

Scheppach SG2000

Scheppach SG2000 Inverter Power Generator User Manual

Model: SG2000

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Scheppach SG2000 Inverter Power Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The Scheppach SG2000 is a compact and portable inverter generator designed to deliver stable electrical power. Its inverter technology produces a clean sine wave, making it safe for sensitive electronic devices such as computers, televisions, and smartphones. It is suitable for various applications including camping, outdoor events, and as an emergency power source.

2. SAFETY INSTRUCTIONS

WARNING: Failure to follow these safety instructions can result in serious injury, death, or property damage.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operate the generator outdoors only, far away from windows, doors, and vents. Never operate indoors, in a garage, or in any enclosed space.
- **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 or fuel. Store fuel in approved containers.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are dry and secure. 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.
- **Ventilation:** Ensure adequate ventilation around the generator to prevent overheating.
- **Grounding:** Always properly ground the generator according to local electrical codes.

3. PRODUCT COMPONENTS AND FEATURES

Familiarize yourself with the main components of your SG2000 generator:

- **Engine:** Air-cooled, single-cylinder, 4-stroke petrol engine (105.6 cm³, 2.86 hp).
- **Fuel Tank:** 3.2-liter capacity for unleaded gasoline.
- **Control Panel:** Includes outlets, indicators, and switches.
- **AC Outlets:** Two 230V AC outlets with overload protection.
- **DC Outlet:** One 12V DC outlet for battery charging.
- **Pull Starter:** Manual recoil starter for engine ignition.
- **Oil Guard:** Automatically shuts down the engine if oil level is too low.
- **Carry Handles:** Integrated handles for easy transport.
- **Rubber Feet:** Provides stability and reduces vibration.



Figure 1: Front panel of the Scheppach SG2000 Inverter Power Generator, showing the two 230V AC outlets, one 12V DC outlet, power switch, overload indicator, and low oil alarm.



Figure 2: A person demonstrating the portability of the Scheppach SG2000 Inverter Power Generator, highlighting its compact design and integrated carry handle.

4. SETUP

Before first use, perform the following steps:

1. **Unpacking:** Carefully remove the generator from its packaging. Inspect for any shipping damage.
2. **Add Engine Oil:** The generator is shipped without engine oil. Remove the oil filler cap/dipstick and add the recommended amount of 4-stroke engine oil (refer to specifications for type and capacity). Do not overfill. Securely replace the cap.
3. **Add Fuel:** Fill the fuel tank with fresh, unleaded gasoline. Do not use old or contaminated fuel. Do not overfill.

the tank; leave space for fuel expansion. Ensure the fuel cap is securely tightened.

4. **Positioning:** Place the generator on a firm, level surface outdoors, in a well-ventilated area, away from combustible materials and at least 1 meter (3 feet) from buildings or other equipment.

5. OPERATING INSTRUCTIONS

5.1 Starting the Engine

1. Ensure the generator is on a level surface and all electrical loads are disconnected.
2. Turn the fuel valve to the "ON" position.
3. Move the choke lever to the "CHOKE" position (for cold starts).
4. Turn the engine switch to the "ON" position.
5. Grasp the recoil starter handle firmly and pull it slowly until resistance is felt, then pull quickly and smoothly. Repeat until the engine starts.
6. Once the engine starts, gradually move the choke lever to the "RUN" position.

5.2 Connecting Electrical Devices

- Allow the engine to run for a few minutes to stabilize.
- Plug in your electrical devices to the 230V AC outlets or use the 12V DC outlet for battery charging.
- Do not exceed the generator's rated wattage (1600W continuous, 2000W peak). Overloading will activate the overload protection, shutting off power to the outlets.

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.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your generator. Always perform maintenance with the engine off and cool.

- **Engine Oil:** Check oil level before each use. Change oil after the first 20 hours of operation, then every 50-100 hours or annually.
- **Air Filter:** Clean the air filter every 50 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect the spark plug every 100 hours or annually. Clean or replace as needed.
- **Fuel System:** Drain the fuel tank and carburetor if storing the generator for more than 30 days to prevent fuel degradation.
- **General Cleaning:** Keep the generator clean and free of dirt and debris.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel Low engine oil Engine switch OFF Choke incorrect Spark plug issue	Add fresh fuel Add engine oil Turn engine switch ON Adjust choke Inspect/replace spark plug
No power output	Overload protection tripped Device faulty Loose connection	Reduce load, reset overload switch Check device Secure connections
Engine stops during operation	Out of fuel Low engine oil (oil guard) Overheating Overload	Refuel Add engine oil Allow to cool, ensure ventilation Reduce load

If problems persist after attempting these solutions, please contact Scheppach customer support.

8. SPECIFICATIONS

Feature	Detail
Model	SG2000
Manufacturer	Scheppach
Engine Type	105.6 cm³ 4-Stroke, Air-cooled
Horsepower	2.86 HP
Max. Output Power	2000 Watts
Rated Output Power	1600 Watts
Voltage	230 Volts AC, 12 Volts DC
AC Outlets	2 x 230V
DC Outlet	1 x 12V
Fuel Type	Unleaded Gasoline
Fuel Tank Capacity	3.2 Liters
Operating Time (at ½ load)	Approx. 4.2 hours
Dimensions (L x W x H)	51 x 29.5 x 44 cm
Weight	20 kg
Special Features	Inverter Technology, Automatic Tension Regulation, Oil Guard, Overload Protection

9. WARRANTY AND SUPPORT

For warranty claims, technical assistance, or spare parts, please contact your authorized Scheppach dealer or visit the official Scheppach website. Retain your proof of purchase for all warranty-related inquiries.