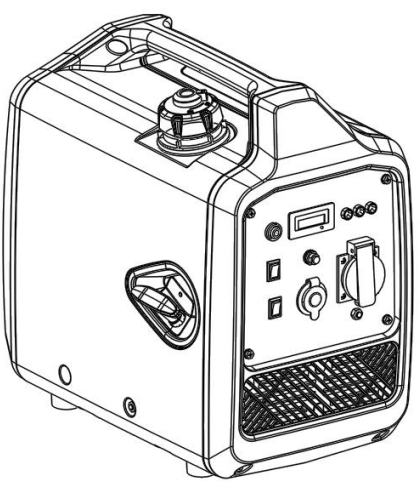
SIOKIUU

INVERTER GENERATOR
Owner's Manual
S1600iS



Please read and save this manual.



⚠WARNING

- Be sure to read the manual before using, otherwise the wrong operation will lead to safety risks or equipment damage. As long as follow the operation of this manual book, the company's inverter generator is safe and reliable.

Safety Warning

- The personal and property safety of you and others is very important. Please read carefully the extremely important safety warnings we have written in the manual and the label of the generator set.
- Safety warnings can alert you to potential dangers that may harm you and others.
- There are one of these three symbols: “Danger”, “Warning”, “Caution” in front of safety warning. Details as below:

⚠DANGER

If you do not follow the instructions, your life will be in danger or you will be seriously injured.

⚠WARNING

If you do not follow the instructions, your life could be in danger or you will be seriously injured.

⚠CAUTION

If you do not follow the instructions, you will be slightly injured.

If you do not follow the instructions, your generator set and other property may be damaged

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To ensure personal and property safety, please read the following content carefully.

1. Safety Information

- Before use, add gasoline to the red ring in the tank!
- Check the oil level before use!



TOXIC FUMES

- The engine tail gas contains carbon monoxide, and it is strictly prohibited to run the generator at the place where the indoor or the ventilation is not good.
- Ensure that adequate ventilation is provided while the generator is in operation.
- The muffler is hot when the generator is running and just stopping. Be careful not to touch it.



FIRE

- Under certain circumstances, gasoline and LPG(if equipped) is extremely flammable and explosive.
- Be sure to add gasoline in a well-ventilated place. Turn off the engine and let it cool before filling.
- When refuelling, keep away from the open fire.

- If there is oil spill while refuelling, wipe the spilled gasoline immediately.
- Use in places with high fire risk should be prohibited.





ELECTRICAL SHOCK

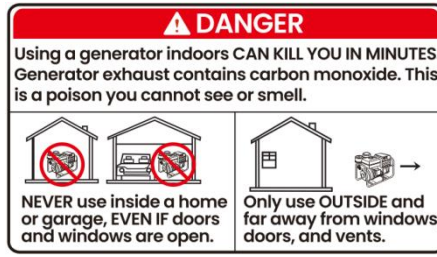
- Do not connect the generator to building ' s electrical system, or it may cause people to die from electric shock when they come into contact with the wire; damage the generator or damage the home appliance.
- This generator produces powerful voltage and the electricity CAN KILL YOU.
- This generator must be properly connected to an appropriate ground to help prevent electric shock. Failure to properly ground generator can result in electrocution, especially if the generator is equipped with a wheel kit. Consult an electrician for local grounding requirements.
- Installation should be performed by a certified electrician. Improper installation can result in electrical shock and death.
- The portable generator stator winding is isolated from the frame and from the AC receptacle ground pin;and
- Electrical devices that require a connection between one conductor pin and the grounded receptacle pin may not function properly.



⚠WARNING

HOT SURFACE

- Running engines generators produce heat. Severe burns can occur on contact.
- DO NOT touch generator while operating or just after stopping. Avoid contact with hot exhaust gases.
- Maintain at least three feet of clearance on all sides to ensure adequate cooling.
- Combustible material can catch fire on contact. Maintain at least five feet of clearance from combustible materials.
- Place the appliance on stable surfaces only.
- The load must not exceed the power marked on the rating label of the generator. Overloading may result in damage to, or a shorter life of the appliance.
- The motor must not be operated with excessive rotary speed. The operation of the motor with excessive rotary speed raises the risk of injury. Parts which affect the rotary speed must not modified or replaced.
- Do not operate or store the appliance in wet or humid surroundings or on highly conductive surfaces such as metal coatings or steel constructions.



