engine starts, turn the Multi-Switch to the "RUN" position.

Video not supported. This video demonstrates the recoil start procedure for the AIVOLT VS8000411 Dual Fuel Inverter Generator (1:23 - 1:36).

Starting the Generator (Electric Start)

1. Turn the battery switch to the "ON" (I) position. 2. Turn and hold the Multi-Switch for 3 seconds until the engine starts. 3. Once the engine starts, turn the Multi-Switch to the "RUN" position.

Video not supported. This video demonstrates the electric start

procedure for the AIVOLT VS8000411 Dual Fuel Inverter Generator (1:36 - 1:46).

Stopping the Generator

1. Remove any load from the generator. 2. Turn the Multi-Switch to the "OFF" position. 3. Turn the battery switch to the "OFF" (O) position.

Video not supported. This video demonstrates the proper shutdown procedure for the AIVOLT VS8000411 Dual Fuel Inverter Generator (1:46 - 1:53).

Maintenance

Changing Engine Oil

To change the engine oil, place the generator on an elevated platform. Remove the cover plate. Place a container under the drainage drain pipe. Unscrew the drainage plug and allow the oil to drain completely. Recover the plug and place the oil drain pipe inside the unit. Inject clean 23.7 fl.oz (700ml) SAE 10W-30 oil. Wipe out any spilled oil and reinstall the oil access cover.

Video not supported. This video demonstrates the oil change procedure for the AIVOLT VS8000411 Dual Fuel Inverter Generator (1:53 - 2:47).

Safety Features

- **CO Alert Technology:** Automatically shuts down the generator if unsafe carbon monoxide levels are detected.
- **Overload Protection:** Built-in protection to prevent damage from electrical overloads.
- **Automatic Low-Fuel Shutdown:** Safeguards the device by shutting down when fuel levels are critically low.

Specifications

Feature	Detail
Brand	AIVOLT
Model Number	VS8000411
Wattage (Starting)	8000 watts
Wattage (Running)	6100 watts
Fuel Type	Dual Fuel (Gasoline/Propane)
Engine Type	322cc 4-stroke OHV Air-Cooled Copper Winding
Noise Level	62 dBA (from 23 feet)
Runtime (25% load)	Over 10 hours
Weight	129 pounds
Dimensions	25.2"L x 19.7"W x 21.4"H

Operating Temperature Range	-4°F (-20°C) to 140°F (60°C)
Outlets	2x 120V 20A GFCI, 1x 240V 30A Twist-Lock, 1x 120V 50A Industrial, 1x 12V DC Cigarette (with Dual USB adapter)
Display	5-in-1 LCD (Fuel, Output, Voltage, Frequency, Runtime)
Compliance	ANSI/PGMA G300-2018, EPA, CARB-approved



Image: The AIVOLT Dual Fuel Inverter Generator with its dimensions (25.2in L x 19.7in W x 21.4in H) and weight (130lbs) clearly marked. Below the generator, the included accessories are displayed: a USB adapter, LPG hose with regulator, DC battery charging cable, tool kit, and oil funnel.

Included Accessories

- Dual 2.4A USB adapter
- LPG hose with regulator
- 12V DC battery charging cable
- Oil funnel
- Tool kit

Troubleshooting

If the generator does not start, ensure the oil level is correct and the battery is properly connected (for electric start models). Check fuel levels and ensure the fuel choice switch is set correctly (gasoline or propane). If the engine runs but no power is output, check for tripped circuit breakers on the control panel. For any persistent issues, consult the full owner's manual or contact customer support.

Operation Tip: Prioritize connecting high-power devices first, as some appliances have a much higher starting power requirement compared to their operating power, ensuring stable operation.

Warranty and Support

For warranty information and customer support, please refer to the official AIVOLT website or contact their customer service directly. Details regarding specific warranty periods and service procedures are typically found within the full owner's manual provided with the product.

Environmental Compliance

This AIVOLT generator meets ANSI/PGMA G300-2018 standards and is EPA and CARB-approved, ensuring compliance with strict emissions regulations for environmental safety.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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