

## GENERGY 13025

# GENERGY Generator Inverter 4T RODAS 3800W User Manual

Model: 13025

## 1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your GENERGY Generator Inverter 4T RODAS 3800W. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The GENERGY RODAS 3800W is a powerful and reliable inverter generator designed for various applications, including camping, commercial use, and residential backup power. Its 4-stroke engine and inverter technology provide stable and clean power output.

## 2. SAFETY INSTRUCTIONS

Your safety and the safety of others are very important. Always observe the following safety precautions when operating this generator.

- **Read the Manual:** Always read and understand the entire instruction manual before operating the generator.
- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operate the generator outdoors in a well-ventilated area, far away from windows, doors, and vents. Never operate indoors or in enclosed spaces.
- **Fire Hazard:** Fuel is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke or allow open flames near the generator. Store fuel in approved containers.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and properly grounded. Do not overload the generator.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for a period after shutdown. Avoid contact with hot surfaces.
- **Children and Pets:** Keep children and pets away from the generator during operation.
- **Proper Grounding:** Always ensure the generator is properly grounded before use to prevent electrical shock.

## 3. COMPONENTS OVERVIEW

Familiarize yourself with the main components of your GENERGY RODAS 3800W Inverter Generator.



**Figure 3.1:** Front view of the GENERGY Generator Inverter 4T RODAS 3800W. This image shows the main body of the generator, including the engine housing, control panel with outlets, and the sturdy frame. The orange and black color scheme is visible.

- **Control Panel:** Contains power outlets, circuit breakers, engine switch, and indicator lights.
- **Fuel Tank Cap:** For adding gasoline.
- **Engine:** The 4-stroke engine that powers the generator.
- **Muffler:** Reduces engine noise and directs exhaust gases.
- **Air Filter Cover:** Protects the air filter.
- **Oil Fill Cap/Dipstick:** For checking and adding engine oil.
- **Recoil Starter:** For manual starting of the engine.

## 4. SETUP

---

### 4.1 Unpacking and Inspection

1. Carefully remove the generator from its packaging.
2. Inspect the generator for any shipping damage. If damaged, contact your dealer immediately.
3. Ensure all included components are present: Generator Inverter 4T RODAS 3800W.

### 4.2 Placement

- Place the generator on a firm, level surface.
- Ensure adequate ventilation. Operate outdoors only, at least 20 feet (6 meters) away from any building or structure.
- Keep the generator away from flammable materials, sparks, and open flames.

### 4.3 Adding Engine Oil

- The generator is shipped without engine oil. You must add oil before first use.
- Place the generator on a level surface.

- Remove the oil fill cap/dipstick.
- Carefully pour the recommended engine oil (refer to specifications for type and capacity) into the oil fill opening until it reaches the upper mark on the dipstick. Do not overfill.
- Securely replace the oil fill cap/dipstick.

## 4.4 Adding Fuel (Gasoline)

- Ensure the engine is off and cool before refueling.
- Use fresh, unleaded gasoline with an octane rating of 87 or higher.
- Clean the area around the fuel cap before opening to prevent dirt from entering the tank.
- Slowly add fuel to the tank, being careful not to overfill. Leave a small air gap to allow for fuel expansion.
- Securely replace the fuel cap. Wipe up any spilled fuel immediately.

# 5. OPERATING

---

## 5.1 Starting the Engine

1. Ensure the generator is on a level surface and all safety precautions are observed.
2. Turn the engine switch to the "ON" position.
3. If the engine is cold, move the choke lever to the "CHOKE" position.
4. Pull the recoil starter handle slowly until resistance is felt, then pull quickly and firmly.
5. Once the engine starts, slowly move the choke lever to the "RUN" position.
6. Allow the engine to warm up for a few minutes before connecting electrical loads.

## 5.2 Connecting Electrical Loads

- Ensure the generator is running stably.
- Plug in your appliances or extension cords into the appropriate outlets on the control panel.
- Do not exceed the generator's rated wattage (3800W). Overloading can damage the generator and connected devices.
- Always use properly rated extension cords.

## 5.3 Stopping the Engine

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 (if applicable).

# 6. MAINTENANCE

---

Regular maintenance is crucial for the longevity and optimal performance of your generator.

## 6.1 Maintenance Schedule

Item	Frequency
------	-----------

Item	Frequency
Check Engine Oil Level	Before each use
Clean Air Filter	Every 50 hours or monthly
Change Engine Oil	First 20 hours, then every 100 hours or 6 months
Check Spark Plug	Every 100 hours or 6 months
Inspect Fuel Filter	Annually or every 300 hours

## 6.2 Storage

- For long-term storage, drain the fuel tank and carburetor. Run the engine until it stops from lack of fuel.
- Change the engine oil.
- Clean the generator thoroughly.
- Store in a clean, dry, well-ventilated area, away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine will not start	No fuel Low oil level Engine switch OFF Choke not set correctly	Add fresh fuel Add engine oil to correct level Turn engine switch to ON Adjust choke lever
No power output	Circuit breaker tripped Overload Faulty connection	Reset circuit breaker Reduce connected load Check all connections
Engine runs rough	Stale fuel Dirty air filter Spark plug issue	Drain and replace with fresh fuel Clean or replace air filter Inspect and clean/replace spark plug

## 8. SPECIFICATIONS

Detailed technical specifications for the GENERGY Generator Inverter 4T RODAS 3800W.



**Figure 8.1:** Dimensions of the GENERGY Generator Inverter 4T RODAS 3800W. The image indicates a length of 53cm, width of 35cm, and height of 49cm.

Specification	Value
Brand	GENERGY
Model Number	13025
Product Dimensions	53 x 35 x 49 cm
Weight	34 kg
Voltage	230 Volt
Wattage (Output Power)	3800 Watt
Fuel Type	Gasoline
Engine Type	4-stroke motor

Specification	Value
Special Features	Inverter technology
Recommended Applications	Camping, Commercial, Residential

## 9. WARRANTY AND SUPPORT

---

For information regarding warranty coverage, please refer to the warranty card included with your product or contact the retailer where the product was purchased.

For technical support, spare parts, or service inquiries, please contact GENERGY customer service or your authorized dealer. Contact details can typically be found on the manufacturer's official website or on your purchase receipt.

