DEWALT DXGNI2200

DEWALT DXGNI2200 Portable Inverter Generator User Manual

Model: DXGNI2200

Introduction | Safety Information | Components | Setup | Operation | Maintenance | Troubleshooting | Specifications | Warranty & Support

1. Introduction

This manual provides essential information for the safe and effective operation, maintenance, and troubleshooting of your DEWALT DXGNI2200 Portable Inverter Generator. Please read this manual thoroughly before operating the generator and retain it for future reference.

The DEWALT DXGNI2200 is a compact and lightweight portable inverter generator designed for various applications, from powering sensitive electronics to tools. It features a DEWALT 80cc OHV engine, CO-Protect Technology for enhanced safety, Clean Inverter Technology for stable power, and an Economy Mode for fuel efficiency and reduced noise.



Figure 1: DEWALT DXGNI2200 Portable Inverter Generator, showing its compact design and yellow and black casing.

2. Safety Information

WARNING: Carbon Monoxide Hazard. Generators produce carbon monoxide (CO), an odorless, colorless, and poisonous gas. Using a generator indoors CAN KILL YOU IN MINUTES.

2.1 CO-Protect Technology

The DEWALT DXGNI2200 is equipped with CO-Protect Technology, which automatically shuts down the generator if carbon monoxide levels become unsafe or rapidly increase. This feature is designed to protect users from hazardous CO exposure. However, it is not a substitute for safe operating practices.

- Always operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents.
- Never operate the generator in an enclosed space, such as a garage, shed, or basement.
- Install battery-operated CO alarms in your home or RV.

2.2 General Safety Guidelines

- **Fuel Safety:** 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 Safety:** Do not operate the generator in wet conditions. Ensure all connections are secure and use appropriate extension cords. Avoid overloading the generator.

- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact to prevent burns.
- **Children and Pets:** Keep children and pets away from the generator during operation.
- **Read the Manual:** Familiarize yourself with all controls and safety decals before operation.

3. Components Overview

Understanding the various parts of your DEWALT DXGNI2200 generator is crucial for safe and efficient operation.

3.1 Main Features

- **Integrated Handle:** For easy transportation.
- **Fuel Tank:** 1-gallon capacity for gasoline.
- **Control Panel:** Contains outlets, switches, and indicators.
- **Engine:** DEWALT 80cc OHV engine with low oil shutdown.

3.2 Control Panel



Figure 2: Close-up view of the DEWALT DXGNI2200 control panel, showing the Off/Run/Choke knob, Economy switch, various outlets, and LED indicators.

The control panel includes:

- **Off/Run/Choke Knob:** Used for starting and stopping the engine.
- **Economy Switch:** Activates or deactivates Economy Mode.
- **LED Indicators:** Alerts for low oil, overload, and ready-to-use status.
- **Outlets:**
  - (1) 120-volt 20 amp OSHA compliant GFCI receptacle
  - (1) 12-volt DC 8 amp outlet
  - (1) 1.5 amp USB port
- **Parallel Operation Ports:** For connecting two DXGNI2200 units (requires special cables, sold separately).

4. Setup

Before operating your generator, follow these initial setup steps.

4.1 Unpacking

1. Carefully remove the generator from its packaging.
2. Inspect the unit for any shipping damage. Contact your dealer immediately if damage is found.
3. Ensure all included accessories are present.

4.2 Adding Engine Oil

The generator is shipped without engine oil. You must add the correct type and amount of oil before first use.

1. Place the generator on a level surface.
2. Locate the oil fill cap/dipstick.
3. Remove the cap and slowly add the recommended engine oil (refer to the specifications section for oil type and capacity). Do not overfill.
4. Reinsert the dipstick and ensure the oil level is within the safe operating range.

4.3 Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher.

1. Ensure the generator is off and cool.
2. Locate the fuel cap on top of the unit.
3. Slowly add gasoline to the fuel tank, being careful not to overfill. Leave a small air gap to allow for fuel expansion.
4. Securely replace the fuel cap.



Figure 3: Top view of the generator, highlighting the fuel cap for easy access during refueling.

4.4 Placement

Always place the generator on a firm, level surface outdoors in a well-ventilated area, at least 20 feet (6 meters) away from any building openings and 10 feet (3 meters) from other structures.

