

## Pulsar PG5000BiSRCO

# Pulsar PG5000BiSRCO Dual Fuel Portable Inverter Generator User Manual

Model: PG5000BiSRCO

## 1. INTRODUCTION

Thank you for choosing the Pulsar PG5000BiSRCO Dual Fuel Portable Inverter Generator. This manual provides essential information for the safe operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before operating the unit to ensure proper use and to prevent injury or damage.

The PG5000BiSRCO is a versatile and reliable power source, capable of running on both gasoline and propane. Its advanced inverter technology delivers clean, stable power suitable for sensitive electronics, making it ideal for RVs, job sites, home backup, and outdoor recreation.



**Figure 1.1:** The Pulsar PG5000BiSRCO Dual Fuel Portable Inverter Generator. This image displays the generator from a three-quarter front view, highlighting its compact design and control panel.

## 2. SAFETY INFORMATION

**WARNING: Operating this generator can produce carbon monoxide, a colorless, odorless, poisonous gas. Using a generator indoors CAN KILL YOU IN MINUTES. ALWAYS use generators outdoors and far away from windows, doors, and vents.**

- **Carbon Monoxide (CO) Hazard:** This generator is equipped with CO Sentry carbon monoxide detection for added safety. If the CO Sentry system detects dangerous levels of carbon monoxide, the generator will automatically shut down. Never operate the generator in an enclosed space.
- **Fire Hazard:** Gasoline and propane are highly flammable. Always refuel in a well-ventilated area with the engine off and cool. Keep fuel away from sparks, open flames, and other 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 to prevent burns.

- **Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## 3. PRODUCT OVERVIEW

### 3.1 Key Features

- **Dual Fuel Capability:** Operates on both gasoline (5000 Peak / 4000 Rated Watts) and propane (4500 Peak / 3600 Rated Watts).
- **Inverter Technology:** Provides clean, stable power (less than 3% THD) safe for sensitive electronics.
- **Multiple Start Methods:** Features electric start, remote start, and recoil start for convenience.
- **CO Sentry:** Integrated carbon monoxide detection for enhanced safety.
- **Economy Mode:** Reduces engine speed under light loads to improve fuel efficiency and reduce noise.
- **RV Ready:** Includes a 120V 30A RV (TT-30R) outlet, two 120V 20A household outlets (5-20R), and two USB outlets (USB-A & USB-C).
- **Portability:** Equipped with a telescoping handle and wheel kit for easy transport.
- **Parallel Capable:** Allows connection of two PG5000BiSRCO units for increased power output (parallel kit sold separately).

### 3.2 Control Panel and Components

Familiarize yourself with the generator's control panel and main components before operation.



**Figure 3.1:** Detailed view of the Pulsar PG5000BiSRCO control panel. This image labels key features such as the Electric Start

button, Battery Switch, Economy Mode switch, Fuel Source Switch (LPG/Gas), various AC outlets (30A RV, 20A household), USB outlets, and CO Sentry indicator.

1. **Electric Start Button:** Used to start the generator electronically.
2. **Battery Switch:** Engages or disengages the internal battery for electric start.
3. **Economy Mode Switch:** Toggles between standard and economy operation.
4. **Fuel Source Switch:** Selects between Gasoline (GAS) and Propane (LPG) operation.
5. **Outlets:** Includes 120V 30A RV (TT-30R), two 120V 20A household (5-20R), and two USB (USB-A & USB-C).
6. **CO Sentry Indicator:** Lights up if carbon monoxide levels are detected, triggering an automatic shutdown.
7. **Output/Overload Indicator:** Lights up to indicate power output or an overload condition.
8. **Ground Terminal:** For connecting an external ground wire.
9. **Parallel Connectors:** For connecting two generators in parallel.

## FEATURES



## ELECTRIC START

## REMOTE START



**Figure 3.2:** The Pulsar PG5000BiSRCO generator positioned between a red gasoline can and a white propane tank, illustrating its dual-fuel capability. This image emphasizes the flexibility of fuel choice for the user.

## 4. SETUP

## 4.1 Unpacking and Assembly

1. Carefully remove the generator and all components from the packaging.
2. Attach the wheel kit and telescoping handle as per the included assembly instructions.

## 4.2 Adding Engine Oil

The generator is shipped without engine oil. You must add the recommended oil before first use.

