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Pulsar PG2300iS

Pulsar PG2300iS Inverter Generator and No-Spill Fuel Can Instruction Manual

Model: PG2300iS Generator & No-Spill 2.5 Gallon Fuel Can

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, maintenance, and troubleshooting of your Pulsar PG2300iS Inverter Generator and No-Spill 2.5 Gallon Fuel Can. Please read this manual thoroughly before using the products and keep it for future reference. Proper use and maintenance will ensure optimal performance and longevity.



Image 1.1: The Pulsar PG2300iS Inverter Generator, showcasing its compact design and control panel.

2. SAFETY INFORMATION

2.1 General Safety Precautions

- Always operate the generator in a well-ventilated area to prevent carbon monoxide poisoning. Never operate indoors.
- Keep children and pets away from the generator during operation.
- Do not operate the generator in rain or wet conditions.
- Ensure all electrical connections are secure and properly grounded.
- Turn off the generator and allow it to cool before refueling.
- Store fuel in an approved container, like the No-Spill fuel can, in a cool, well-ventilated area away from ignition sources.

2.2 Fuel Handling Safety

- Gasoline is highly flammable. Handle with extreme care.

- Do not smoke or allow open flames near fuel or the generator.
- Avoid spilling fuel. If spilled, wipe it up immediately and dispose of rags properly.
- Always use fresh, clean, unleaded gasoline.



Image 2.1: The No-Spill 2.5 Gallon Fuel Can, designed for safe and controlled fuel dispensing.

3. SETUP

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any shipping damage. If any damage is

found, contact your dealer immediately.

3.2 Generator Setup (Pulsar PG2300iS)

1. **Add Engine Oil:** Locate the oil fill cap/dipstick. Add the recommended type and amount of engine oil (refer to the generator's specific oil requirements, typically 10W-30). Do not overfill.
2. **Add Fuel:** Ensure the generator is off and cool. Open the fuel tank cap. Using the No-Spill fuel can, carefully add fresh, unleaded gasoline to the fuel tank. Do not fill above the maximum fill line.
3. **Check Connections:** Verify all hoses and electrical connections are secure.

3.3 Fuel Can Preparation (No-Spill 2.5 Gallon)

1. **Filling the Can:** Unscrew the main cap. Fill the can with gasoline, ensuring not to overfill. Securely replace the cap.
2. **Spout Attachment:** Ensure the spill-proof spout is securely attached to the can.



Image 3.1: Close-up view of the No-Spill fuel can's thumb button controlled spout for precise pouring.

4. OPERATION

4.1 Starting the Pulsar PG2300iS Generator

1. Ensure the generator is on a level surface and in a well-ventilated area.
2. Turn the fuel valve to the 'ON' position.
3. Move the choke lever to the 'CHOKE' position (if the engine is cold).
4. Turn the engine switch to the 'ON' position.
5. Pull the recoil starter handle firmly until the engine starts.
6. Once the engine starts, gradually move the choke lever to the 'RUN' position.

4.2 Connecting Electrical Devices

- Allow the generator to run for a few minutes before connecting any devices.
- Plug your 120V AC devices into the (2) AC 120V 13A outlets.
- For charging USB devices, use the (1) 5V USB port.
- For 12V DC applications, use the (1) 12V 8A Cigarette outlet.
- Do not exceed the generator's rated running wattage of 1800W.

4.3 Economy Mode

The PG2300iS features an Economy Mode switch. When activated, the engine speed adjusts automatically to the load, improving fuel efficiency and reducing noise. For sensitive electronics or high-demand loads, it is recommended to turn Economy Mode off.

4.4 Parallel Operation

The PG2300iS is capable of parallel operation, allowing two units to be connected for increased power output. This requires a separate parallel kit (sold separately). Follow the instructions provided with the parallel kit for safe connection and operation.



Image 4.1: Two Pulsar PG2300iS generators connected via a parallel kit to double the power output.

