



Manuals.plus /

- › Westinghouse /
- › Westinghouse iGen5000DFc EFI Dual Fuel Inverter Generator User Manual

Westinghouse iGen5000DFc EFI

Westinghouse iGen5000DFc EFI Dual Fuel Inverter Generator User Manual

Model: iGen5000DFc EFI

INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your Westinghouse iGen5000DFc EFI Dual Fuel Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage. Keep this manual for future reference.



Image: The Westinghouse iGen5000DFc EFI Dual Fuel Inverter Generator, showcasing its compact design and control panel.

SAFETY INFORMATION

Operating a generator can be hazardous. Always follow these safety guidelines:

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide (CO), an odorless, colorless, and poisonous gas. Operate the generator outdoors only, far away from windows, doors, and vents. Never operate indoors, in a garage, or in any enclosed space.
- **Fire Hazard:** Gasoline and propane are highly flammable. Refuel only when the engine is off and cool. Do not smoke or allow open flames near the generator or fuel. Store fuel in approved containers in a well-ventilated area.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are dry and secure. Do not overload the generator.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact with hot surfaces.
- **CO Sensor:** This generator is equipped with a CO Sensor that automatically shuts down the engine if hazardous levels of carbon monoxide are detected. Do not disable or bypass this safety feature.

WHAT'S INCLUDED

Verify that all items listed below are present in the packaging:

Inverter Generator: The main unit.

Engine Oil & Funnel: For initial setup and oil changes.

Propane Hose: For connecting to an LPG tank.

Key FOB: For remote electric start.

Battery Charger: To maintain the starting battery.

Owner's Manual: This document.

Quick-Start Guide: A condensed version of setup instructions.

Screw Driver: For minor assembly or maintenance.

Warranty Information: Details regarding product warranty.

What's included:



Oil and Funnel



Propane
Regulator Kit



Small Tool Bag
& Phillips/Flat Head

Spark Plug Wrench



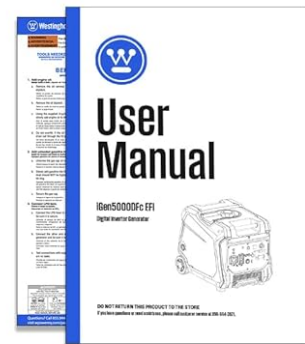
Battery Charger



Inverter Generator



Remote Start
Key Fob



Quick Start Guide
and User Manual

Image: A visual representation of all items included with the generator, such as oil, funnel, propane hose, remote start key fob, battery charger, and tools.

PRODUCT FEATURES OVERVIEW

- **Dual Fuel Capability:** Operates on both gasoline and propane (LPG) for versatile power options.
- **Electronic Fuel Injection (EFI):** Enhances fuel efficiency, reduces emissions, and provides easier starting without a choke.
- **Remote Electric Start:** Conveniently start and stop the generator using a key fob.
- **CO Sensor:** Integrated safety feature that automatically shuts down the engine if carbon monoxide levels become unsafe.
- **RV Ready:** Equipped with a TT-30R RV outlet for direct connection to recreational vehicles.
- **Quiet Operation:** Designed with a double-insulated acoustic enclosure and low tone mufflers for reduced noise.

levels.

- **Digital Data Center:** Provides real-time information on fuel level, power output, voltage, and lifetime run hours.
- **Low THD:** Produces clean power (less than 3% Total Harmonic Distortion) suitable for sensitive electronics.
- **Parallel Capable:** Allows connection of two compatible Westinghouse inverter generators for increased power output (parallel kit sold separately).
- **Portability:** Features a telescoping handle and never-flat wheels for easy transport.

CONTROL PANEL OVERVIEW

Familiarize yourself with the control panel components before operation:

