NBS SF-2600F

NBS SF-2600F Inverter Generator User Manual

Model: SF-2600F

1. Introduction

Thank you for purchasing the NBS SF-2600F Inverter Generator. This generator is designed to provide a stable power supply, suitable for sensitive electronic equipment such as computers and televisions, making it ideal for outdoor activities, camping, and emergency power needs. Its compact and lightweight design, combined with a 2600W rated output, offers both portability and robust performance.

This product complies with the Electrical Appliance and Material Safety Act (PSE Mark), ensuring its safety and reliability as an electrical appliance.

2. Safety Precautions

- **Carbon Monoxide Hazard:** Never operate this generator indoors or in poorly ventilated areas. Exhaust fumes contain carbon monoxide, which is a colorless, odorless, and poisonous gas that can cause serious injury or death. Always use outdoors in a well-ventilated space.
- **Fuel Handling:** Gasoline is highly flammable. Always refuel in a well-ventilated area with the engine off and cooled. Do not smoke or use open flames near the generator. Gasoline is not included with the product; please purchase it separately.
- **Initial Battery Connection:** For safety during shipping, the battery coupler for the electric starter is disconnected. Before initial engine startup, remove the right-side panel (the side without the main control panel) and connect the battery coupler.
- **Hot Surfaces:** The engine and exhaust components become very hot during operation and remain hot for some time after shutdown. Avoid touching these areas to prevent burns.
- **Electrical Safety:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and dry.

3. Product Overview

3.1 Main Components

Familiarize yourself with the main parts of your SF-2600F generator:



Image: Main components of the SF-2600F Inverter Generator. This diagram shows the generator from two angles, highlighting key parts such as the handle, fuel cap, maintenance covers, fuel tank, control panel, carry handle, choke lever, air filter, oil filler port, gasoline hand pump, recoil starter handle, fuel cock, and battery replacement cover.

1. Handle
2. Fuel Cap / Fuel Strainer
3. Top Maintenance Cover
4. Fuel Tank (located inside the cover)
5. Control Panel
6. Carry Handle
7. Choke Lever
8. Side Maintenance Cover 1 / Air Filter (located inside the cover)
9. Oil Filler Port (located inside the cover)
10. Gasoline Hand Pump
11. Recoil Starter Handle
12. Fuel Cock
13. Side Maintenance Cover 2 (for Battery Replacement)

3.2 Control Panel

The control panel centralizes all operational controls and indicators for ease of use.

使用可能な例

屋台・屋外イベントなどに

電化製品名	消費電力(目安)
ハロゲン灯	400w-1000w
電球	10w-250w
モニター（液晶 32）	300w-700w
DVD プレーヤー	30w-70w
Blu-ray	30w-70w
ノート PC	50w-120w
キーボード	15w
電子ピアノ	150w-360w
コーヒーメーカー	130w-330w

アウトドアに

電化製品名	消費電力(目安)
ラジカセ	5w-30w
IPOD	5w
デジタルビデオカメラ	15w-20w
小型冷蔵庫	54w-70w

災害時に

電化製品名	消費電力(目安)
ハロゲンヒーター	500w-900w
携帯電話（充電）	15w
扇風機	50w-60w
電気毛布	50w-90w
電気スタンド（LED）	4w-10w
電気スタンド（蛍光灯）	20w-24w
電気スタンド（白熱灯）	60w
電気ポット	600w
電子レンジ	1300w
電磁調理器	1300w

DIYなど(電気のない所での作業に)

電化製品名	消費電力(目安)
電気ドリル	450w-700w
電気カンナ	320w-460w
電気サンダー	130w-330w
電気マルノコ	1000w
高圧洗浄機	1100w
ポリシャー	240w-530w
ハンダコテ	30w-100w
インパクトレンチ	360w
ジグソー	380w-500w
エアーコンプレッサー	1000w-1200w

異なるワット数もございますのでご確認ください。

Image: Detailed view of the SF-2600F Inverter Generator control panel. This image labels the various indicators, switches, and outlets, including warning lamps, breakers, the engine switch, and power outlets.

1. Overload Warning Lamp: Illuminates if the generator is overloaded.
2. Output Lamp: Illuminates when power output is available.
3. Oil Warning Lamp: Illuminates when engine oil level is low.
4. DC Breaker: Protects the DC output circuit from overload.
5. Engine Switch: Used to start and stop the engine.
6. AC Breaker: Protects the AC output circuit from overload.
7. Single Phase 100V Outlet (20A): For connecting AC electrical appliances.
8. Frequency Switching Switch: Selects between 50Hz and 60Hz output.
9. Eco Mode Switch: Activates or deactivates Eco Mode for fuel efficiency.

10. DC Outlet (12V 8.3A): For connecting DC electrical appliances or charging 12V batteries.
11. Earth Terminal: For grounding the generator.

4. Setup

Before operating the generator for the first time, perform the following setup steps:

1. **Connect Battery Coupler:** As a safety measure, the battery coupler for the electric starter is disconnected upon delivery. Locate the right-side panel (opposite the main control panel), remove it, and securely connect the battery coupler.
2. **Add Engine Oil:** The generator is shipped without engine oil. Fill the engine with 0.45 liters of recommended 4-cycle engine oil (SAE 10W-40). Use the provided oil funnel. Do not overfill.
3. **Add Fuel:** Fill the fuel tank with unleaded regular gasoline. The tank capacity is 7 liters. Do not overfill and ensure the fuel cap is securely closed.
4. **Grounding:** For safety, connect a grounding wire to the earth terminal and a suitable ground source.

