

## Generac GP6500

# Generac GP6500 Portable Generator User Manual

Model: GP6500 (7690)

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, setup, and maintenance of your Generac GP6500 portable generator. The GP6500 is designed to provide reliable power with PowerRush Advanced Technology, offering increased starting capacity for various applications.

## SAFETY INFORMATION

Always operate the generator outdoors in a well-ventilated area, away from windows and doors, to prevent carbon monoxide poisoning. Never operate the generator indoors, including garages or sheds.

- **COSense Technology:** This generator is equipped with COSense Technology, which automatically shuts down the engine if hazardous carbon monoxide levels are detected.
- **Low-Oil Level Shutdown:** The engine will automatically shut down if the oil level drops below a safe operating threshold, protecting the engine from damage.
- **Circuit Breakers:** Integrated AC circuit breakers protect the generator from overload. Reset them by pressing the button after resolving the overload condition.

## SETUP

### 1. Unpacking and Assembly

Carefully remove the generator and all components from the packaging. Assembly typically involves attaching the wheels and the easy fold-down handle. Refer to the included assembly guide for detailed steps.



Figure 1: Front view of the Generac GP6500 Portable Generator, showing the control panel, wheels, and handle.

## 2. Adding Engine Oil

The generator is shipped without engine oil. Locate the oil fill cap/dipstick. Using the provided funnel, carefully add the recommended engine oil (typically 10W-30, a quart is often included with the generator) until it reaches the 'Full' mark on the dipstick. Do not overfill.



Figure 2: Side view of the generator, indicating the location for oil addition.

### 3. Adding Fuel

Fill the large-capacity steel fuel tank with fresh, unleaded gasoline. Ensure the fuel cap is securely tightened after filling. The built-in fuel gauge allows for easy monitoring of fuel levels.

## OPERATING INSTRUCTIONS

### 1. Starting the Generator

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 'CHOKE' position (if starting a cold engine).
4. For electric start models, press and hold the 'START' button until the engine starts. For manual start, pull the recoil starter handle firmly.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.

### 2. Connecting Electrical Loads

Once the generator is running smoothly, you can connect your electrical devices to the appropriate outlets (120V, 240V). Do not overload the generator. The control panel features multiple outlets with protective covers.



Figure 3: Control panel of the Generac GP6500, displaying the hour meter, AC breakers, and various power outlets.

### 3. Monitoring Operation

The integrated hour meter tracks engine run time, which is crucial for scheduling maintenance intervals. Regularly check the fuel gauge and listen for any unusual engine noises.

### 4. Shutting Down the Generator

1. Disconnect all electrical loads from the generator.
2. Allow the engine 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.

## MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator. Always refer to the complete owner's manual for detailed maintenance schedules and procedures.

- **Oil Changes:** Change the engine oil at recommended intervals, typically after the first 20 hours of operation, and then every 50-100 hours or annually, whichever comes first. Use the hour meter to track usage.
- **Air Filter:** Inspect and clean the air filter regularly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug annually or every 100 hours. Replace if necessary.
- **Fuel System:** Use a fuel stabilizer if storing the generator for extended periods to prevent fuel degradation.

- **General Cleaning:** Keep the generator clean and free of debris.

## TROUBLESHOOTING

If your generator experiences issues, consult the following basic troubleshooting steps. For complex problems, contact qualified service personnel.

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, choke not set, battery low (electric start)	Add fuel, add oil, adjust choke, charge battery.
No power output	Circuit breaker tripped, overloaded, faulty connection	Reset circuit breaker, reduce load, check connections.
Engine shuts down during operation	Low oil, COSense activation, overload	Check oil level, move to well-ventilated area, reduce load.

## SPECIFICATIONS

- **Brand:** Generac
- **Model:** GP6500 (G0076905)
- **Running Wattage:** 6500 Watts
- **Starting Wattage:** 9100 Watts
- **Fuel Type:** Gasoline
- **Engine Type:** 4 Stroke, OHV
- **Engine Displacement:** 389 Cubic Centimeters
- **Fuel Tank Volume:** 5 Gallons
- **Ignition System:** Electric Start
- **Total Power Outlets:** 3 (various 120V and 120V/240V options)
- **Dimensions (LxWxH):** 28.3 x 27 x 28 inches
- **Item Weight:** 195.6 pounds
- **Special Features:** PowerRush Advanced Technology, COSense Technology, Low-Oil Shutdown, Hour Meter, Heavy-Duty Wheels, Fold-Down Handle

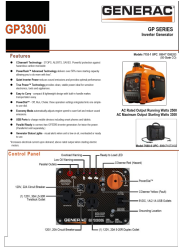

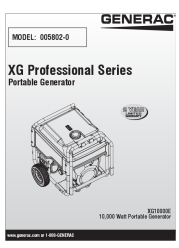
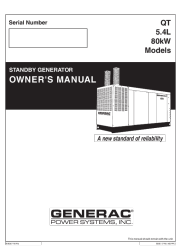

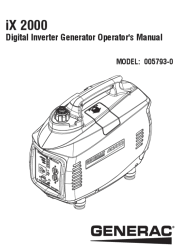
## WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the warranty documentation included with your generator or visit the official Generac website. You may also contact customer support at the number provided in your product documentation.



### Related Documents - GP6500



	<p><a href="#">Generac GP3300i GP Series Inverter Generator: Features, Specifications, and Control Panel</a></p> <p>Explore the Generac GP3300i GP Series Inverter Generator, highlighting its advanced features like COsense® Technology and PowerRush™™, detailed specifications, and control panel layout. Learn about its clean power output, portability, and parallel capabilities.</p>
	<p><a href="#">Generac QuietSource Series QT027 27 kW Standby Generator   Specifications &amp; Installation</a></p> <p>Detailed specifications, features, operating data, and installation layout for the Generac QuietSource Series QT027 27 kW standby generator. Learn about its liquid-cooled engine, advanced controls, and accessories.</p>
	<p><a href="#">Generac XG10000E Portable Generator Owner's Manual</a></p> <p>Comprehensive owner's manual for the Generac XG Professional Series XG10000E portable generator, covering safe operation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">Generac Standby Generator Owner's Manual - QT 5.4L 80kW Models</a></p> <p>Comprehensive owner's manual for Generac QT 5.4L and 80kW standby generator sets. Covers safety, operation, maintenance, troubleshooting, and specifications for reliable power backup.</p>
	<p><a href="#">Generac Protector Series Standby Generators: Specifications, Features, and Installation Guide</a></p> <p>Explore the Generac Protector Series of liquid-cooled gaseous standby generators (25-60 kW). This document details model specifications, key features like True Power™ technology, advanced controllers, fuel consumption, and installation layout information.</p>
	<p><a href="#">Generac iX 2000 Digital Inverter Generator Operator's Manual</a></p> <p>Comprehensive operator's manual for the Generac iX 2000 Digital Inverter Generator, covering safety, operation, maintenance, troubleshooting, and warranty information for reliable power generation.</p>