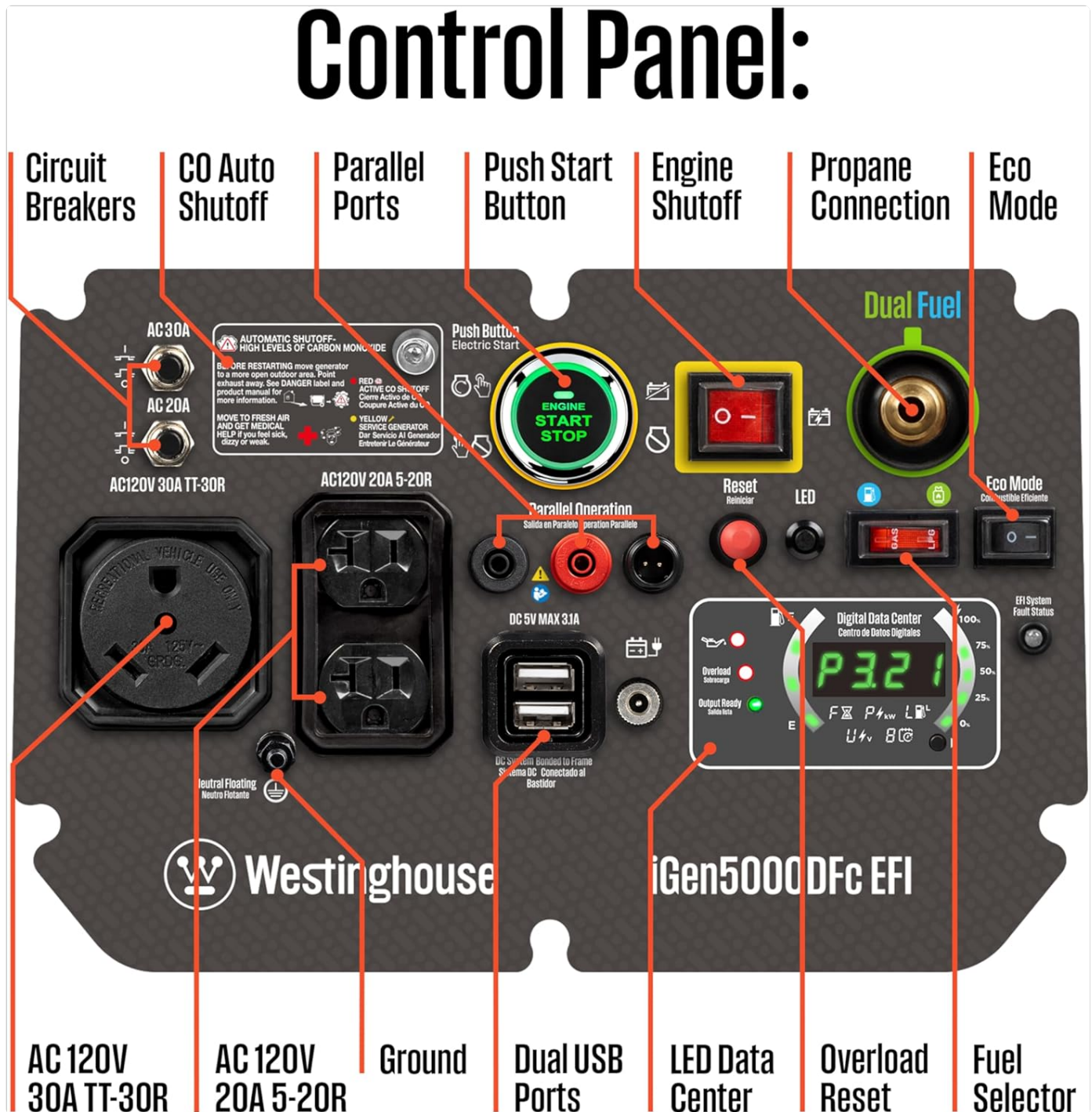


Image: A labeled diagram of the generator's control panel, indicating the location and function of each button, outlet, and indicator.

1. **Circuit Breakers:** Protect outlets from overload.
2. **CO Auto Shutoff Indicator:** Lights up if CO sensor detects unsafe levels.

3. **Parallel Ports:** For connecting a parallel kit.
4. **Push Start Button:** For electric starting the engine.
5. **Engine Shutoff Switch:** To turn off the engine.
6. **Propane Connection:** Inlet for the propane hose.
7. **Eco Mode Switch:** Engages fuel-saving mode.
8. **AC 120V 30A TT-30R Outlet:** RV Ready outlet.
9. **AC 120V 20A 5-20R Outlets (x2):** Standard household outlets.
10. **Ground Terminal:** For grounding the generator.
11. **Dual USB Ports (5V DC 3.1A):** For charging small electronic devices.
12. **LED Data Center:** Digital display for operational information.
13. **Overload Reset Button:** Resets the generator after an overload.
14. **Fuel Selector Switch:** To choose between gasoline and propane.

SETUP

1. Add Engine Oil

The generator is shipped without engine oil. Before first use, add the provided 4-stroke engine oil (SAE 10W-30 recommended) to the crankcase. Ensure the generator is on a level surface. Remove the oil fill cap/dipstick, use the funnel to slowly pour oil until it reaches the upper mark on the dipstick. Do not overfill.

2. Connect Battery

Locate the battery compartment and connect the battery terminals. Ensure positive (+) and negative (-) connections are correct and secure.

3. Add Fuel

This generator operates on either gasoline or propane.

- **Gasoline:** Use fresh, unleaded gasoline with an octane rating of 87 or higher. Fill the fuel tank carefully, avoiding spills. Do not fill above the red indicator in the tank.
- **Propane (LPG):** Connect the provided propane hose to a standard propane tank and to the generator's propane inlet. Ensure all connections are tight.