1. Place the generator on a level surface.
2. Remove the oil fill cap/dipstick.
3. Using the provided funnel, slowly add 0.6 quarts (0.57 liters) of 10W-30 engine oil until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap/dipstick.

## 4.3 Fueling the Generator

Choose either gasoline or propane for operation.

- **Gasoline:** Use fresh, unleaded gasoline with an octane rating of 87 or higher. Fill the fuel tank (3-gallon capacity) to approximately 1 inch below the filler neck. Do not overfill.
- **Propane:** Connect the included propane hose to a standard 20 lb (or larger) propane tank and to the generator's propane inlet. Ensure all connections are tight.

## 4.4 Battery Connection

For electric start functionality, ensure the internal battery is connected. The generator comes with a battery tender to maintain battery health.

# 5. OPERATING

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## 5.1 Starting the Generator

Ensure the generator is on a level, outdoor surface, away from any structures or vents.





**Figure 5.1:** This image highlights the Electric Start button and the Remote Start key fob for the Pulsar PG5000BiSRCO generator, emphasizing the multiple convenient starting options available to the user.

### 1. Prepare for Start:

- Ensure all electrical loads are disconnected from the generator.
- Turn the Battery Switch to the "ON" position.
- Select your desired fuel source using the Fuel Source Switch (GAS or LPG).

### 2. Starting Procedure:

- **Electric Start:** Press and hold the Electric Start button until the engine starts.
- **Remote Start:** Press and hold the start button on the remote control fob until the engine starts.
- **Recoil Start:** If electric start is unavailable, pull the recoil starter handle firmly and smoothly until the engine starts.

3. Allow the engine to warm up for a few minutes before connecting electrical loads.

## 5.2 Connecting Electrical Loads

Once the generator is running smoothly, you can connect your devices.

1. Plug in your appliances or extension cords into the appropriate outlets.
2. Do not exceed the generator's rated wattage (4000W on gasoline, 3600W on propane). Overloading will trigger the overload protection and shut down the generator.

## 5.3 Economy Mode

To activate Economy Mode, switch the Economy Mode switch to the "ON" position. This will reduce engine speed when the load is low, conserving fuel and reducing noise. For high-demand appliances or starting motors, it is recommended to turn Economy Mode "OFF".

### 5.4 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 Battery Switch to the "OFF" position.
4. If running on gasoline, turn the fuel valve to the "OFF" position. If running on propane, close the valve on the propane tank.

## 6. MAINTENANCE

Regular maintenance is crucial for the longevity and reliable operation of your generator.

- **Engine Oil:** Change the engine oil after the first 20 hours of operation, then every 100 hours or annually.
- **Air Filter:** Inspect and clean the air filter every 50 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect the spark plug every 100 hours. Clean or replace as needed.
- **Fuel System:** For gasoline operation, use a fuel stabilizer if storing the generator for more than 30 days. Drain the carburetor and fuel tank if storing for extended periods. Propane does not require fuel stabilization.
- **Battery:** Use the included battery tender to keep the electric start battery charged, especially during storage.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, battery dead, fuel switch incorrect, spark plug issue.	Check fuel level and type. Add oil. Charge/replace battery. Ensure fuel switch is set correctly. Inspect spark plug.
No power output	Overload, circuit breaker tripped, loose connections.	Reduce load. Reset circuit breakers. Check all connections.
Engine stops unexpectedly	Low fuel, low oil, CO Sentry activation, overload.	Check fuel and oil levels. Move generator to a well-ventilated area if CO Sentry activated. Reduce load.
CO Sentry light on	High carbon monoxide levels detected.	Immediately move the generator to an open, well-ventilated outdoor area. Allow it to cool down before restarting.

## 8. SPECIFICATIONS

Detailed technical specifications for the Pulsar PG5000BiSRCO generator.



**Figure 8.1:** The Pulsar PG5000BiSRCO generator with overlaid dimensions, indicating a length of 24 inches, a width of 14 inches, and a height of 23 inches. This provides a clear visual reference for the unit's physical size.



