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Westinghouse iGen4500DF

Westinghouse iGen4500DF Dual Fuel Inverter Generator User Manual

Model: iGen4500DF

1. PRODUCT OVERVIEW

The Westinghouse iGen4500DF Dual Fuel Inverter Generator is a portable power solution designed for versatility and quiet operation. It provides 4500 peak watts and 3700 rated watts, capable of running on either gasoline or propane. This generator is equipped with a remote electric start, an RV-ready 30A outlet, and multiple household outlets, making it suitable for recreational activities, home backup, or job site power.

Key Features:

- **Dual Fuel Capability:** Operates on gasoline or propane for flexible power options.
- **Quiet Operation:** Produces as low as 52 dBA noise output, making it ideal for noise-sensitive environments.
- **High Power Output:** 4500 Peak Watts and 3700 Rated Watts to power essential appliances.
- **Remote Electric Start:** Conveniently start and stop the generator with an included key fob.
- **RV Ready:** Features a TT-30R 30 Amp outlet for direct RV connection.
- **Clean Power:** Less than 3% Total Harmonic Distortion (THD) for safely powering sensitive electronics.
- **LED Data Center:** Digital display shows fuel level, power output, remaining run time, voltage, and lifetime hours.
- **Portability:** Lightweight, compact design with wheels and an extendable handle for easy transport.

What's Included:

Your Westinghouse iGen4500DF generator comes with all necessary accessories to get started. This includes engine oil and a funnel for initial setup, a propane hose for connecting to an LP tank, a battery charger, a remote start key fob, a quick-start guide, and the full owner's manual. A small tool bag containing a screwdriver (Phillips/flat head) and a spark plug wrench is also provided for basic maintenance.

What's included:

