

EBERTH GG1-IS2000

EBERTH Inverter Generator 2000W (Model GG1-IS2000) User Manual

Your guide to safe and efficient operation

1. INTRODUCTION

Thank you for choosing the EBERTH Inverter Generator 2000W. This manual provides essential information for the safe and effective use of your generator. Please read it thoroughly before operating the device and keep it for future reference. This generator is designed to provide reliable power for various applications, including camping, job sites, and as an emergency power source.

2. SAFETY INFORMATION

Always prioritize safety when operating the generator. Failure to follow these instructions can result in serious injury or property damage.

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in enclosed spaces. Exhaust fumes contain carbon monoxide, a colorless, odorless, and deadly gas.
- **Fire Hazard:** Gasoline 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.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all connections are secure and dry. Never touch electrical components with wet hands.
- **Hot Surfaces:** The generator 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.
- **Low Oil Shutdown:** The generator is equipped with a low oil shutdown system to protect the engine. Do not bypass this safety feature.

3. PRODUCT OVERVIEW

The EBERTH Inverter Generator 2000W is a compact and powerful unit designed for portability and clean power delivery.

Key Features:

- **Engine:** 3 HP / 2.2 kW, air-cooled, 1-cylinder, 4-stroke gasoline engine with 79.8 cc displacement.
- **Power Output:** 2000 watts continuous, 2050 watts maximum.
- **Inverter Technology:** Provides stable, clean power suitable for sensitive electronics.
- **Outlets:** Two 230V AC outlets and two 12V USB ports.
- **Modes:** ECO mode for fuel efficiency and MAX mode for full power.
- **Safety:** Overload switch and low oil shutdown protection.
- **Portability:** Robust casing with an integrated carrying handle.

Components:



Overall view of the EBERTH Inverter Generator 2000W.



Close-up of the generator's control panel with outlets and switches.



Included accessories: spark plug wrench, funnel, and power plugs.

4. SETUP

Before first use, the generator requires initial setup, including adding engine oil and fuel.

4.1 Add Engine Oil

The generator is shipped without engine oil. Fill the crankcase with the recommended oil type (e.g., SAE 10W-30) to the appropriate level. Refer to the oil cap/dipstick for markings.



A hand checking the oil level of the generator engine.

4.2 Add Fuel

Fill the fuel tank with Super or Super Plus gasoline. The fuel tank capacity is 4 liters. Do not overfill. Ensure the fuel cap is securely tightened after refueling.



A person carefully refueling the generator with gasoline using a funnel.

4.3 Placement

Place the generator on a firm, level surface outdoors, away from windows, doors, and vents to prevent carbon monoxide from entering occupied areas. Ensure adequate clearance around the generator for ventilation.

5. OPERATION

Follow these steps to start and operate your EBERTH Inverter Generator.

5.1 Starting the Generator

1. Ensure the generator is on a level surface and has sufficient oil and fuel.
2. Turn the fuel valve to the 'ON' position.
3. Move the choke lever to the 'CHOKE' position (if the engine is cold).
4. Turn the engine switch to the 'ON' position.
5. Pull the recoil starter handle firmly until the engine starts.
6. Once the engine starts, gradually move the choke lever to the 'RUN' position.



A hand operating the 'ON' switch on the generator's control panel.

5.2 Connecting Electrical Devices

Once the generator is running, you can connect your electrical devices.

- Plug your 230V devices into the AC outlets.
- Plug your USB devices into the 12V USB ports.
- Ensure the total wattage of connected devices does not exceed the generator's continuous output of 2000W. The overload indicator will illuminate if overloaded.



A hand connecting a power plug into one of the 230V outlets on the generator.



The generator providing power to charge a smartphone via its USB port.

5.3 ECO and MAX Modes

- **ECO Mode:** Reduces engine speed when the load is low, improving fuel efficiency and reducing noise. Ideal for light loads.
- **MAX Mode:** Operates the engine at full speed to provide maximum power output. Use for heavy loads or when starting high-demand appliances.

