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> Westinghouse iGen5000 Inverter Generator User Manual

## Westinghouse iGen5000

# Westinghouse iGen5000 Inverter Generator User Manual

Model: iGen5000

Brand: Westinghouse

## 1. INTRODUCTION

The Westinghouse iGen5000 Inverter Generator is designed to provide a reliable and efficient portable power solution for various applications, including camping, recreational activities, and emergency backup power. This generator features a TT-30R RV Ready Outlet, two 20A household outlets, and built-in USB ports, making it versatile for powering a wide range of devices. Its advanced engineering ensures maximum fuel efficiency with a variable engine speed, allowing it to run for up to 18 hours on a 3.4-gallon fuel tank. The iGen5000 incorporates a Push-Button Electric Start and wireless remote start for convenient ignition. With less than 3% Total Harmonic Distortion (THD), it is safe for sensitive electronics. The integrated LED Data Center provides real-time operational information, and its compact design with wheels and an extendable handle enhances portability.



Figure 1.1: The Westinghouse iGen5000 Inverter Generator, showcasing its compact design and control panel.

## 2. SAFETY INFORMATION

Operating any generator requires strict adherence to safety guidelines to prevent injury or damage. Please read and understand all safety warnings before operating this product.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, an odorless, colorless, poisonous gas. Operating a generator indoors can kill you in minutes. ALWAYS use the generator outdoors, far away from windows, doors, and vents.
- **Electrical Safety:** Never operate the generator in wet conditions. Ensure all electrical connections are secure and properly grounded. Do not overload the generator.
- **Fuel Safety:** Gasoline is highly flammable. Store fuel in approved containers in a well-ventilated area away from ignition sources. Do not refuel a hot or running engine.
- **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.
- **Proposition 65 Warning:** This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to

### 3. WHAT'S INCLUDED

Upon unpacking your Westinghouse iGen5000 Inverter Generator, verify that all the following components are present:

# What's included:

**Oil and Funnel**

**Small Tool Bag**

**Screwdriver  
Phillips/  
Flat Head**

**Spark Plug Wrench**

**Inverter Generator**

**Quick Start Guide and User Manual**

**Remote Start  
Key Fob**

Figure 3.1: All components included with the iGen5000 generator.

- Westinghouse iGen5000 Inverter Generator
- Engine Oil & Funnel
- Small Tool Bag
- Screwdriver (Phillips/Flat Head)
- Spark Plug Wrench
- Remote Start Key Fob
- Quick-Start Guide

- Owner's Manual (this document)
- Battery Charger
- Warranty Information

## 4. PRODUCT OVERVIEW

### 4.1. Physical Features

The iGen5000 is designed for portability and ease of use. Key physical features include:

- **Telescoping Handle:** For easy transport.
- **Wheels:** Integrated for mobility.
- **Fuel Tank:** Located on top for easy access.
- **Oil Fill/Drain Access:** Conveniently located for maintenance.
- **Battery Access:** Quick connect for battery maintenance.

## EASY MAINTENANCE

Easy access to oil and battery with clip in panels.



**OIL FILL / DRAIN  
ACCESS**

**BATTERY  
ACCESS  
WITH  
QUICK  
CONNECT**

Figure 4.1: Easy access points for oil and battery maintenance.

## 4.2. Control Panel

The control panel provides all necessary controls and indicators for operating the generator.



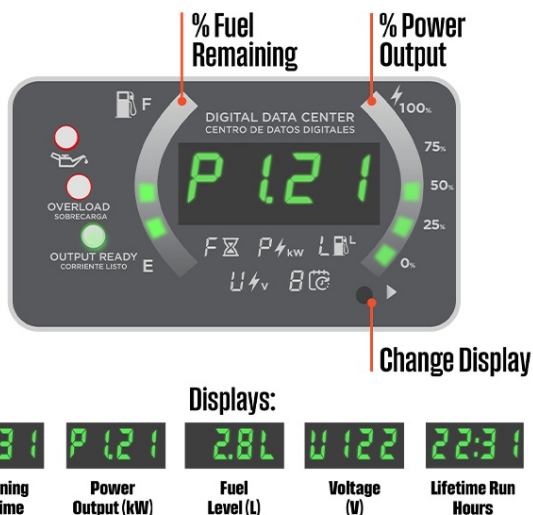
Figure 4.2: Detailed view of the iGen5000 control panel.