4.5 Stopping the Generator

1. Disconnect all electrical loads.
2. Turn the engine switch to the 'OFF' position.
3. Turn the fuel valve to the 'OFF' position.

4.6 Using the No-Spill Fuel Can

1. **Pouring Fuel:** Position the spout into the receiving tank opening. Press the thumb button on the spout to begin pouring. Release the button to stop. This controlled flow minimizes spills.
2. **Spout Features:** The 7/8-inch funnel spout is designed to fit various tank openings. An attached dust cover keeps the spout clean, and an integrated 20 mesh stainless steel screen helps filter debris.

5. MAINTENANCE

5.1 Generator Maintenance (Pulsar PG2300iS)

- **Oil Change:** Change engine oil after the first 20 hours of operation, then every 50-100 hours or annually, whichever comes first.
- **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. Ensure proper gap.
- **Fuel Filter:** Inspect and clean or replace the fuel filter annually.
- **Storage:** For long-term storage, drain the fuel tank and carburetor, or use a fuel stabilizer. Store in a dry, clean area.

5.2 Fuel Can Maintenance (No-Spill 2.5 Gallon)

- **Cleaning:** Periodically inspect the can and spout for dirt or debris. Clean with appropriate solvents if necessary.
- **Inspection:** Check for cracks, leaks, or damage to the can or spout. Replace if damaged to prevent spills and hazards.

6. TROUBLESHOOTING

6.1 Generator Troubleshooting

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, choke incorrect, spark plug issue, engine switch off	Add fuel, add oil, adjust choke, check/clean spark plug, turn engine switch ON
No power output	Overload, circuit breaker tripped, faulty connection	Reduce load, reset circuit breaker, check connections
Engine runs rough	Stale fuel, dirty air filter, spark plug issue	Drain/replace fuel, clean air filter, check/clean spark plug

6.2 Fuel Can Troubleshooting

- **Slow Flow:** Ensure the vent is clear. Check for debris in the spout.
- **Leaking:** Ensure the cap and spout are securely tightened. Inspect for cracks or damage.

7. SPECIFICATIONS

7.1 Pulsar PG2300iS Inverter Generator

- **Peak Wattage:** 2300 Watts
- **Running Wattage:** 1800 Watts
- **Fuel Type:** Gasoline
- **Engine Type:** Single Cylinder, 4-Stroke, OHV

- **Engine Displacement:** 418 Cubic Centimeters (Note: This displacement seems unusually high for a 2300W generator, typically associated with much larger engines. Please verify with product labeling if concerned.)
- **Runtime:** Up to 30 hours (at 1/4 load)
- **Noise Level:** 59 dB (from 10 feet)
- **Outlets:** (2) AC 120V 13A, (1) 12V 8A Cigarette, (1) 5V USB
- **Special Features:** Stable Sine Wave, Recoil Start, Low Oil Shut-off, AVR, Parallel Capability, Portable



Image 7.1: The Pulsar PG2300iS generator being carried, highlighting its portability.

7.2 No-Spill 2.5 Gallon Fuel Can (Model 765-102 / 1405)

- **Capacity:** 2.5 Gallons (10 Liters)
- **Dimensions:** 11.75" L x 8" W x 10" H
- **Spout:** Thumb button control, 7/8-inch funnel spout, autostop removable nozzle
- **Features:** Attached dust cover, integrated 20 mesh stainless steel screen, treated can body for low permeation
- **Certifications:** ASTM F-85299 (Gasoline)



Image 7.2: The No-Spill 2.5 Gallon Fuel Can with its dimensions clearly indicated.

For more information, visit the official No-Spill website: m.nospill.com

8. WARRANTY AND SUPPORT

Pulsar products are backed by a limited warranty. Please refer to the warranty card included with your generator for specific terms and conditions. For technical support, parts, or warranty claims, please contact Pulsar customer service directly. Keep your purchase receipt as proof of purchase.

For the No-Spill fuel can, refer to the manufacturer's documentation for warranty details. General support and product information can often be found on the manufacturer's website.

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