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WEN 56225i

WEN 56225i 2250-Watt Portable Inverter Generator Instruction Manual

Model: 56225i

Brand: WEN

1. Introduction

The WEN 2,250 Watt Inverter Generator provides clean, quiet, and portable power. It is designed to produce up to 2250 surge watts and 1800 rated watts, making it suitable for various applications from camping to emergency backup power. Its 79.7cc 4-stroke OHV engine operates at an extremely quiet 53 decibels at quarter load, comparable to a normal conversation, minimizing disturbance.
Key features include:

- **Clean Power:** Limits total harmonic distortion to under 0.3% at no load and under 1.2% at full load, safe for sensitive electronics.
- **Fuel Shut-Off:** Maximizes lifespan by allowing the carburetor to run dry, preventing stagnant fuel build-up.
- **Eco-Mode:** Automatically adjusts fuel consumption based on load, enhancing fuel efficiency.
- **Versatile Outlets:** Equipped with two 120V 15A NEMA 5-20R receptacles and two 5V USB ports.
- **Parallel Capability:** Can be linked with another WEN inverter generator for increased power (kit sold separately).
- **Safety Features:** Includes low-oil and low-fuel automatic shutdown, and built-in overload protection.

2. Important Safety Information

▲ DANGER: Using a generator indoors CAN KILL YOU IN MINUTES. Generator exhaust contains carbon monoxide. This is a poison you cannot see or smell.
NEVER use inside a home or garage, EVEN IF doors and windows are open. Only use OUTSIDE and far away from windows, doors and vents.

Always read the operator's manual before starting the generator. This quick start guide should only be used as a reference, not as an alternative to the manual.

Familiarize yourself with all safety symbols and warnings:

- **DANGER:** Indicates a hazard which, if not avoided, will result in death or serious injury.
- **WARNING:** Indicates a hazard which, if not avoided, could result in death or serious injury.
- **CAUTION:** Indicates a hazard which, if not avoided, might result in minor or moderate injury.
- **NOTICE:** Indicates a situation that could result in damage to the machine.

3. Product Components

Familiarize yourself with the key parts of your WEN Inverter Generator:



Figure 3.1: Front view of the WEN 2250W Inverter Generator.



Figure 3.2: Side view showing the handle and exhaust.



Figure 3.3: Close-up of the control panel with outlets, switches, and indicator lights.



Figure 3.4: Rear view of the generator.



Figure 3.5: Close-up of the Eco-mode switch for fuel efficiency.



Figure 3.6: Example of a phone being charged via the generator's USB port.



Figure 3.7: Dimensions of the WEN 2250W Inverter Generator (19"L x 11.5"W x 18.2"H).

4. Setup

Before operating your generator for the first time, proper setup is crucial. Ensure the generator is on a level surface.

4.1. Add/Check Oil

The generator is shipped without oil. You must add the proper amount of oil before operating. The oil capacity is 11.8 fl. oz. (0.35 L). Use SAE 30W oil for temperatures above 40°F, or 10W-30 for temperatures below 40°F. Synthetic 5W-30 oil is suitable for all temperature ranges.

1. Place the generator on a level surface.
2. Ensure the engine is OFF before adding or checking oil.
3. Using a coin, turn the oil access cover screw 1/4 turn clockwise, then remove the access cover from the service panel.
4. Unscrew the oil dipstick from the engine.
5. Slowly add oil using a funnel to prevent spillage. Do not overfill.
6. Reinstall the oil dipstick and tighten it securely.

4.2. Add Fuel

Use clean, fresh, unleaded gasoline with a minimum octane rating of 87. The fuel tank capacity is 1 gallon.

1. Ensure the engine is OFF and cool before adding fuel.
2. Unscrew the fuel cap.
3. Slowly pour gasoline into the fuel tank. Do not overfill.
4. Securely replace the fuel cap.

4.3. Grounding the Generator

For safety, always ground the generator before use. Connect a No. 12 AWG copper wire from the grounding nut on the control panel to a suitable ground source (e.g., a ground rod).

5. Operating Your Generator

5.1. Starting Up

1. Ensure the generator is on a level surface and oil/fuel levels are adequate.
2. Turn the fuel cap's vacuum relief valve to the ON position.
3. Turn the 3-in-1 switch to CHOKE.
4. Pull the recoil starter handle slowly until resistance is felt, then pull quickly and firmly to start the engine.
5. Once the engine starts, slowly turn the 3-in-1 switch to RUN.
6. If desired, engage the ECO-MODE switch to ON for fuel efficiency.
7. Connect your devices to the appropriate outlets.

5.2. Eco-Mode Operation

When Eco-Mode is ON, the generator's engine speed will automatically adjust to match the load. This reduces fuel consumption and noise when less power is needed. When more power is required, the engine will automatically rev up to meet the demand.

5.3. Shutting Down

1. Disconnect all electrical devices from the generator.
2. Turn the ECO-MODE switch to OFF (if it was ON).
3. Turn the 3-in-1 switch to OFF.
4. Turn the fuel cap's vacuum relief valve to the OFF position.
5. For long-term storage, engage the fuel shut-off feature to run the carburetor dry.

6. Maintenance

Regular maintenance ensures optimal performance and extends the lifespan of your generator. Always refer to the full owner's manual for detailed maintenance schedules.

6.1. Draining/Changing Oil

Change the oil according to the recommended maintenance schedule (typically after the first 20 hours of operation, then every 50 hours or every 6 months). Ensure the engine is warm for complete drainage.

1. Place the generator on an elevated platform with a suitable container underneath the drain plug.
2. Remove the oil drain plug and allow oil to drain completely.
3. Reinstall the drain plug and add new oil as per the setup instructions.

6.2. Air Filter Maintenance

Check the air filter every 50 hours of operation or more frequently in dusty conditions. Clean or replace as needed.

1. Remove the air filter cover.
2. Inspect and clean the air filter element.
3. Reinstall the air filter and cover.

7. Troubleshooting

If your generator experiences issues, consult the troubleshooting guide in the full owner's manual. Common issues may include:

- **Engine will not start:** Check fuel level, oil level, spark plug, choke position.
- **No power output:** Check circuit breakers, ensure no overload, verify connections.
- **Engine runs, then stops:** May indicate low oil, low fuel, or an overload condition.

8. Specifications

Specification	Value
Brand	WEN
Model Name	Inverter Generator
Rated Wattage	1800 Watts
Surge Wattage	2250 Watts
Fuel Type	Gas Powered
Fuel Tank Capacity	1 Gallon
Oil Capacity	11.8 fl. oz.
Engine Type	4-Stroke OHV
Engine Displacement	79.7 cc
Runtime (at half-load)	6 hours
Voltage	120 Volts
Frequency	60 Hz

Product Dimensions (L x W x H)	19" x 11.5" x 18.2"
Item Weight	48.5 Pounds
Total Power Outlets	4 (2x 120V AC, 2x 5V USB)

9. Warranty & Support

The WEN 56225i Inverter Generator comes with a**Two-Year Limited Warranty**.
For warranty claims, technical support, or any product-related inquiries, please contact WEN customer service. You can find contact information on the WEN Products website or in your owner's manual.

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