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Pulsar PG4500iSR

Pulsar PG4500iSR 4500W Portable Inverter Generator User Manual

Model: PG4500iSR

1. INTRODUCTION AND SAFETY INFORMATION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your Pulsar PG4500iSR 4500W Portable Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

Important Safety Warnings:

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operate the generator outdoors only, far away from windows, doors, and vents. Never operate indoors or in enclosed spaces.
- **Fire Hazard:** Gasoline is highly flammable. Always refuel in a well-ventilated area with the engine off and cool. Do not smoke or allow open flames near the generator.
- **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 touching hot surfaces to prevent burns.
- **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 www.P65Warnings.ca.gov.

2. PRODUCT OVERVIEW

The Pulsar PG4500iSR is a portable inverter generator designed to provide reliable power for various applications, including camping, residential backup, and RV use. Its compact design, quiet operation, and remote start capability make it a versatile power solution.

Key Features:

- **Power Output:** 4,500 Peak Watts / 3,700 Running Watts.
- **Extended Operation:** Up to 15 hours at half load on a 3.2-gallon fuel tank.
- **Remote Start:** Convenient wireless remote start allows operation from up to 80 feet away.
- **Quiet Operation:** Operates at 63 dB, making it suitable for noise-sensitive environments.

- **Portability:** Compact design with an extendable handle and never-flat wheels for easy transport and storage.
- **Parallel Capability:** Allows connection of two PG4500iSR units for increased power output (parallel kit sold separately).
- **CARB Compliant:** Meets California Air Resources Board standards.
- **RV Ready:** Equipped with outlets suitable for RV use.

Component Identification:



Figure 2.1: Front view of the Pulsar PG4500iSR Inverter Generator, showing the control panel with various outlets, switches, and indicators.



Figure 2.2: Side view of the Pulsar PG4500iSR Inverter Generator, illustrating its compact design, extendable handle, and never-flat wheels for portability.

3. SETUP

3.1 Unpacking and Inspection:

- Carefully remove the generator from its packaging.
- Inspect for any shipping damage. Contact your dealer immediately if damage is found.
- Ensure all accessories listed in the packing list are present.

3.2 Adding Engine Oil:

The generator is shipped without engine oil. It is crucial to add the correct type and amount of oil before first use.

1. Place the generator on a level surface.
2. Locate and remove the oil fill cap/dipstick.
3. Add recommended engine oil (e.g., SAE 10W-30) to the crankcase until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap/dipstick.

3.3 Adding Fuel:

Use fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 fuel or oil/gasoline mixtures.

1. Ensure the generator is off and cool.
2. Open the fuel tank cap.
3. Slowly add gasoline to the fuel tank, being careful not to overfill. The tank capacity is 3.2 gallons.
4. Securely replace the fuel tank cap. Wipe up any spilled fuel immediately.

3.4 Battery Connection:

The PG4500iSR includes a lithium-ion battery for electric start. Ensure it is properly connected before use.

- Locate the battery compartment.
- Connect the positive (+) terminal (red cable) and negative (-) terminal (black cable) securely.
- Ensure the battery switch is in the "ON" position for electric and remote start functionality.

4. OPERATING INSTRUCTIONS

4.1 Starting the Generator:

Before starting, ensure the generator is on a level surface, away from any obstructions, and all electrical devices are disconnected from the outlets.

1. Turn the fuel valve to the "ON" position.
2. Ensure the engine switch is in the "ON" position.
3. **For Electric Start:** Press and hold the "START" button on the control panel until the engine starts.
4. **For Remote Start:** Use the wireless remote control. Press the "START" button on the remote. The generator can be started from up to 80 feet away.
5. **For Manual (Recoil) Start:** If electric or remote start is unavailable, pull the recoil starter handle firmly and smoothly until the engine starts.
6. Allow the engine to warm up for a few minutes before connecting electrical loads.

Your browser does not support the video tag.