5. Operating Instructions

5.1 Starting the Engine

Follow these steps to start the generator:



Image: A series of four images illustrating the preparation steps for starting the generator, including turning the fuel cap and fuel cock to ON, setting the Eco mode switch to OFF, and adjusting the choke lever.

1. Turn the fuel cap knob to the **ON** position.
2. Turn the fuel cock knob to the **ON** position.
3. Set the Eco mode switch to **OFF**.
4. Align the choke lever to the arrow position (choke ON).
5. Turn the engine switch to the **RUN** position.



Image: Two images demonstrating the starting methods: pulling the recoil starter handle and turning the engine switch to the 'Start' position. A third image shows the generator running with the output lamp illuminated and the choke lever in the run position.

Choose one of the following starting methods:

- **Recoil Starter:** Pull the recoil starter handle vigorously until the engine starts.
- **Electric Starter:** Turn the engine switch to the**START** position and hold until the engine starts.

Once the engine starts and the green output lamp illuminates, return the choke lever to the run position. You can now connect your electrical equipment to the outlets.

5.2 Stopping the Engine

To stop the generator, follow these steps:

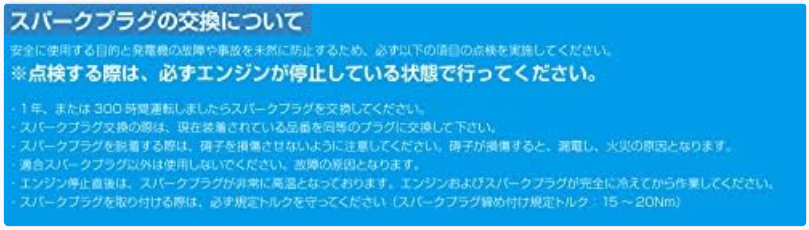


Image: Three images illustrating the stopping procedure for the generator, including turning the engine switch to 'Stop', and turning the fuel cock and fuel cap knobs to OFF.

1. Turn the engine switch to the**STOP** position.
2. Turn the fuel cock knob to the**OFF** position.
3. Turn the fuel cap knob to the**OFF** position.

5.3 Eco Mode

The Eco Mode feature automatically adjusts the engine speed according to the electrical load. This reduces fuel consumption and operating noise when less power is required, extending the continuous operation time.

5.4 Frequency Switching (50Hz/60Hz)

The generator is equipped with a frequency switching switch, allowing you to select between 50Hz and 60Hz output to match the requirements of your electrical appliances. Ensure the correct frequency is selected before connecting devices.

6. Maintenance

Regular maintenance ensures the longevity and safe operation of your generator.

6.1 Engine Oil

- **Oil Alert System:** The generator features an oil warning lamp that illuminates when the engine oil level is low. If the oil level drops below a safe operating level, the engine will automatically stop to prevent damage.

- **Oil Changes:** Refer to the maintenance schedule in the full instruction manual for recommended oil change intervals. Always use 4-cycle engine oil with a recommended viscosity of SAE 10W-40.
- **Oil Drain:** Use the provided oil drain adapter for clean oil changes.

6.2 Spark Plug

The generator is equipped with a reliable NGK spark plug, ensuring stable starting performance even in cold conditions.

- **Replacement Interval:** Replace the spark plug after 1 year or 300 hours of operation, whichever comes first.
- **Replacement Type:** Always replace with a spark plug of the same type as currently installed.
- **Installation:** When installing a new spark plug, be careful not to damage the electrodes. Damaged electrodes can lead to electric shock or fire. Ensure the engine and spark plug have completely cooled before performing any work.
- **Tightening Torque:** When installing the spark plug, always observe the specified tightening torque of 15-20 Nm.

6.3 Storage

To maintain the generator's condition during periods of non-use, it is recommended to start the engine approximately once a month.

7. Troubleshooting

If you encounter issues with your generator, consider the following common points:

- **Engine Not Starting:** Check fuel level, engine oil level, spark plug condition, and ensure the battery coupler is connected (for electric start). Verify the choke lever and fuel cock are in the correct positions.
- **No Power Output:** Check if the output lamp is illuminated. Ensure the AC/DC breakers are not tripped. Verify the generator is not overloaded.
- **Overload Warning Lamp On:** Reduce the total wattage of connected appliances. The generator will automatically stop if overloaded.
- **Oil Warning Lamp On:** Check and refill engine oil to the recommended level.

For more detailed troubleshooting, please refer to the comprehensive instruction manual included with your product or contact customer support.

8. Specifications

Feature	Specification
Model Name	SF-2600F
Rated AC Output	100V 2600W
Rated DC Output	12V 8.3A
Continuous Operation Time (Eco Mode)	6 hours
Fuel Tank Capacity	7 Liters
Dimensions (L x W x H)	620 x 370 x 540 mm
Dry Weight	Approx. 33 kg

Feature	Specification
Noise Level	60 dB
Engine Oil Capacity	0.45 Liters
Recommended Engine Oil	4-cycle engine oil, SAE 10W-40
Fuel Type	Unleaded Regular Gasoline
Engine Type	Inverter
Color	Blue

9. Warranty and Support

The NBS SF-2600F Inverter Generator comes with a 1-year warranty from the date of purchase. In the event of a malfunction of the generator unit that prevents normal operation under standard use, exchange or repair services will be provided.

For warranty claims, technical support, or inquiries, please refer to the contact information provided in your warranty card or the full instruction manual.

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Question

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

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question