5. Operating Instructions

5.1 Starting the Generator

1. Ensure the generator has adequate fuel and oil.
2. Place the generator in a safe, outdoor location.
3. Turn the Off/Run/Choke knob to the 'CHOKE' position (for cold starts). For warm starts, turn directly to 'RUN'.
4. Pull the recoil starter handle firmly and smoothly until the engine starts.
5. Once the engine starts, slowly move the Off/Run/Choke knob to the 'RUN' position.
6. Allow the engine to warm up for a few minutes before connecting electrical loads.

5.2 Connecting Electrical Devices

Once the generator is running and the 'Ready-to-Use' LED indicator is illuminated, you can connect your electrical devices.

- Plug your devices into the appropriate 120V AC, 12V DC, or USB outlets.
- Do not exceed the generator's rated running wattage (1700 Watts) or starting wattage (2200 Watts). Overloading will trigger the overload protection and shut down power output.

5.3 Economy Mode

The Economy Mode feature automatically adjusts engine speed to match the electrical load, reducing fuel consumption and noise levels.

- To activate Economy Mode, switch the 'ECONOMY' switch to the 'ON' position.
- For full power or when starting high-load devices, switch 'ECONOMY' to 'OFF'.

5.4 Parallel Operation

The DXGNI2200 can be connected in parallel with another DXGNI2200 unit to increase total available power. This requires a special parallel kit (sold separately).

- Refer to the parallel kit's instruction manual for detailed connection procedures.
- Ensure both generators are off before connecting parallel cables.

5.5 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 Off/Run/Choke knob to the 'OFF' position.

6. Maintenance

Regular maintenance ensures the longevity and reliable performance of your generator.

6.1 Engine Oil Check and Change

- Check the engine oil level before each use.
- Change the engine oil after the first 20 hours of operation, then every 50-100 hours or annually, whichever comes first.

6.2 Air Filter

- Inspect the air filter regularly. Clean or replace if dirty.

6.3 Spark Plug

- Inspect and clean the spark plug annually or every 100 hours. Replace if worn.

6.4 Fuel System

- Use a fuel stabilizer if storing the generator for extended periods.
- Drain the fuel tank and carburetor if storing for more than 3 months without stabilizer.

6.5 Cleaning and Storage

- Clean the exterior of the generator with a damp cloth. Do not use a pressure washer.
- Store the generator in a clean, dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. Troubleshooting

This section provides solutions to common operational issues.

Problem	Possible Cause	Solution
Engine will not start	No fuel Low oil level Choke position incorrect Spark plug issue	Add fresh gasoline Add engine oil Adjust choke knob Inspect/clean/replace spark plug
No power output	Overload Circuit breaker tripped Economy mode engaged with high load	Reduce load, restart generator Reset circuit breaker Turn Economy mode off for high loads
Engine stops unexpectedly	Low oil shutdown CO-Protect activation Out of fuel	Check/add oil Move generator to well-ventilated area, allow to cool, restart Add fuel
Generator runs rough	Stale fuel Dirty air filter Spark plug issue	Drain old fuel, add fresh fuel Clean/replace air filter Inspect/clean/replace spark plug

8. Specifications

Key technical specifications for the DEWALT DXGNI2200 Portable Inverter Generator.



Figure 4: Visual representation of the generator's dimensions (21.3"L x 10.8"W x 17.7"H), weight (49 pounds), starting wattage (2200 Watts), and running wattage (1700 Watts).

Feature	Specification
Brand	DEWALT
Model Name	DXGNI2200

Feature	Specification
Item Model Number	PMC172200.01
Engine Type	4 Stroke, 80cc OHV
Fuel Type	Gasoline
Tank Volume	1 Gallon
Starting Wattage	2200 Watts
Running Wattage	1700 Watts
Voltage	120 Volts
Total Power Outlets	3 (1x 120V 20A GFCI, 1x 12V DC 8A, 1x 1.5A USB)
Run Time (25% load)	Up to 11 hours
Item Weight	49 Pounds
Product Dimensions (L x W x H)	21.3" x 10.8" x 17.7"
Special Features	Lightweight, Low Oil Shutdown, Portable, CO-Protect Technology, Economy Mode

9. Warranty and Support

For warranty information and customer support, please refer to the warranty card included with your product or visit the official DEWALT website. Keep your purchase receipt as proof of purchase for any warranty claims.
If you encounter issues not covered in the troubleshooting section, please contact DEWALT customer service for assistance. Do not attempt to repair the generator yourself, as this may void your warranty and pose safety risks.
DEWALT Customer Service: Refer to your product documentation or the official DEWALT website for current contact information.

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