

## Scheppach SG2500i

# Scheppach SG2500i Inverter Generator User Manual

Model: SG2500i | Brand: Scheppach

## 1. INTRODUCTION

Thank you for choosing the Scheppach SG2500i Inverter Generator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new generator. Please read this manual thoroughly before first use and keep it for future reference. The SG2500i is a compact and powerful inverter generator designed to provide clean and stable power for sensitive electronics, power tools, and various outdoor applications.



Image: The Scheppach SG2500i Inverter Generator, a compact blue and black unit with its control panel visible.

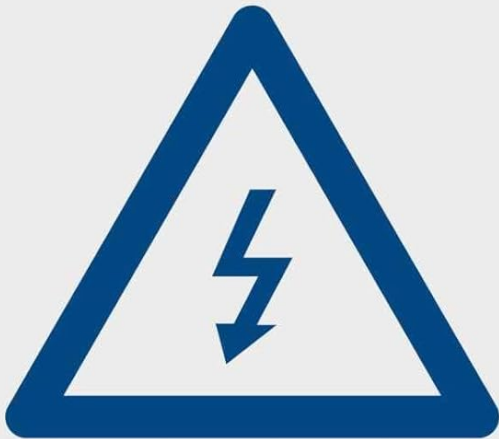
## 2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the generator:

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in poorly ventilated areas. Exhaust fumes contain carbon monoxide, a colorless, odorless, and deadly gas.
- **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.

- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and dry. Do not overload the generator.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact.
- **Children and Pets:** Keep children and pets away from the generator, especially during operation.
- **Overload Protection:** The generator is equipped with overload protection. Do not exceed the rated wattage.

## Überlastungsschutz



## Spritsparend



## Leichtgewicht



## Transportabel



Image: Icons illustrating key features: overload protection (a warning triangle with a lightning bolt), fuel efficiency (a gas pump), lightweight design (a feather), and portability (a carrying case).

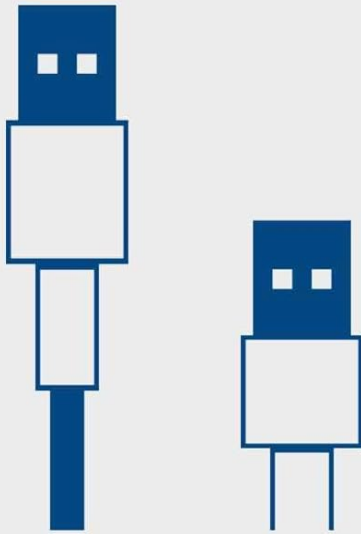
### 3. PRODUCT OVERVIEW AND APPLICATIONS

The Scheppach SG2500i features a user-friendly design with essential components for power generation and output, suitable for a variety of applications.

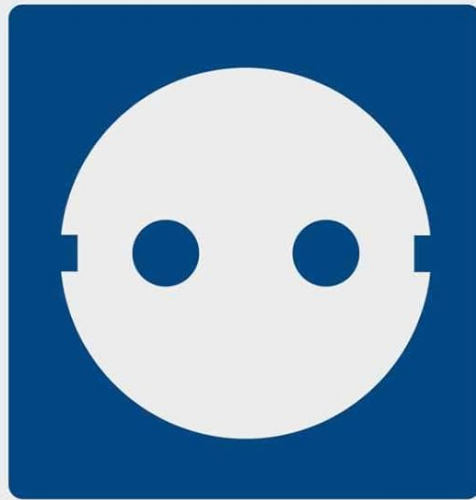
#### Key Features:

- **2000W Max Power:** Provides up to 2000 Watts, suitable for sensitive electronics and power tools.
- **Versatile Outlets:** Equipped with two 230V AC outlets and two 2.1A USB ports for charging various devices.
- **Efficient Engine:** Features a 79 cm<sup>3</sup> 4-stroke, air-cooled gasoline engine with a reliable pull starter.
- **Portable Design:** Compact and lightweight, housed in a shock-resistant plastic case with an integrated carrying handle.
- **Inverter Technology:** Delivers a clean sine wave, making it safe for sensitive electronic devices like laptops and smartphones.
- **Quiet Operation:** Operates at a low noise level of 64.1 dB, significantly quieter than many conventional generators.