Video 4.1: This video demonstrates the remote start feature and general operation of the Pulsar PG4500iSR Inverter Generator, showcasing its use in various scenarios.

4.2 Parallel Operation:

The Pulsar PG4500iSR is equipped with parallel capability, allowing you to connect two identical units to double your power output. A parallel kit (sold separately) is required for this function.

1. Ensure both generators are off and cool.
2. Connect the parallel kit cables to the designated parallel operation outlets on both generators.
3. Start both generators according to the instructions in Section 4.1.
4. Once both generators are running stably, you can connect your electrical loads to the outlets on the parallel kit.

4.3 Economy Mode:

The Economy Mode switch, when activated, allows the engine speed to automatically adjust to the load. This feature improves fuel efficiency and reduces noise levels during periods of low power demand.

- Turn the Economy Mode switch to "ON" for fuel efficiency and quieter operation.
- Turn the Economy Mode switch to "OFF" when maximum power is required or when operating sensitive electronics that require a constant engine speed.

4.4 Stopping the Generator:

1. Disconnect all electrical loads from the generator outlets.
2. Allow the generator to run for a few minutes without load to cool down.
3. Turn the engine switch to the "OFF" position.
4. Turn the fuel valve to the "OFF" position.

5. MAINTENANCE

Regular maintenance is essential for the longevity and optimal performance of your generator. Always refer to the detailed maintenance schedule in the complete owner's manual.

5.1 Routine Checks (Before Each Use):

- Check engine oil level and add if necessary.
- Inspect the air filter for dirt or debris; clean or replace if needed.
- Check fuel level.
- Inspect for any loose fasteners or damaged components.

5.2 Storage:

For extended storage (more than 30 days), proper preparation is necessary to prevent fuel degradation and engine damage.

1. Add a fuel stabilizer to the fuel tank and run the engine for a few minutes to circulate it.
2. Drain the carburetor bowl (refer to the full manual for specific instructions).
3. Change the engine oil.
4. Remove the spark plug and pour a small amount of engine oil into the cylinder. Pull the recoil starter a few times to distribute the oil, then reinstall the spark plug.
5. Clean the exterior of the generator.
6. Store in a clean, dry, well-ventilated area.

6. TROUBLESHOOTING

This section addresses common issues you might encounter. For more complex problems, consult a qualified service technician.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Engine switch OFF; Spark plug issue; Battery disconnected (for electric start).	Add fuel; Add oil; Turn engine switch ON; Check/clean/replace spark plug; Connect battery.
No power output	Circuit breaker tripped; Overload; Economy mode ON with high load.	Reset circuit breaker; Reduce load; Turn Economy mode OFF.

Problem	Possible Cause	Solution
Engine runs, then stops	Out of fuel; Low oil level; Clogged fuel filter.	Add fuel; Add oil; Clean/replace fuel filter.
Engine runs rough	Stale fuel; Clogged air filter; Incorrect spark plug gap.	Drain and refill with fresh fuel; Clean/replace air filter; Adjust spark plug gap.

7. SPECIFICATIONS

Specification	Value
Brand	Pulsar
Model Name	PG4500iSR
Peak Wattage	4500 Watts
Running Wattage	3700 Watts
Voltage	120 Volts
Fuel Type	Gasoline
Power Source	Gas Powered
Engine Type	4 Stroke
Tank Volume	3.2 Gallons
Item Weight	108 Pounds
Product Dimensions (L x W x H)	27.5 x 21 x 23.5 inches
Total Power Outlets	2
Special Features	Electric Start, Portable, Remote Start, Parallel Capability

8. WARRANTY AND SUPPORT

For detailed warranty information, including coverage periods and terms, please refer to the warranty card included with your generator or visit the official Pulsar Products website. For technical support, replacement parts, or service inquiries, please contact Pulsar customer service directly.

Always provide your model number (PG4500iSR) and serial number when contacting support to ensure efficient assistance.

