

Pulsar PG3500M

Pulsar PG3500M Portable Gas-Powered Generator User Manual

Model: PG3500M

1. INTRODUCTION

Product Overview

The Pulsar PG3500M portable gas-powered generator is designed to provide reliable power for various applications, from powering major appliances to supporting contractors, camping, cottages, and boats. It features a 7 HP dura-life engine, offering up to 3500 peak watts and 3000 running watts. Its efficient design allows for quieter operation, extended life, and improved fuel economy, providing up to 15 hours of operation on a single 4-gallon tank of gasoline. The unit includes a mobility kit for easy transport and offers dual 120V and 12V outlets for versatile power options.

Key Features

- 3,500 Peak Watts / 3,000 Running Watts of power.
- Single Cylinder, 4-Stroke, OHV, Air Cooled Engine protected by a heavy-duty powder-coated frame for durability.
- 4 Gallon Fuel Tank provides up to 12 hours of continuous operation at half load.
- (2) 120V Outlets and (1) 12V DC Output for powering various tools and devices.
- Equipped with Low Oil Shutdown and Automatic Voltage Regulation for enhanced safety and convenience.

2. SAFETY INFORMATION

Read and understand this entire manual before operating the generator. Failure to follow instructions can result in serious injury or death.

General Safety Rules

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in poorly ventilated areas. Exhaust contains carbon monoxide, a colorless, odorless, poisonous gas that can kill you.
- **Fire Hazard:** Gasoline is highly flammable. 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:** Do not operate the generator in wet conditions. Ensure the generator is properly grounded. Never connect the generator to a building's electrical system unless an approved transfer switch has been installed by a qualified electrician.
- Keep children and pets away from the generator during operation.
- Always wear appropriate personal protective equipment (PPE) when operating or maintaining the generator.

Important Safety Symbols

Symbol	Meaning
DANGER	Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.
WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.
CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.
NOTICE	Indicates information considered important, but not hazard-related.

3. SETUP

Unpacking and Assembly

Carefully remove the generator and all components from the packaging. Inspect for any damage. Assemble the mobility kit by attaching the wheels and handles as per the included instructions. Ensure all bolts are securely tightened.

Adding Engine Oil

The generator is shipped without engine oil. Before first use, add the recommended amount and type of oil. Locate the oil fill cap/dipstick. Place the generator on a level surface. Slowly pour the oil into the crankcase until it reaches the upper mark on the dipstick. Do not overfill.

Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher. Ensure the engine is off and cool before refueling. Open the fuel tank cap and slowly add gasoline, leaving a small air gap at the top to allow for expansion. Do not overfill. Securely close the fuel cap.

Grounding the Generator

For safe operation, the generator must be properly grounded. Connect a heavy-gauge copper wire from the generator's grounding terminal to a suitable ground source, such as a ground rod driven into the earth. Consult local electrical codes for specific grounding requirements.

Pulsar PG3500M Portable Generator



High gloss, powder coat tubular steel frame for longer life

Vapor recycle system for cleaner air

3500W peak output, 3000W continuous power
will operate one major appliance

4 gal steel fuel tank for up to 16 hours
operation @ 68 dB noise level

On/Off Fuel valve

Easy-to-read fuel gauge to
take the guessing out of the
fuel level

Choke lever

AC & Main Breakers

Thermal protection light

Air filter

120V circuit reset

Recoil pull start

Dual 120V outlets

Drop handle for greater mobility

No-Flat wheels

208cc, est. 7HP OHV gasoline engine

12V terminal

Low Oil warning light

Warranty: 1 Year Parts & labor

On/Off switch

Vibration absorbing engine mounts for less noise and greater stability

Includes pre-measured oil and tools

EPA Approved

Figure 3.1: Detailed diagram of the Pulsar PG3500M Portable Generator, highlighting key components such as the fuel tank, engine, control panel, and mobility kit. Labels include On/Off Fuel valve, Choke lever, Air filter, Recoil pull start, Drop handle, 208cc engine, Vibration absorbing engine mounts, On/Off switch, 12V terminal, Low Oil warning light, Dual 120V outlets, 120V circuit reset, Thermal protection light, AC & Main Breakers, Easy-to-read fuel gauge, and No-Flat wheels. The diagram also notes the 3500W peak output, 3000W continuous power, 4-gallon steel fuel tank for up to 16 hours operation at 68 dB noise level, High gloss, powder coat tubular steel frame, and Vapour recycle system for cleaner air. It also mentions a 1-year parts & labor warranty, includes pre-measured oil and tools, and is EPA Approved.

