

Generac GP3300i

Generac GP3300i 3,300-Watt Portable Inverter Generator Instruction Manual

Model: GP3300i | Brand: Generac

INTRODUCTION

The Generac GP3300i inverter generator is a compact and lightweight portable power source designed for various outdoor activities and backup power needs. Featuring advanced PowerRush™ technology, it delivers enhanced starting capacity for motor-driven equipment. This generator provides clean power suitable for sensitive electronics and includes convenient duplex outlets, a 30A twistlock outlet, and USB ports for mobile device charging. Its fuel-efficient Economy Mode and quiet operation make it ideal for extended use.



Figure 1: Generac GP3300i Portable Inverter Generator, front view.

SETUP

1. Unpacking and Initial Inspection

Carefully remove the generator from its packaging. Inspect for any visible damage. Ensure all included components are present: Engine Oil, Generac 7154 GP3300i Portable Inverter Generator, Oil Funnel, Owner's Manual, Tool Kit.

2. Adding Engine Oil

The generator is shipped without engine oil. Before starting, add the specified amount and type of oil (10W-30 is commonly recommended, refer to the owner's manual for exact specifications and capacity). Use the provided oil funnel to prevent spills.

3. Adding Fuel

Fill the fuel tank with fresh, unleaded gasoline. The tank volume is 1.06 gallons. Do not overfill. Ensure the fuel cap is securely tightened.

4. Grounding the Generator

For safe operation, connect the generator to an earth ground using a grounding rod and appropriate wire. Consult local electrical codes for proper grounding procedures.



Figure 2: Close-up of the Generac GP3300i control panel, showing outlets and indicators.

OPERATING INSTRUCTIONS

1. Starting the Generator

1. Ensure the generator is on a level surface and away from any obstructions.
2. Turn the fuel valve to the 'ON' position.
3. Move the choke lever to the 'CHOKE' position (if the engine is cold).
4. Press the 'ENGINE START' button or pull the recoil starter handle firmly until the engine starts.
5. Once the engine starts, gradually move the choke lever to the 'RUN' position.

2. Eco-Mode Operation

Activate Economy Mode by pressing the 'ECO-MODE' switch. This feature automatically adjusts engine speed to match the load, reducing fuel consumption and noise levels during periods of low power demand. For full power output, deactivate Eco-Mode.

3. Connecting Electrical Devices

Plug your electrical devices into the appropriate outlets on the control panel. The generator features 120V AC 20A duplex outlets, a 120V AC 30A twistlock outlet, and 5V USB ports (2.1A and 1A). Ensure the total wattage of connected devices does not exceed the generator's running wattage (2500 Watts) or starting wattage (3300 Watts).

4. Parallel Capability

The GP3300i is parallel-ready, allowing you to connect two compatible Generac inverter generators for increased power output. Parallel operation requires special cables (sold separately) and adherence to the instructions in the owner's manual.

5. Stopping 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 for storage.

Video 1: Generac GP3300i Portable Inverter Generator Features & Benefits. This video provides a visual overview of the generator's key features and operational benefits.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your Generac GP3300i generator. Always refer to the owner's manual for detailed maintenance schedules and procedures.

1. Engine Oil Check and Change

Check the engine oil level before each use. Change the engine oil after the first 20 hours of operation, and then every 100 hours or annually, whichever comes first. Use the provided oil funnel for adding oil.

2. Air Filter Inspection and Cleaning

Inspect the air filter regularly. Clean or replace the air filter as needed, especially in dusty conditions. A dirty air filter can reduce engine performance and increase fuel consumption.

3. Spark Plug Inspection and Replacement

Inspect the spark plug annually or every 100 hours. Clean or replace the spark plug if it is fouled or damaged. Use the correct spark plug type specified in your owner's manual.

4. Fuel System Maintenance

If storing the generator for an extended period (more than 30 days), drain the fuel tank and carburetor or use a fuel stabilizer to prevent fuel degradation and carburetor issues.

TROUBLESHOOTING

The Generac GP3300i is equipped with LED indicators to help diagnose common issues:

- **Low Oil Indicator:** Illuminates when the engine oil level is too low. The generator will shut down automatically to prevent engine damage. Check and add oil.
- **Overloaded Indicator:** Illuminates when the connected load exceeds the generator's capacity. Disconnect some devices and reset the circuit breaker.
- **Ready-to-Use Indicator:** Illuminates when the generator is running correctly and ready to supply power.

For more complex issues, refer to the detailed troubleshooting guide in your owner's manual or contact Generac customer support.

SPECIFICATIONS

Specification	Value
Brand	Generac
Model Name	7154 (GP3300i)
Starting Wattage	3300 Watts
Running Wattage	2500 Watts
Fuel Type	Gasoline
Power Source	Gas Powered
Voltage	120 Volts
Engine Type	4 Stroke
Engine Displacement	149 Cubic Centimeters
Tank Volume	1.06 Gallons
Item Weight	59.5 Pounds
Product Dimensions	22.2"L x 13.3"W x 18.4"H
Special Features	Automatic Voltage Regulation, Fuel Gauge, Fully Enclosed Design, Low Oil Shutdown, Super Quiet
Included Components	Engine Oil, Generac 7154 GP3300i 50 ST / CARB Portable Inverter Generator, Oil Funnel, Owner's Manual, Tool Kit



Figure 3: Generac GP3300i with key dimensions labeled.

WARRANTY & SUPPORT

The Generac GP3300i Portable Inverter Generator comes with a manufacturer's warranty. Please refer to the owner's manual for specific warranty terms and conditions. For technical assistance, parts, or service, contact Generac customer support. Always provide your model number (GP3300i) and serial number when seeking support.