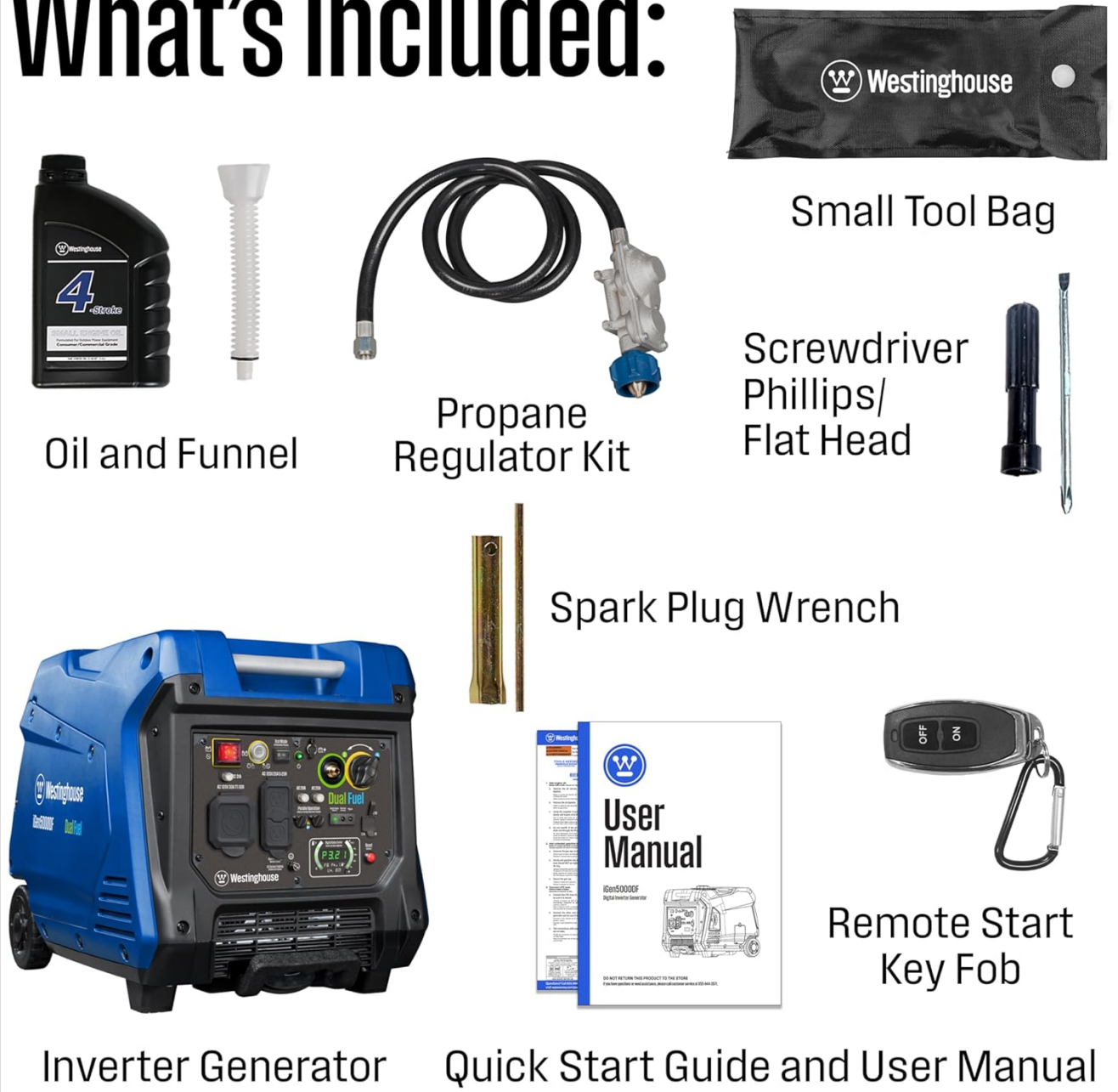


Figure 1.1: Included Components with the iGen4500DF Generator.

2. IMPORTANT SAFETY INFORMATION

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

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, an odorless, colorless, poisonous gas. Operate the generator **ONLY** outdoors in a well-ventilated area, far away from windows, doors, and vents. Never operate indoors, in a garage, or in any enclosed space.
- **Fire Hazard:** Fuel is highly flammable. Do not refuel while the engine is running or hot. Store fuel in approved containers in a well-ventilated area away from ignition sources.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are secure and dry. Do not overload the generator.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for a period after shutdown. Avoid contact with hot surfaces.
- **Children and Pets:** Keep children and pets away from the generator at all times.
- **Grounding:** Always properly ground the generator before operation to prevent electrical shock.

3. SETUP GUIDE

3.1 Unpacking and Inspection

Carefully remove the generator and all components from the packaging. Inspect for any shipping damage. If any damage is found, contact customer support immediately.

3.2 Adding Engine Oil

The generator is shipped without engine oil. Before first use, add the provided 4-stroke engine oil using the funnel. Locate the oil fill cap/dipstick on the side of the generator. Fill to the upper mark on the dipstick. Do not overfill.

EASY MAINTENANCE

Easy access to oil and battery with clip in panels.



Figure 3.1: Oil Fill/Drain and Battery Access Points.

3.3 Connecting Fuel

The iGen4500DF operates on either gasoline or propane. Choose your preferred fuel source.

For Gasoline Operation:

1. Ensure the generator is off and cool.

2. Open the fuel cap and fill the gasoline tank with fresh, unleaded gasoline (minimum 87 octane). Do not overfill.
3. Securely close the fuel cap.

For Propane (LP) Operation:

1. Ensure the generator is off and cool.
2. Connect the provided propane hose to a standard 20 lb (or larger) propane tank.
3. Connect the other end of the hose to the propane inlet on the generator's control panel.
4. Slowly open the valve on the propane tank.



Figure 3.2: Dual Fuel Connection (Propane).

3.4 Battery Connection

The generator's battery may be disconnected for shipping. Locate the battery access cover (refer to Figure 3.1) and ensure the battery terminals are securely connected. The generator comes with a battery charger; ensure the battery is adequately charged for electric start functionality.

4. OPERATING INSTRUCTIONS

4.1 Control Panel Overview

Familiarize yourself with the generator's control panel before operation. This panel provides access to all starting, stopping, and monitoring functions.

