EFURDEN EDOG01

Efurden 2500-Watt Inverter Generator

User Manual

1. Introduction

Thank you for choosing the Efurden 2500-Watt Inverter Generator. This compact and lightweight generator is designed to provide reliable, clean power for various applications, including camping, emergency home backup, and outdoor activities. With 2500 starting watts and 1800 running watts, it offers sufficient power for sensitive electronics and essential appliances. Its super quiet operation and advanced safety features, such as the integrated CO sensor, make it an ideal choice for portable power needs.



Image: The Efurden 2500-Watt Inverter Generator, showcasing its compact design and control panel.

2. Important Safety Information

Always read and understand this entire manual before operating the generator. Failure to follow instructions can result in serious injury or death. Generators produce carbon monoxide (CO), an odorless, colorless gas that can kill you. Always operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents. Never operate it inside a home, garage, shed, or other enclosed space.

- **Carbon Monoxide (CO) Hazard:** This generator is equipped with a CO sensor that automatically shuts down the engine if CO levels become too high. Do not disable or bypass this safety feature.
- **Fire Hazard:** Fuel 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 Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and properly grounded.

- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact with hot surfaces.

3. Product Features

The Efurden 2500-Watt Inverter Generator is packed with features designed for convenience, efficiency, and safety:

- **Powerful Output:** Provides 2500 starting watts and 1800 running watts. It is parallel ready, allowing for increased power output when two units are connected.
- **Versatile Outlets:** Features 2 x 120V AC outlets, 1 x Type-C outlet, 1 x USB outlet, and 1 x 12V DC outlet for various power needs.
- **Fuel Efficient & Long Runtime:** Offers up to 10 hours of runtime at 25% load with its 1.1-gallon fuel tank. Includes an ECO mode for extended operation and reduced noise.
- **Clean Power:** Produces less than 3% Total Harmonic Distortion (THD), making it safe for sensitive electronics like laptops, phones, and other delicate devices.
- **Super Quiet Operation:** Operates at a low noise level of 58 dBA from 23 feet, making it suitable for camping and residential use without excessive disturbance.
- **Ultra Portable:** Weighs only 40 pounds and features a compact design with a built-in handle, ensuring easy transport and storage.
- **Smart CO Protection:** Equipped with a CO sensor that automatically shuts down the generator if carbon monoxide levels become unsafe, providing peace of mind.



Image: The Efurden 2500W Portable Generator highlighting its key benefits: Clean Power, Low Noise, CO Sensor, and Parallel Ready.



Image: The generator connected to various electronics, illustrating its pure sine wave power output with less than 3% THD.



Image: A person easily carrying the 40-pound Efurden generator, demonstrating its ultra-portable design.

4. Components and Control Panel

Familiarize yourself with the generator's components and the control panel for safe and efficient operation.



Image: A close-up of the generator's control panel, showing all ports and indicator lights.

Control Panel Features:

- **Indicator Lights:** Includes lights for CO (Failure/Overrun), Low Oil (yellow), Overload (red), and Running (green).
- **ECO Switch:** Activates economy mode for reduced fuel consumption and noise at lower loads.
- **USB Port:** For charging USB-compatible devices.
- **Type-C Port:** For charging Type-C compatible devices.
- **DC 12V Port:** For 12V DC power applications.
- **AC 120V Ports:** Two standard 120V AC outlets for general power needs.
- **Parallel Socket:** Allows connection of a second compatible Efurden generator for increased power output.
- **Ground (Earth) Terminal:** For proper grounding of the unit.

5. Initial Setup

Before first use, or after extended storage, follow these steps to prepare your generator:

1. **Add Engine Oil:** The generator is shipped without engine oil. Unscrew two screws on the side panel, pop the side panel, and use the included filler tube and funnel to add the appropriate 4-stroke engine oil. Refer to the specifications section for oil type and capacity. *Note: All Efurden generators are factory tested, so a slight smell of gas may be present upon receipt. It is recommended to change the oil after the first tank of fuel.*
2. **Add Fuel:** Fill the 1.1-gallon fuel tank with fresh, unleaded gasoline. Ensure the fuel cap is securely tightened but allow for venting during operation if applicable.
3. **Check Connections:** Ensure all electrical connections are secure and the generator is placed on a firm, level surface outdoors, away from any combustible materials.

6. Operating Your Generator

Starting the Generator:

1. Ensure the generator is on a level surface and all connections are secure.
2. Turn the fuel valve to the ON position.
3. Set the engine switch to the CHOKE position (if cold starting).
4. Pull the recoil starter handle firmly and smoothly until the engine starts.
5. Once the engine starts, gradually move the engine switch to the RUN position.

ECO Mode:

The ECO mode switch allows the generator to automatically adjust engine speed to match the load, saving fuel and reducing noise. When you don't need full power, turn the ECO switch to the ON position. This will decrease power and fuel consumption, and significantly reduce the noise level.



Image: The generator illustrating its long runtime capabilities (10 hours at 25% load) and the efficiency of ECO mode.

Parallel Operation:

For increased power output, two Efurden 2500-Watt Inverter Generators can be connected in parallel using a compatible parallel kit (sold separately). This allows you to double the available wattage without sacrificing portability.



Image: Two Efurden generators set up for parallel operation, demonstrating the ability to combine power.

CO Sensor Protection:

The integrated CO sensor continuously monitors carbon monoxide levels. If unsafe levels are detected, the generator will automatically shut down to protect users. Ensure the generator is always operated in an open, outdoor environment to prevent CO buildup.

7. Maintenance

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

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

- **Air Filter:** Inspect the air filter regularly and clean or replace it as needed, especially in dusty conditions.
- **Spark Plug:** Inspect the spark plug annually or every 100 hours. Clean or replace if necessary.
- **Fuel Filter:** Check and clean the fuel filter periodically.
- **General Cleaning:** Keep the generator clean and free of debris. Use a damp cloth to wipe down exterior surfaces.

8. Troubleshooting

This section provides solutions to common operational issues. For problems not listed here, please contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Choke not set correctly; Spark plug issue	Add fuel; Add oil to correct level; Adjust choke; Inspect/replace spark plug
No power output	Overload; ECO mode engaged with high load; Circuit breaker tripped	Reduce load; Disengage ECO mode for high loads; Reset circuit breaker
Engine runs, then stops	Low oil shutdown; CO sensor activated; Out of fuel	Check/add oil; Move generator to well-ventilated area; Add fuel
Excessive noise	ECO mode off; Loose components	Engage ECO mode for lighter loads; Check for loose parts and tighten

9. Technical Specifications

Specification	Value
Brand	EFURDEN
Model Name	EDOG01
Starting Wattage	2500 Watts
Running Wattage	1800 Watts
Output Wattage	1800
Power Source	Fuel Powered
Engine Power Maximum	2500 Watts
Item Weight	39 Pounds
Product Dimensions	17.1"L x 10"W x 16.9"H
Recommended Uses	Camping

Specification	Value
Special Features	Automatic Shut Down, CO Sensor, Cold Start Technology, Low Oil Shutdown, USB Port
Included Components	2500W Generator

10. Warranty and Customer Support

The Efurden 2500-Watt Inverter Generator comes with a**1-Year Warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical assistance, or any questions regarding your generator, please contact EFURDEN customer support. Refer to the product packaging or the official EFURDEN website for the most current contact information.

Please retain your proof of purchase for warranty purposes.

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

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