AIVOLT VQ1443501

AIVOLT Dual Fuel Inverter Generator 4300W (Model VQ1443501) Instruction Manual

Your guide to safe and efficient operation

Introduction

This manual provides essential information for the safe and efficient operation and maintenance of your AIVOLT Dual Fuel Inverter Generator 4300W. Please read this manual thoroughly before operating the generator to ensure proper usage and to prevent injury or damage.

Safety Information

Always operate the generator in a well-ventilated area to prevent carbon monoxide poisoning. Keep children and pets away from the generator during operation. Ensure proper grounding before use. Refer to the safety labels on the generator and throughout this manual for detailed warnings and precautions.

Product Features

The AIVOLT 4300W Dual Fuel Inverter Generator is designed for versatility and reliability, offering power for various applications from home backup to outdoor activities.

- **Dual Fuel Capability:** Operates on both gasoline and propane (LPG) for flexible power options.
- **High Power Output:** Provides 4300 starting watts and 3300 running watts on gasoline, and 3900 starting watts and 2900 running watts on propane.
- **Portability:** Weighs 64 lbs and features built-in wheels and a telescoping handle for easy transport.
- **Quiet Operation:** Engineered for low noise levels, operating at approximately 53 dBA at 25% load.
- **Clean Power:** Produces pure sine wave output, safe for sensitive electronics.
- **Multiple Starting Methods:** Includes remote start, electric start, and recoil start for convenience.
- **Safety Features:** Equipped with CO (Carbon Monoxide) detection with auto-shutoff, low oil protection, and overload protection.
- **Parallel Capability:** Allows connection of a second unit (parallel kit sold separately) for increased power output.

Setup

Unpacking and Initial Inspection

Carefully remove the generator from its packaging. Inspect the unit for any signs of damage during shipping. Ensure all components listed in the packing list are present.

Adding Engine Oil

Before first use, the engine must be filled with the recommended oil. Refer to the oil fill cap for the correct oil type and capacity. Do not overfill.



Image: Top view of the AIVOLT generator, showing the oil fill cap. Ensure the generator is on a level surface before adding oil.

Adding Fuel

This generator operates on either gasoline or propane. For gasoline, use unleaded gasoline with an octane rating of 87 or higher. For propane, connect a standard propane tank using the provided LPG hose and regulator.



Image: The AIVOLT generator set up for dual fuel operation, showing connections for both gasoline and propane.

Wheel Kit and Handle Assembly

Attach the wheels and telescoping handle as per the instructions provided in the separate assembly guide. These components enhance the generator's portability.

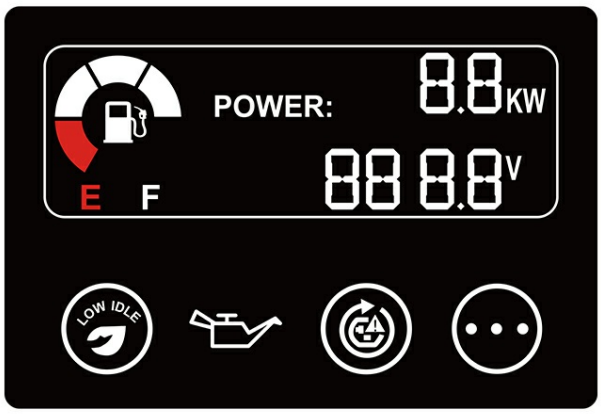


Image: The generator showcasing its portability features, including the telescoping handle and 4-inch wheels, with dimensions indicated.

Operating Instructions

Control Panel Overview

Familiarize yourself with the control panel before starting the generator. It includes outlets, switches, and indicators for power, voltage, low oil, and overload.



LED DATA CENTER

Low-Oil Alert: The indicator light flashes at startup and stays on when oil is low.

Automatic Protection: The engine shuts off automatically to prevent damage.

Safe Restart: The engine will not restart until the oil is refilled to the proper level.

Image: Close-up of the generator's multifunction control panel, showing NEMA TT-30R, NEMA 5-20R, USB-A, and Type-C outlets, along with the fuel switch and start/stop knob.