Specification	Value
Model Name	PG5000BiSRCO
Peak Wattage (Gasoline)	5000 Watts
Rated Wattage (Gasoline)	4000 Watts
Peak Wattage (Propane)	4500 Watts
Rated Wattage (Propane)	3600 Watts
Fuel Type	Gasoline, Propane
Engine Type	191cc 4-Stroke
Fuel Tank Capacity	3 Gallons
Runtime (Half Load)	Up to 9 hours
Noise Level	65 dB
Outlets	1x 120V 30A RV (TT-30R), 2x 120V 20A Household (5-20R), 1x USB-A, 1x USB-C
Item Weight	78 Pounds
Product Dimensions (L x W x H)	24"L x 14.7"W x 23"H
Special Features	Automatic Voltage Regulation, CO Sensor, Dual Fuel, Electric Start, Remote Start


## 9. WARRANTY AND SUPPORT

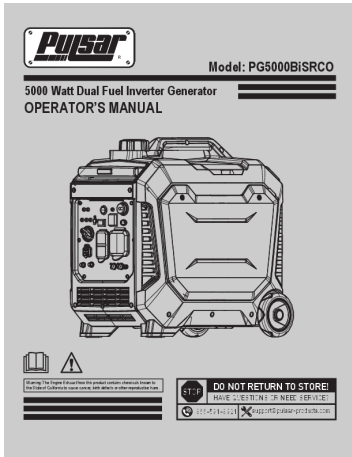
Pulsar stands behind its products. For warranty information, technical support, or to order replacement parts, please contact Pulsar customer service. Keep your purchase receipt and generator serial number handy when contacting support.

For the most current warranty details and contact information, please visit the official Pulsar website or refer to the warranty card included with your product.

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### Related Documents - PG5000BiSRCO

 <p>Model: PG4500BiSRCO Inverter Generator - Gasoline OPERATOR'S MANUAL</p>	<p><a href="#">Pulsar PG4500BiSRCO Inverter Generator Operator's Manual</a></p> <p>Operator's manual for the Pulsar PG4500BiSRCO Inverter Generator, covering safety, features, operation, maintenance, and troubleshooting for gasoline and LPG dual-fuel use.</p>
 <p>Model No. PGD95BiSCO 9500 Watt Dual Fuel Inverter Generator OPERATOR'S MANUAL</p>	<p><a href="#">Pulsar 9500 Watt Dual Fuel Inverter Generator Operator's Manual</a></p> <p>This operator's manual provides comprehensive instructions for the Pulsar PGD95BiSCO 9500 Watt Dual Fuel Inverter Generator, covering safety precautions, operation, maintenance, and troubleshooting.</p>
 <p>Model: GD400BN 4000 Watt Dual Fuel Inverter Generator OPERATOR'S MANUAL</p>	<p><a href="#">Pulsar GD400BN 4000 Watt Dual Fuel Inverter Generator Operator's Manual</a></p> <p>Comprehensive operator's manual for the Pulsar GD400BN 4000 Watt Dual Fuel Inverter Generator, covering safe operation, maintenance, troubleshooting, and technical specifications for gasoline and propane use.</p>
 <p>Model: PG10000B 10000 Watt Generator Owner's Manual</p>	<p><a href="#">Pulsar 10000 Watt Dual Fuel Generator Owner's Manual PG10000B</a></p> <p>Comprehensive owner's manual for the Pulsar 10000 Watt Dual Fuel Generator (Model PG10000B), covering safety, operation, maintenance, troubleshooting, and specifications for both gasoline and LPG use.</p>
 <p>Model No. DHD5000BiSRCO 5000 WATT DUAL FUEL INVERTER GENERATOR OPERATOR'S MANUAL</p>	<p><a href="#">DieHard DHD5000BiSRCO 5000 Watt Dual Fuel Inverter Generator Operator's Manual</a></p> <p>Comprehensive operator's manual for the DieHard DHD5000BiSRCO 5000 Watt Dual Fuel Inverter Generator, detailing safety instructions, operation procedures, maintenance, troubleshooting, and technical specifications.</p>
 <p>Model # PG5250B Generator OPERATOR'S MANUAL</p>	<p><a href="#">Pulsar PG5250B Portable Generator Operator's Manual</a></p> <p>Comprehensive operator's manual for the Pulsar PG5250B portable generator. Covers safety, assembly, operation, maintenance, troubleshooting, and warranty for this dual-fuel (gasoline/LPG) generator.</p>



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5000 Watt Dual Fuel Inverter Generator OPERATOR S MANUALThank you for choosing Pulsar Products!

This manual provides instruction on how to operate and use your generator safely correctly be sure read and PG5000BiSRCO rev 08282023campingworld demandware static Sites CampingWorldAutobahn

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