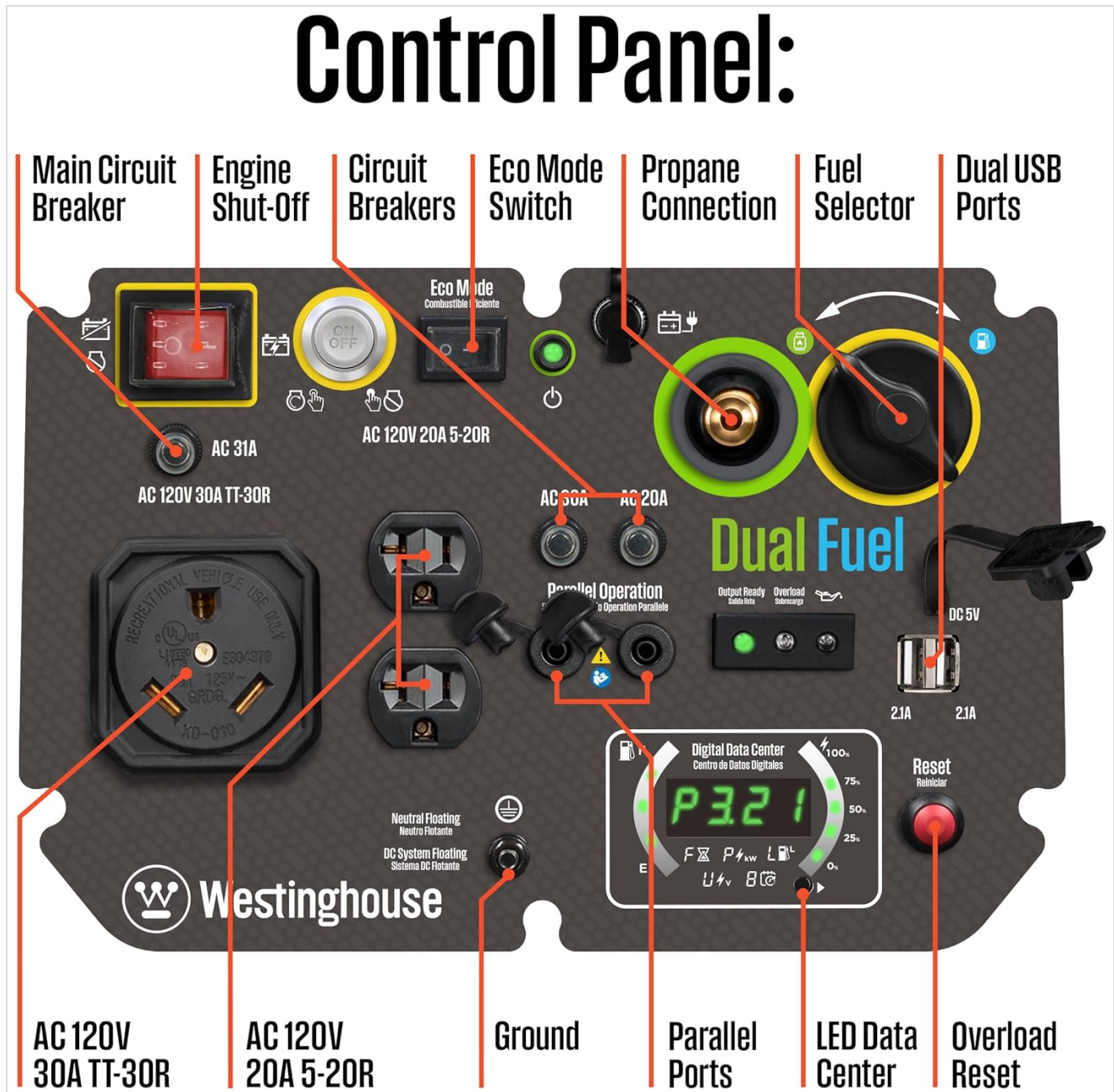


Figure 4.1: iGen4500DF Control Panel.

- **Main Circuit Breaker:** Protects the generator from overload.
- **Engine Shut-Off Switch:** Used to turn the engine ON or OFF.
- **Circuit Breakers:** Individual breakers for AC outlets.
- **Eco Mode Switch:** Engages economy mode for fuel efficiency.
- **Propane Connection:** Inlet for propane hose.
- **Fuel Selector:** Switch between gasoline and propane operation.
- **Dual USB Ports:** For charging small electronic devices.
- **AC 120V 30A TT-30R Outlet:** RV-ready outlet.
- **AC 120V 20A 5-20R Outlets:** Standard household outlets.
- **Ground Terminal:** For proper grounding of the generator.
- **Parallel Ports:** For connecting two iGen series generators in parallel (requires parallel kit, sold separately).

- **LED Data Center:** Digital display showing operational data.
- **Overload Reset Button:** Resets the generator after an overload condition.

4.2 Starting the Generator

Ensure the generator is on a level surface outdoors, away from any structures.