Starting the Generator

1. **Prepare for Start:** Ensure the generator is on a level surface and all connections are secure.
2. **Fuel Selection:** Turn the fuel switch to the desired fuel type (Gasoline or LPG).
3. **Choke (if applicable):** For cold starts, apply choke as indicated in the quick start guide.
4. **Start Method:**
    - **Electric Start:** Press and hold the electric start button.
    - **Recoil Start:** Pull the recoil starter handle firmly until the engine starts.
    - **Remote Start:** Use the key fob remote to start the generator from a distance.
5. **Warm-up:** Allow the generator to run for a few minutes before connecting appliances.

Stopping the Generator

To stop the generator, disconnect all loads, then turn the engine switch to the "STOP" position.

LED Data Center

The LED data center displays important operational information such as power output (kW), voltage (V), and indicators for low oil, overload, and CO detection.



USER SAFETY COMES FIRST

CO Alert- protect your family by automatically shutdown the generator if dangerous levels of carbon monoxide are detected.

Overload Indicator/Oil Warning Indicator

Image: Illustration of the LED data center, detailing indicators for power, voltage, low oil alert, automatic protection, and safe restart

conditions.

Maintenance

Regular maintenance ensures the longevity and optimal performance of your generator.

- **Oil Changes:** Change engine oil after the first 20 hours of operation, then every 50-100 hours or annually, whichever comes first.
- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug every 100 hours or annually. Replace if necessary.
- **Fuel System:** Drain the fuel tank and carburetor if storing the generator for an extended period (over 30 days) to prevent fuel degradation.

Troubleshooting

This section addresses common issues you might encounter with your generator.

Generator Will Not Start

- **Check Fuel Level:** Ensure there is sufficient gasoline or propane.
- **Check Oil Level:** Low oil will prevent the engine from starting. Add oil if needed.
- **Fuel Valve:** Ensure the fuel valve is in the "ON" position.
- **Spark Plug:** Inspect the spark plug for fouling or damage.
- **Battery (Electric Start):** Ensure the battery is charged for electric start.

No Power Output

- **Circuit Breaker:** Check if any circuit breakers have tripped on the control panel.
- **Overload Indicator:** If the overload indicator is lit, reduce the connected load.
- **CO Sensor:** If the CO sensor has activated, the generator will shut down. Move the generator to a well-ventilated area.



Image: Visual representation of the generator's safety features, including CO Alert, Overload Indicator, and Low Oil Warning Indicator.

Specifications

Feature	Detail
Brand	AIVOLT
Model Number	VQ1443501
Fuel Type	Dual Fuel (Gasoline/Propane)
Starting Wattage (Gasoline)	4300 Watts
Running Wattage (Gasoline)	3300 Watts
Starting Wattage (Propane)	3900 Watts
Running Wattage (Propane)	2900 Watts
Voltage	120 Volts
Frequency	60 Hz
Item Weight	64 Pounds
Dimensions (L x W x H)	20.5" x 13.2" x 18.9"
Runtime (25% load, Propane)	Up to 34 hours
Special Features	CO Sensor, Electric Start, Remote Start, Super Quiet, Telescoping Handle
Included Components	LPG hose with regulator, Tool Kit

Warranty and Support

The AIVOLT Dual Fuel Inverter Generator 4300W comes with a**2-Year Manufacturer Warranty**. For warranty claims or technical support, please contact AIVOLT customer service. Refer to your purchase documentation for specific contact details.

Usage Scenarios

This versatile generator is suitable for a variety of power needs:

- **RV Camping:** Power your RV's air conditioner, microwave, and other appliances with clean inverter power.
- **Home Backup:** Provides essential power during outages for refrigerators, lights, and small appliances.
- **Work Sites:** Capable of running various power tools for construction or outdoor projects.
- **Outdoor Events:** Quiet operation makes it ideal for tailgating, parties, and other outdoor gatherings without excessive noise.