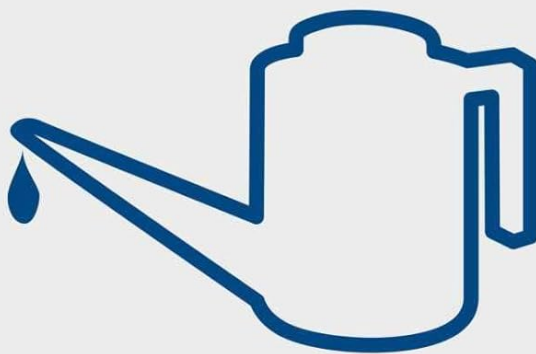
### 2x USB Anschluss



### 2 x 230 V Steckdose



### Ölwarnanzeige



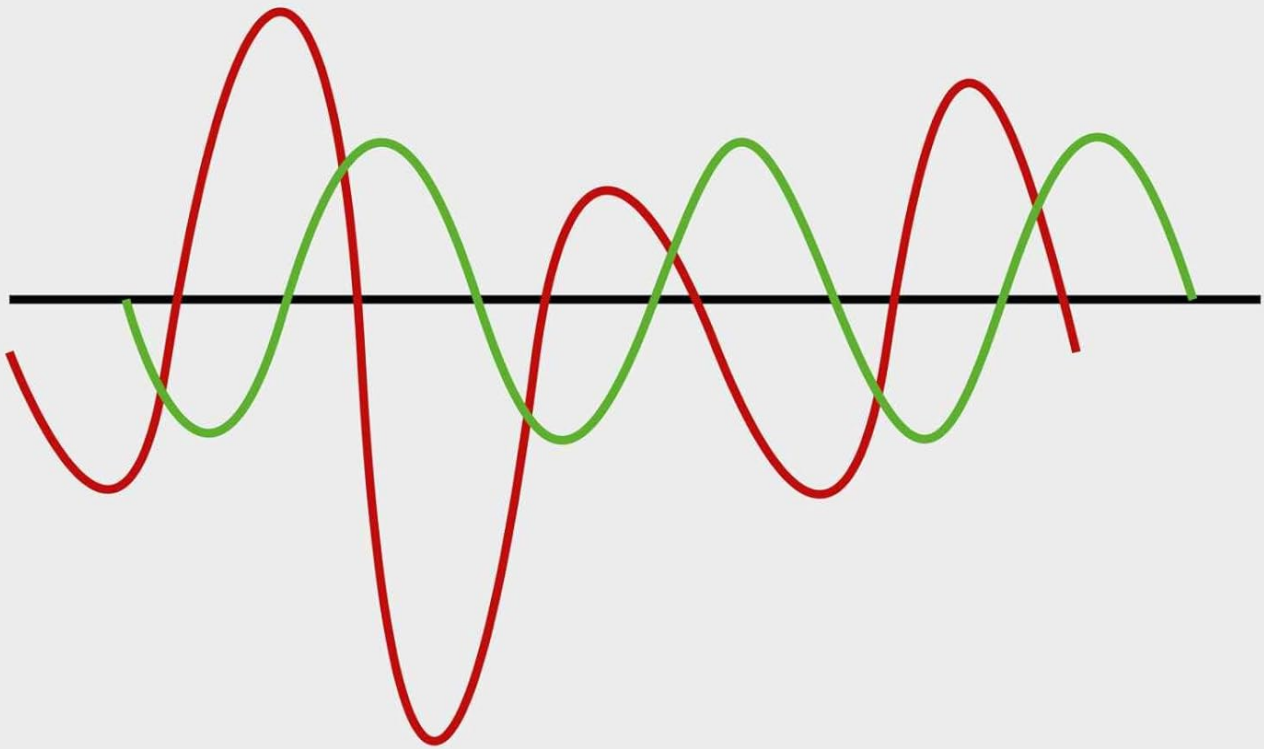
### Energiesparschalter



Image: A graphic detailing the generator's control panel, showing two USB ports, two 230V sockets, an oil warning indicator, and an ECO mode switch.

Spannungsregelsystem Inverter: Saubere Sinuskurve, für sensible Elektronikgeräte geeignet.

SG2500i



herkömmliche Hersteller

Image: A graph illustrating the clean sine wave output of the SG2500i (green line) compared to the irregular waveform of a conventional generator (red line), emphasizing its suitability for sensitive electronics.

### Typical Applications:

The SG2500i is ideal for providing self-sufficient power in various settings:

- **Outdoor Activities:** Perfect for camping, tents, and powering equipment in garden houses.
- **Home Backup:** Can power essential appliances like heating systems and refrigerators during outages.
- **Events & Work Sites:** Suitable for small events or providing power on construction sites.
- **Sensitive Electronics:** Safely charge laptops, mobile phones, and other delicate devices.



Image: Icons depicting suitable applications: camping/tents, garden house, heating system, and refrigerator.



Image: Icons depicting suitable applications: events, construction sites, laptops, and mobile phones.

## 4. SETUP

Before operating your generator, proper setup is crucial for safety and performance.

### 4.1 Adding Engine Oil:

1. Place the generator on a level surface.
2. Locate the oil fill cap/dipstick.
3. Carefully add the recommended engine oil (refer to specifications for type and capacity) until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap.