5.4 Shutting Down the Generator

1. Disconnect all electrical devices from the generator.
2. Turn the engine switch to the 'OFF' position.

3. Turn the fuel valve to the 'OFF' position.

6. MAINTENANCE

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

6.1 Fueling

The generator operates for approximately 5 to 6 hours on a full 4-liter tank, depending on the load. Always use fresh Super or Super Plus gasoline.

6.2 Oil Check and Change

Check the 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.

6.3 Air Filter Maintenance

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



A hand removing the air filter for inspection or cleaning.

6.4 Spark Plug

Inspect the spark plug annually or every 100 hours. Clean or replace if necessary to ensure easy starting and efficient engine operation.

7. TROUBLESHOOTING

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

Problem	Possible Cause	Solution
Engine does not start	No fuel, low oil, choke incorrect, engine switch off, spark plug issue	Add fuel, check oil level, adjust choke, turn engine switch ON, inspect/clean spark plug
No power output	Overload switch tripped, device faulty, generator not running correctly	Reduce load, reset overload switch, check device, ensure stable engine operation
Engine runs rough	Dirty air filter, stale fuel, spark plug issue	Clean/replace air filter, drain old fuel and add fresh, inspect/clean spark plug
Overload indicator on	Too many devices connected, short circuit in connected device	Reduce electrical load, check connected devices for faults, restart generator

8. SPECIFICATIONS

Detailed technical specifications for the EBERTH Inverter Generator 2000W.

Feature	Specification
Model Number	GG1-IS2000
Engine Type	4-stroke, 1-cylinder, air-cooled gasoline engine
Engine Power	3 HP / 2.2 kW
Displacement	79.8 cc
Continuous Power Output	2000 Watts
Maximum Power Output	2050 Watts
Voltage	230 Volts
Frequency	50 Hz
AC Outlets	2 x 230V
USB Ports	2 x 12V
Fuel Type	Super or Super Plus Gasoline
Fuel Tank Capacity	4 Liters
Run Time (full tank)	5-6 hours (load dependent)
Ignition System	Mechanical (recoil start)
Noise Level (at 7m)	Approx. 69 dB
Dimensions (L x W x H)	42 cm x 31 cm x 46 cm
Weight (without consumables)	20 kg

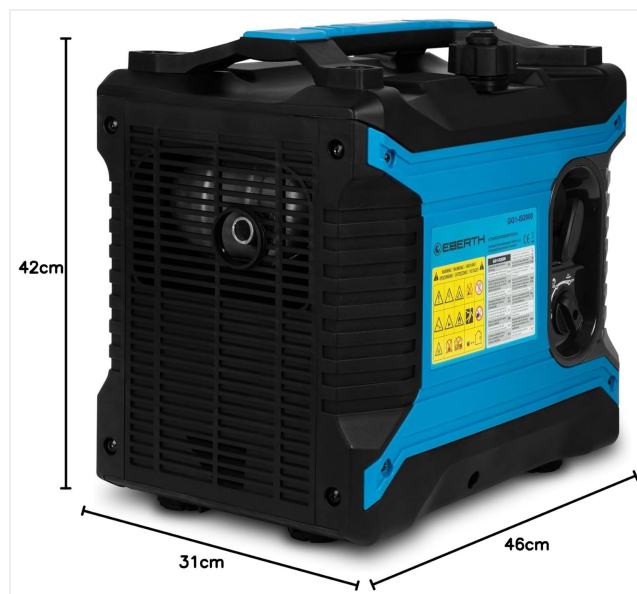


Diagram showing the dimensions of the EBERTH Inverter Generator.

9. WARRANTY AND SUPPORT

EBERTH is committed to providing quality products and support.

Repair Service: EBERTH offers repair services in Germany. Defective devices are repaired quickly and reliably at our return warehouse with a workshop, then returned to the customer free of charge. For service inquiries, please contact your retailer or EBERTH customer support directly.

Please retain your proof of purchase for warranty claims.