**Table 4.1: Control Panel Components**

Component	Description
Engine Shut-Off Switch	Used to turn the engine ON or OFF.
Push Button Electric Start	Initiates engine start with a single press.
Eco Mode Switch	Engages economy mode for maximum fuel efficiency and quieter operation.
Circuit Breakers	Protects outlets from overload.
Fuel On/Off Switch	Controls fuel flow to the engine.
Dual USB Ports	Provides 5V DC power for charging small electronic devices.
AC 120V 30A TT-30R Outlet	RV-ready outlet for higher power demands.
AC 120V 20A 5-20R Duplex Outlets	Standard household outlets.
Parallel Ports	Allows connection of two iGen5000 units for increased power output.
LED Data Center	Digital display showing fuel level, power output, remaining run time, voltage, and lifetime hours.
Overload Reset Button	Resets the generator after an overload condition.
Ground Terminal	Connection point for proper grounding.

## 4.3. Digital Data Center

The LED Data Center provides critical operational information at a glance. Press the "Change Display" button to cycle through different readings.



# Digital Data Center

Figure 4.3: Digital Data Center display and its various readouts.

- **Fuel Level:** Indicates the amount of fuel remaining.
- **Power Output:** Shows the current power being drawn from the generator.
- **Remaining Run Time:** Estimates how long the generator can run on the current fuel level and load.
- **Voltage Output:** Displays the current voltage being produced.
- **Lifetime Hours:** Tracks the total operating hours of the generator.

## 5. SETUP AND FIRST USE

Before starting your iGen5000 generator for the first time, follow these steps carefully:

1. **Unpacking:** Remove the generator and all accessories from the packaging. Inspect for any shipping damage.
2. **Add Engine Oil:**
  - Place the generator on a level surface.
  - Locate the oil fill cap/dipstick.
  - Using the provided funnel, slowly add the recommended engine oil (typically 10W-30, refer to the oil bottle for exact type and quantity) until it reaches the upper mark on the dipstick. Do not overfill.
  - Securely replace the oil fill cap.
3. **Connect Battery:**
  - Locate the battery access cover.
  - Connect the battery terminals, ensuring correct polarity (red to positive, black to negative).
  - Secure the battery access cover.
4. **Add Fuel:**
  - Ensure the generator is OFF and cool.
  - Open the fuel cap.
  - Carefully pour fresh, unleaded gasoline into the fuel tank. Do not fill above the red indicator line.
  - Securely replace the fuel cap.
5. **Grounding:** Connect a grounding wire from the generator's ground terminal to a suitable earth ground.

## 6. OPERATION

### 6.1. Starting the Generator

The iGen5000 offers multiple starting methods:

#### 1. Preparation:

- Ensure the generator is on a level, outdoor surface, away from any structures.
- Verify oil and fuel levels are adequate.
- Ensure no devices are plugged into the outlets before starting.

#### 2. Push Button Electric Start:

- Turn the Engine Shut-Off Switch to the "ON" position.
- Turn the Fuel On/Off Switch to the "ON" position.
- Press and hold the Push Button Electric Start until the engine starts.



Figure 6.1: Using the Push Button Electric Start.

#### 3. Remote Electric Start (Key Fob):

- Ensure the Engine Shut-Off Switch is in the "ON" position.
- Ensure the Fuel On/Off Switch is in the "ON" position.
- Press the "Start" button on the remote key fob.

#### 4. Recoil Start (Manual Pull Start):

- Turn the Engine Shut-Off Switch to the "ON" position.
- Turn the Fuel On/Off Switch to the "ON" position.
- Pull the recoil starter handle firmly and steadily until the engine starts.

### 6.2. Connecting Electrical Devices

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 (3900 Watts) to prevent overload.