### 4.2 Adding Fuel:

1. Ensure the generator is turned off and cool.
2. Move the generator to a well-ventilated outdoor area, away from ignition sources.
3. Unscrew the fuel cap.
4. Slowly pour fresh, unleaded gasoline into the fuel tank, avoiding spills. Do not fill to the very top; leave space for expansion.
5. Securely replace the fuel cap. Wipe up any spilled fuel immediately.

## 5. OPERATING INSTRUCTIONS

Follow these steps for safe and effective operation of your SG2500i generator.

### 5.1 Starting the Generator:



1. Ensure the generator is on a level surface outdoors.
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 and smoothly 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 generator to run for a few minutes to warm up.
- Plug your devices into the 230V AC outlets or the 2.1A USB ports.
- Ensure the total wattage of connected devices does not exceed the generator's maximum output (2000W).
- **ECO Mode:** For lighter loads, switch to ECO mode to reduce engine speed, save fuel, and lower noise levels. The generator will automatically adjust engine speed to match the load.



Image: The Scheppach SG2500i generator operating outdoors, connected to a laptop, demonstrating its use for portable power.



Image: The Scheppach SG2500i generator placed on green grass, ready for use, highlighting its outdoor application.

### 5.3 Stopping the Generator:

1. Disconnect all electrical devices from the generator.
2. Allow the generator 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 the longevity and optimal performance of your generator.

### 6.1 Engine Oil Check/Change:

- Check oil level before each use.
- Change oil after the first 20 hours of operation, then every 50 hours or annually.



6.2 Air Filter Cleaning:

- Inspect the air filter every 50 hours or more frequently in dusty conditions.
- Clean or replace as necessary.

6.3 Spark Plug Inspection:

- Inspect the spark plug every 100 hours or annually.
- Clean or replace if fouled or worn.

6.4 Storage:

- For long-term storage, drain the fuel tank and carburetor.
- Store in a clean, dry, and well-ventilated area.

7. TROUBLESHOOTING

Refer to this section for common issues and their solutions.

Problem	Possible Cause	Solution
Engine does not start	No fuel; Low oil level; Choke not set correctly; Spark plug issue	Add fuel; Add oil; Adjust choke; Inspect/replace spark plug
No power output	Overload; Circuit breaker tripped; ECO mode engaged with high load	Reduce load; Reset circuit breaker; Disengage ECO mode for higher loads
Engine runs rough	Stale fuel; Clogged air filter; Dirty spark plug	Drain and refill with fresh fuel; Clean/replace air filter; Clean/replace spark plug

8. SPECIFICATIONS

Detailed technical specifications for the Scheppach SG2500i Inverter Generator.

Attribute	Value
Model	SG2500i (SC-SG2500)
Manufacturer	Scheppach
Max Power Output	2000 Watts
Voltage	230 Volts
Engine Type	4-stroke, Air-cooled, Gasoline
Displacement	79 cm³
Horsepower	3 HP
Outlets	2 x 230V AC, 2 x 2.1A USB
Dimensions (L x W x H)	52 x 27 x 44 cm

Attribute	Value
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Weight	17 Kilograms
Noise Level	64.1 dB



Geringer Geräuschpegel von 64,1 dB, (66% leiser als herkömmliche Generatoren mit gleicher Leistung).