Using Electric Start:

1. Ensure all electrical loads are disconnected from the generator.
2. Select the desired fuel type (Gasoline or Propane) using the Fuel Selector switch.
3. Turn the Engine Shut-Off switch to the 'ON' position.
4. Press and hold the 'START' button on the control panel until the engine starts.

Using Remote Start (Key Fob):

1. Follow steps 1-3 for Electric Start.
2. Press the 'START' button on the remote key fob.

Using Recoil Start:

1. Follow steps 1-3 for Electric Start.
2. Pull the recoil starter handle slowly until resistance is felt, then pull quickly and firmly. Repeat until the engine starts.

4.3 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 Engine Shut-Off switch to the 'OFF' position.
4. If operating on propane, close the valve on the propane tank.

4.4 Using the Outlets

Once the generator is running, you can connect your electrical devices. Ensure the total wattage of connected devices does not exceed the generator's rated output (3700 watts). For sensitive electronics, the iGen4500DF provides clean power with low THD.

4.5 Economy Mode

Engage the 'Eco Mode' switch to allow the engine speed to automatically adjust to the load. This feature optimizes fuel consumption and reduces noise levels when full power is not required.

5. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always ensure the generator is off and cool before performing any maintenance.

5.1 Regular Checks

- Before each use, check the engine oil level and fuel level.
- Inspect for any visible damage, loose fasteners, or fuel/oil leaks.

5.2 Oil Change

Change the engine oil after the first 20 hours of operation, and then every 100 hours or annually, whichever comes first. Refer to Figure 3.1 for oil drain access.

5.3 Spark Plug Maintenance

Inspect the spark plug every 100 hours or annually. Clean or replace if necessary. Use the provided spark plug wrench.

5.4 Air Filter Cleaning

Clean the air filter every 50 hours or more frequently in dusty conditions. A dirty air filter can reduce engine performance.

5.5 Storage

For long-term storage (more than 30 days), drain the fuel tank and carburetor (if using gasoline) or disconnect the propane tank. Add fuel stabilizer if gasoline will remain in the tank. Store the generator in a clean, dry place.

6. TROUBLESHOOTING

This section provides solutions to common operational issues. If the problem persists, contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel or low fuel level	Add fresh fuel (gasoline) or ensure propane tank valve is open.
Engine will not start	Engine Shut-Off switch is OFF	Turn Engine Shut-Off switch to ON.
Engine will not start	Low engine oil level	Add engine oil to the correct level.
Engine will not start	Spark plug fouled or loose	Inspect and clean or replace spark plug.
No power output	Circuit breaker tripped	Reset the circuit breaker(s).
No power output	Overload condition	Reduce connected load and press Overload Reset button.
Engine runs rough	Stale fuel or clogged fuel filter	Drain old fuel, add fresh fuel. Clean or replace fuel filter.
Engine runs rough	Dirty air filter	Clean or replace air filter.

7. TECHNICAL SPECIFICATIONS

Detailed specifications for the Westinghouse iGen4500DF Dual Fuel Inverter Generator.

Specification	Value
Model	iGen4500DF
Peak Wattage	4500 Watts
Rated Wattage	3700 Watts
Voltage	120 Volts
Sound Level	52 dB (as low as)

Specification	Value
Fuel Type	Gasoline, Propane
Fuel Tank Capacity (Gasoline)	3.4 Gallons
Run Time (Gasoline, 25% load)	Up to 18 Hours
Product Dimensions (LxWxH)	75.18 x 54.61 x 61.72 cm
Item Weight	55.8 kg
THD (Total Harmonic Distortion)	Less than 3%
Start Type	Electric Start, Remote Start, Recoil Start
Outlets	5-20R 120V Duplex, TT-30R 30A RV, Dual USB

8. WARRANTY AND CUSTOMER SUPPORT

8.1 Warranty Information

The Westinghouse iGen4500DF Dual Fuel Inverter Generator is backed by a **3-Year Limited Warranty**. This warranty covers service, labor, and parts for defects in material or workmanship under normal use. Please refer to the included warranty document for full terms and conditions.

8.2 Customer Support

For technical assistance, warranty claims, or to order replacement parts, please contact Westinghouse customer support. Keep your model number and serial number ready when contacting support.

Westinghouse Customer Service:

Contact information typically found in the included Owner's Manual or on the official Westinghouse website.