- Plug devices into the appropriate AC 120V 20A 5-20R outlets or the AC 120V 30A TT-30R RV outlet.
- Use the USB ports for charging compatible electronic devices.

### 6.3. Economy Mode

Engage the Eco Mode switch for quieter operation and improved fuel efficiency when the power demand is low. The engine speed will automatically adjust to match the load.

### 6.4. Parallel Operation

The iGen5000 is parallel capable, allowing you to connect two compatible Westinghouse inverter generators to double your power output. Refer to the parallel kit's instruction manual for detailed connection procedures.



Figure 6.2: Two iGen5000 units connected for parallel operation.

### 6.5. Stopping the Generator

To stop the generator:

1. Disconnect all electrical loads.
2. Turn the Fuel On/Off Switch to the "OFF" position.
3. Allow the engine to run until it runs out of fuel (this helps prevent fuel system issues).
4. Turn the Engine Shut-Off Switch to the "OFF" position.

## 7. MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always perform maintenance when the engine is off and cool.

**Table 7.1: Maintenance Schedule**

Interval	Action
Before Each Use	Check engine oil level, check fuel level, inspect air filter, check for loose fasteners.
First 20 Hours or 1 Month	Change engine oil.
Every 50 Hours or 3 Months	Clean air filter, inspect spark plug, inspect fuel filter.
Every 100 Hours or 6 Months	Change engine oil, replace spark plug, clean spark arrestor.
Every 300 Hours or Annually	Replace air filter, inspect valve clearance (professional service recommended).

For detailed instructions on specific maintenance procedures, refer to the relevant sections in the full Owner's Manual

## 8. TROUBLESHOOTING

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

**Table 8.1: Common Troubleshooting Issues**

Problem	Possible Cause	Solution
Engine will not start	Low oil level, no fuel, fuel valve off, engine switch off, spark plug issue, battery dead.	Check/add oil, check/add fuel, turn fuel valve ON, turn engine switch ON, inspect/replace spark plug, charge battery.
No power output	Circuit breaker tripped, generator overloaded, Eco Mode engaged with high load.	Reset circuit breaker, reduce load, disengage Eco Mode for high loads.
Engine runs rough or stalls	Stale fuel, clogged fuel filter, dirty air filter, spark plug issue.	Drain old fuel and add fresh, clean/replace fuel filter, clean air filter, inspect/replace spark plug.
Overload indicator on	Connected devices exceed generator capacity.	Disconnect devices, reduce load, restart generator.

## 9. SPECIFICATIONS

Technical specifications for the Westinghouse iGen5000 Inverter Generator:



Figure 9.1: Dimensions of the iGen5000 generator.

- **Model Name:** Inverter Generators (iGen5000)
- **Wattage (Peak):** 5000 Watts
- **Wattage (Running):** 3900 Watts
- **Fuel Type:** Gasoline
- **Power Source:** Fuel Powered
- **Engine Type:** 4 Stroke
- **Engine Displacement:** 224 Cubic Centimeters
- **Tank Volume:** 3.4 Gallons
- **Item Weight:** 119 Pounds
- **Product Dimensions (L x W x H):** 29.6" x 21.5" x 24.3"
- **Voltage:** 120 Volts
- **Current Rating:** 30 Amps
- **Total Power Outlets:** 5 (1x TT-30R, 2x 5-20R, 2x USB)
- **Special Features:** Electric Start, Fuel Gauge, Hour Meter, Remote Start, Parallel Capable
- **Included Components:** Battery Charger, Engine Oil & Funnel, Key FOB, Owner's Manual, Quick-Start Guide, Warranty
- **UPC:** 855464003902

## 10. WARRANTY AND SUPPORT

The Westinghouse iGen5000 Inverter Generator is backed by a 3-year limited warranty, covering service, labor, and parts. Lifetime technical support is also provided.

- For warranty claims or technical assistance, please contact Westinghouse customer service.
- Additional resources, including the full User Manual and User Guide, can be found online:
  - [User Manual \(PDF\)](#)
  - [User Guide \(PDF\)](#)

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For more information, visit the [Westinghouse Store on Amazon](#).