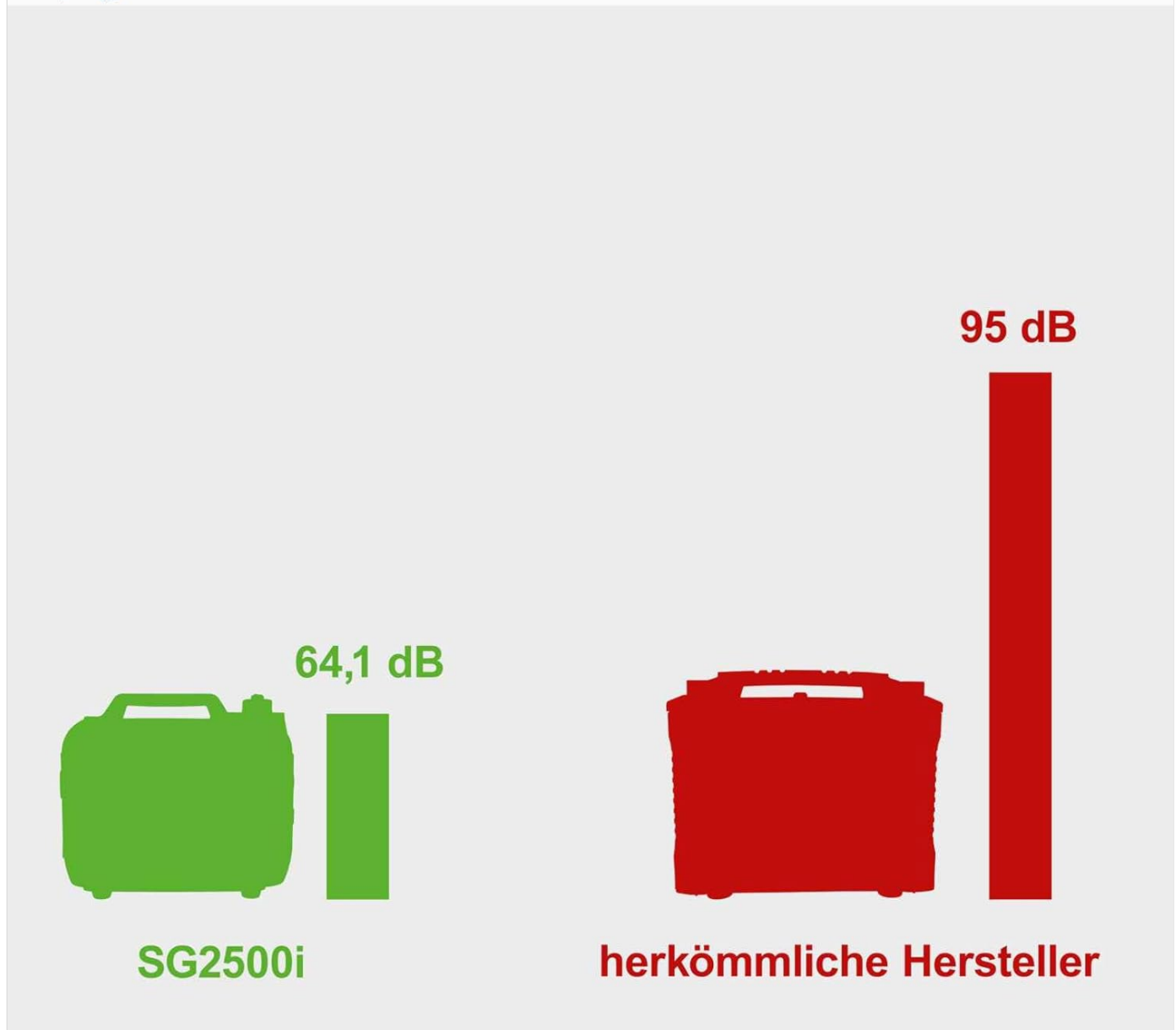


Image: A bar chart comparing the noise level of the SG2500i (64.1 dB) to conventional generators (95 dB), illustrating its quieter operation.

## 9. WARRANTY AND SUPPORT

For warranty information and technical support, please contact Scheppach customer service or visit their official website. Keep your purchase receipt as proof of purchase for warranty claims.

**Manufacturer:** Scheppach

**Website:** [www.scheppach.com](http://www.scheppach.com)

Related Documents - SG2500i

	<p><a href="#">Scheppach SG2500i Inverter Power Generator User Manual</a></p> <p>Comprehensive user manual for the Scheppach SG2500i inverter power generator, covering safety instructions, operation, maintenance, and technical specifications.</p>
	<p><a href="#">scheppach SG3400i Inverter Generator - Bedienungsanleitung</a></p> <p>Umfassende Bedienungsanleitung für den scheppach SG3400i Inverter Generator. Dieses Handbuch enthält detaillierte Informationen zur sicheren Bedienung, Wartung und Fehlerbehebung des Geräts.</p>
	<p><a href="#">Scheppach SG2000 Special Edition Inverter Generator User Manual</a></p> <p>Comprehensive user manual for the Scheppach SG2000 Special Edition inverter generator, providing operational guidance, safety information, and technical specifications. Includes multilingual support information and component descriptions.</p>
	<p><a href="#">scheppach SG2000 Inverter Stromerzeuger Bedienungsanleitung</a></p> <p>Diese Bedienungsanleitung enthält detaillierte Anweisungen und Sicherheitshinweise für den Betrieb und die Wartung des scheppach SG2000 Inverter Stromerzeugers.</p>



### [Scheppach WSE1100 Inverter Schweißgerät – Bedienungsanleitung](#)

Umfassende Bedienungsanleitung für das Scheppach WSE1100 Inverter Schweißgerät. Enthält Sicherheitshinweise, technische Daten und Anleitungen zur Handhabung und Wartung.



### [Scheppach SG3200 Stromgenerator Bedienungsanleitung](#)

Originalbedienungsanleitung für den Scheppach SG3200 Stromgenerator. Enthält wichtige Sicherheitshinweise, technische Daten und Wartungsanleitungen für den sicheren Betrieb.