4. OPERATING INSTRUCTIONS

Starting the Engine

1. Ensure the generator is on a level surface and all electrical loads are disconnected.
2. Turn the fuel valve to the 'ON' position.
3. Move the choke lever to the 'FULL CHOKE' position (if the engine is cold).
4. Flip the engine switch to the 'ON' position.
5. Firmly grasp the recoil starter handle and pull it quickly until the engine starts.
6. Once the engine starts, slowly move the choke lever to the 'RUN' position.

Connecting Electrical Loads

After the engine has warmed up for a few minutes, you can connect your electrical devices. Plug your appliances into the appropriate 120V or 12V DC outlets. Do not exceed the generator's rated running wattage (3000W) to prevent overload. If an overload occurs, the circuit breakers will trip. Reset them after reducing the load.

Stopping the Engine

1. Disconnect all electrical loads from the generator.
2. Flip the engine switch to the 'OFF' position.
3. Turn the fuel valve to the 'OFF' position to prevent fuel flow.



Figure 4.1: Front view of the Pulsar PG3500M Portable Gas-Powered Generator, showcasing its control panel. Visible elements include the ON/OFF engine switch, oil alert lamp, DC breaker, DC 12V 8.3A output, battery charging indicator, AC breakers, AC 120V outlets (20A), and the main AC breaker. This view provides a clear layout of the user interface for operating the generator.

5. MAINTENANCE

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

Maintenance Schedule

Service Item	Before Each Use	Every 25 Hours or Monthly	Every 100 Hours or Annually
Check Engine Oil Level	✓		
Clean Air Filter		✓	

Service Item	Before Each Use	Every 25 Hours or Monthly	Every 100 Hours or Annually
Change Engine Oil			✓
Inspect Spark Plug			✓
Check Fuel Filter			✓

Engine Oil Change

Drain the old oil while the engine is warm. Remove the drain plug and oil fill cap. Allow all oil to drain completely. Replace the drain plug and refill with the recommended type and amount of new engine oil. Check the level with the dipstick.

Air Filter Cleaning

Remove the air filter cover and take out the foam filter element. Wash the element in warm, soapy water, rinse thoroughly, and allow it to air dry completely. Lightly oil the foam element with engine oil, then squeeze out any excess. Reinstall the filter and cover.

Spark Plug Inspection

Remove the spark plug cap and use a spark plug wrench to remove the plug. Inspect the electrode for wear and carbon buildup. Clean or replace the spark plug as needed. Ensure the gap is set correctly according to the engine specifications in your manual.

Storage

For long-term storage (over 30 days), drain the fuel tank and carburetor, or add a fuel stabilizer. Run the engine until it stops from lack of fuel. Change the engine oil. Remove the spark plug and pour a small amount of engine oil into the cylinder, then slowly pull the recoil starter a few times to distribute the oil. Reinstall the spark plug. Store the generator in a clean, dry place.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel Engine switch OFF Low oil level Choke not set correctly Spark plug issue	Add fresh fuel Turn engine switch ON Add oil to correct level Adjust choke (full for cold, off for warm) Inspect/clean/replace spark plug
No power output	Circuit breaker tripped Overload Faulty cord/appliance	Reset circuit breaker Reduce connected load Test cord/appliance with another source
Engine runs rough	Stale fuel Dirty air filter Spark plug issue	Drain and refill with fresh fuel Clean/replace air filter Inspect/clean/replace spark plug
Low oil alert lamp on	Low oil level	Add oil to correct level

7. SPECIFICATIONS

Specification	Value
Brand	Pulsar
Model Name	Pulsar 3,500W Portable Gas-Powered Generator with Mobility Kit, PG3500M
Peak Wattage	3500 Watts
Running Wattage	3000 Watts
Fuel Type	Gasoline
Power Source	Gas-Powered
Engine Type	4 Stroke, Single Cylinder, OHV, Air Cooled
Engine Displacement	208 Cubic Centimeters
Engine Power Maximum	7 Horsepower
Tank Volume	4 Gallons
Runtime	Up to 15 hours (at half load)
Voltage	120 Volts
Frequency	50 Hz
Item Weight	100 Pounds
Product Dimensions (L x W x H)	24.5" x 18.5" x 19.5"
Included Components	Generator, Mobility Kit
Special Feature	Durability, Low Oil Shutdown, Automatic Voltage Regulation

8. WARRANTY AND SUPPORT

Warranty Information

This Pulsar PG3500M Portable Gas-Powered Generator comes with a **1 Year Parts & Labor** warranty. Please retain your proof of purchase for warranty claims. The warranty covers defects in materials and workmanship under normal use.

Customer Support

For technical assistance, parts, or warranty inquiries, please contact Pulsar Products Inc. customer support. You can also visit the official Pulsar Store for more information and resources:

[Visit the Pulsar Store](#)

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question