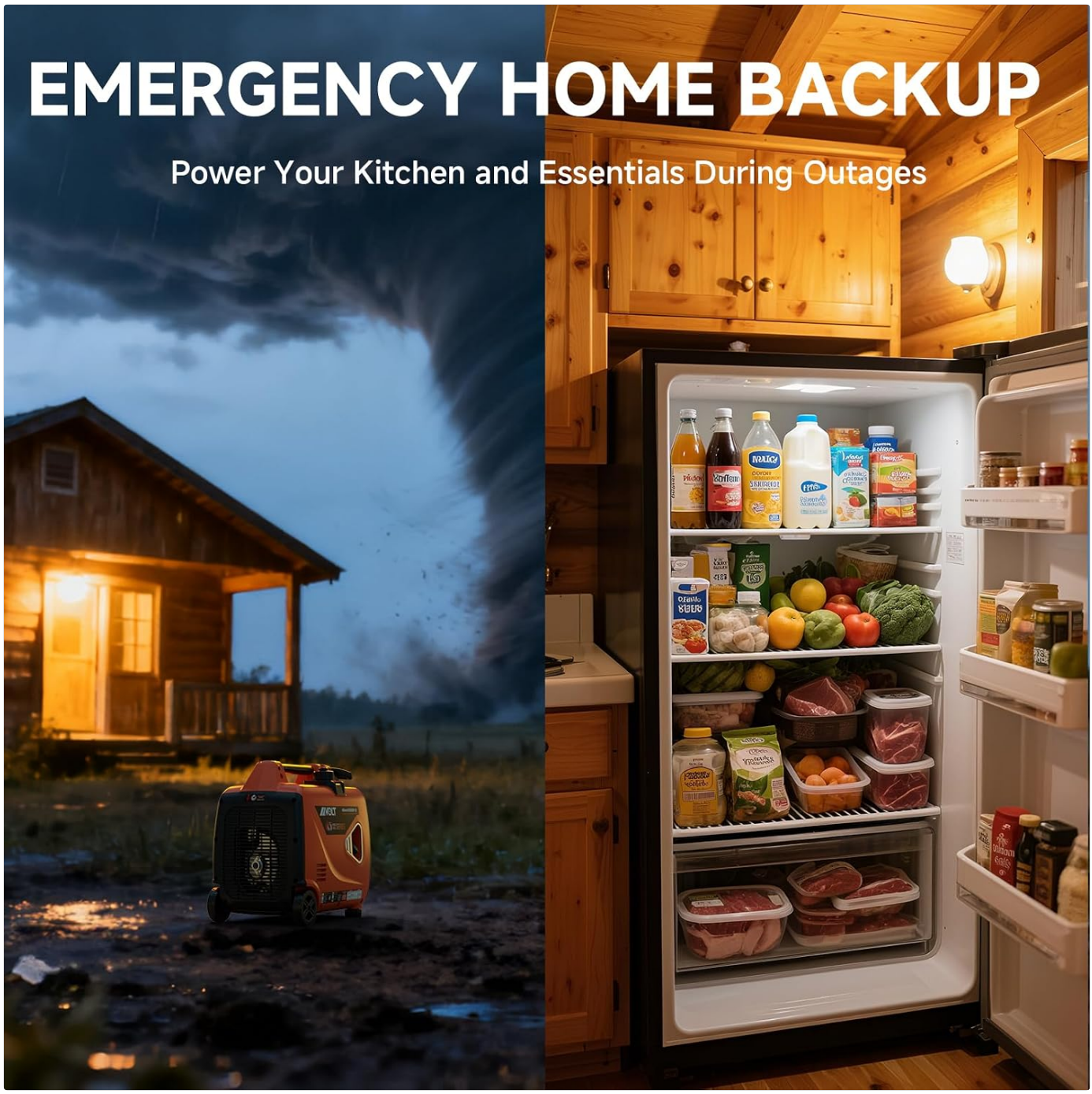


Image: Collage showing the AIVOLT generator in different usage environments: camping, RV, work site, and as home outage backup.

Product Overview Video

Your browser does not support the video tag.

Video: An overview of the AIVOLT Inverter Generator 4300W, demonstrating its features, portability, and control panel. This video highlights the generator's capabilities and ease of use.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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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.

Submit question