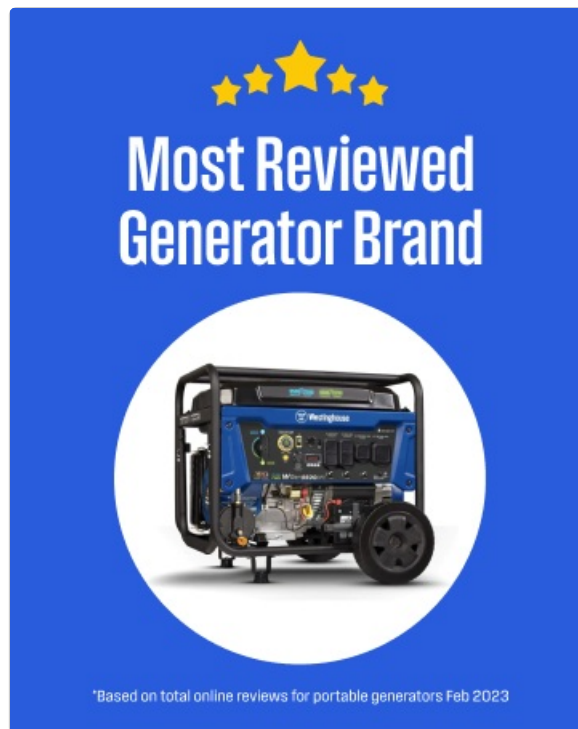


Image: A person carefully pouring gasoline into the generator's fuel tank, demonstrating the refueling process.

4. Generator Placement

Place the generator outdoors on a level surface, at least 20 feet (6 meters) away from any building or structure, and away from windows, doors, and vents. Ensure adequate ventilation to prevent carbon monoxide buildup.

OPERATING INSTRUCTIONS

Starting the Generator

1. Prepare for Start:

- Ensure the generator is on a level surface and away from any enclosures.
- Check engine oil level.
- Select desired fuel type using the Fuel Selector Switch (Gasoline or Propane).
- Ensure no electrical devices are connected to the outlets.

2. Electric Start (Push Button):

- Press and hold the "ENGINE START/STOP" button until the engine starts.
- Release the button once the engine is running.

3. Remote Electric Start (Key FOB):

- Ensure the generator's main power switch is in the "ON" position.
- Press and hold the "START" button on the key FOB until the engine starts.

Eco Mode

Engage the Eco Mode switch to allow the engine speed to automatically adjust to the load. This reduces fuel consumption and noise when less power is required. For full power output, disengage Eco Mode.

Connecting Electrical Loads

Once the generator is running and stable, you can connect your electrical devices. Always ensure the total wattage of

connected devices does not exceed the generator's running wattage.

Shutting Down the Generator

1. Disconnect all electrical loads.
2. If running on gasoline, turn the fuel valve to the "OFF" position and allow the engine to run until it stops from fuel starvation. This helps prevent carburetor issues.
3. If running on propane, close the valve on the propane tank.
4. Turn the Engine Shutoff Switch to the "OFF" position.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your generator. Refer to the full owner's manual for detailed schedules.

- **Engine Oil:** Check oil level before each use. Change oil after the first 20 hours of operation, then every 100 hours or annually. Note: Draining oil may require tilting the generator due to the absence of a dedicated drain plug.
- **Air Filter:** Inspect and clean the air filter every 50 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug every 100 hours. Replace if worn or fouled.
- **Fuel Filter:** Inspect and replace as needed.
- **Storage:** For extended storage, drain the fuel tank and carburetor (if using gasoline) or disconnect the propane tank. Store in a clean, dry area.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	Low oil level, no fuel, fuel selector incorrect, battery discharged, spark plug issue.	Check oil, add fuel, verify fuel selector, charge battery, inspect spark plug.
No power output	Circuit breaker tripped, overload, Eco Mode engaged with high load.	Reset circuit breakers, reduce load, disengage Eco Mode.
Engine runs rough	Stale fuel, dirty air filter, fouled spark plug.	Use fresh fuel, clean/replace air filter, clean/replace spark plug.
CO Sensor shutdown	High carbon monoxide levels detected.	Move generator to a more open area with better ventilation. Do not operate in enclosed spaces.

SPECIFICATIONS

Feature	Detail
Model	iGen5000DFc EFI
Peak Wattage (Gas/Propane)	5000 / 4500 Watts
Running Wattage (Gas/Propane)	3900 / 3500 Watts
Fuel Type	Gasoline, Liquefied Petroleum Gas (Propane)
Fuel Tank Capacity	3.17 Gallons (Gasoline)
Voltage	120 Volts
Total Power Outlets	4 (1x TT-30R, 2x 5-20R, 2x USB)
Item Weight	111 Pounds
Product Dimensions (L x W x H)	25" x 18.1" x 21"
Special Features	CO Sensor, Dual Fuel, Electric Start, Fuel Gauge, Hour Meter, Overload Protection, USB Port, Remote Start, Parallel Capable

WARRANTY AND SUPPORT

Your Westinghouse iGen5000DFc EFI Inverter Generator comes with a **3-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Additionally, **Lifetime Technical Support** is provided through the nationwide Westinghouse Service Network.

For warranty claims, technical assistance, or to locate a service center, please refer to the contact information provided in your Quick-Start Guide or visit the official Westinghouse Outdoor Power Equipment website.