DANGER

Poisonous gas!

- Engine exhaust gas is poisonous; don’ t operate in an unventilated room. When installed in ventilated room, additional requirement for fire and explosion protection shall be observed.

WARNING

- A pre-operation check must be performed before starting the engine to avoid accidents or equipment damage.
- Generators must operate at least one meter away from the building and other equipment.
- Please put the generator on the horizontal ground. If the generator is tilted, it may cause gasoline overflow.
- Be sure to master how to quickly shut off generators and understand the operation of all control components.
- Children and pets must stay away from the operating area.

While the engine is running, all personnel must be away from its rotating parts.

- If the operation is not proper, there is a potential danger to the generator. Do not operate the generator with a wet hand.
- Do not operate in the rain, snow, lest wet generator.
- Maintenance of generators should be by professionals only.

⚠WARNING

- It is strictly forbidden to use in an indoor or enclosed environment.
- Do not use in environments with explosion hazard.
- The operation and maintenance of equipment requires the use of personal protective equipment such as gloves, earmuffs, etc.
- These labels warn you of potential dangers that can cause serious casualties. Please read carefully the label contents described in this manual, as well as safety warnings and comments. If the label has fallen off or cannot be seen clearly, please contact our distributor and replace it.

⚠WARNING

- **Electrical safety**

- Before use, the generating set and its electrical equipment (including lines and plug connections) should be checked to ensure that they are not defective.

- Protection against electrical shock depends on circuit breakers specially matched to the generating set. If the circuit breakers require replacement, they should be replaced with a circuit breaker having identical ratings and performances characteristics

- Due to high mechanical stresses, only tough rubber-sheathed flexible cable or the equivalent should be used.

- If you need extension cords, use flexible cables such as rubber sleeves (compliant with IEC245 or corresponding requirements).Specification: ⩾ 14AWG/20ft.the extension lines should be special used for power supply cord line.

- The choice of protection arrangement to be carried out depending on characteristic of the generator, running conditions and scheme of grounded liaisons determined by the user. The user that he shall conform to regulations of electrical safety applicable to the place where the generating sets are used. And the requirements and the precautions to be respected by the user in the case of re-supply by generating sets of an installation, depending on existing

protective measures in this installation and applicable regulations.

- The generator produces enough electric power to cause a serious shock or electrocution if misused.

- Using a generator or electrical appliance in wet conditions, such as rain or snow, or near a pool or sprinkler system, or when your hands are wet, could result in electrocution. Keep the generator dry.

- If the generator is stored outdoors, unprotected from the weather, check all electrical components on the control panel, before each use. Moisture or ice can cause a malfunction or short circuit in electrical components which could result in electrocution.

- Do not connect to a building electrical system unless an isolation switch has been installed by a qualified electrician.

- Grounding

- The portable generator stator winding is isolated from the frame and from the AC receptacle ground pin;and

- Electrical devices that require a connection between one conductor pin and the grounded receptacle pin may not function properly.

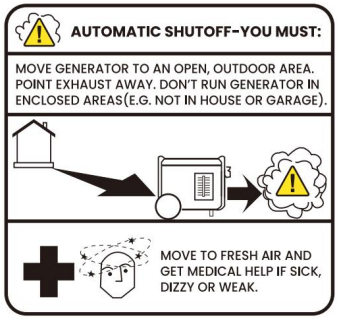
- Status of the AC neutral conductor is NEUTRAL FLOATING.

- Status of DC output receptacle(s) is BONDED TO FRAME.

2. LABELS

2.1 Warning labels

1) User instruction label



2) CO poisoning hazard label



3) Warning labels



4) Direction of engine exhaust label



5) Burning hazard label

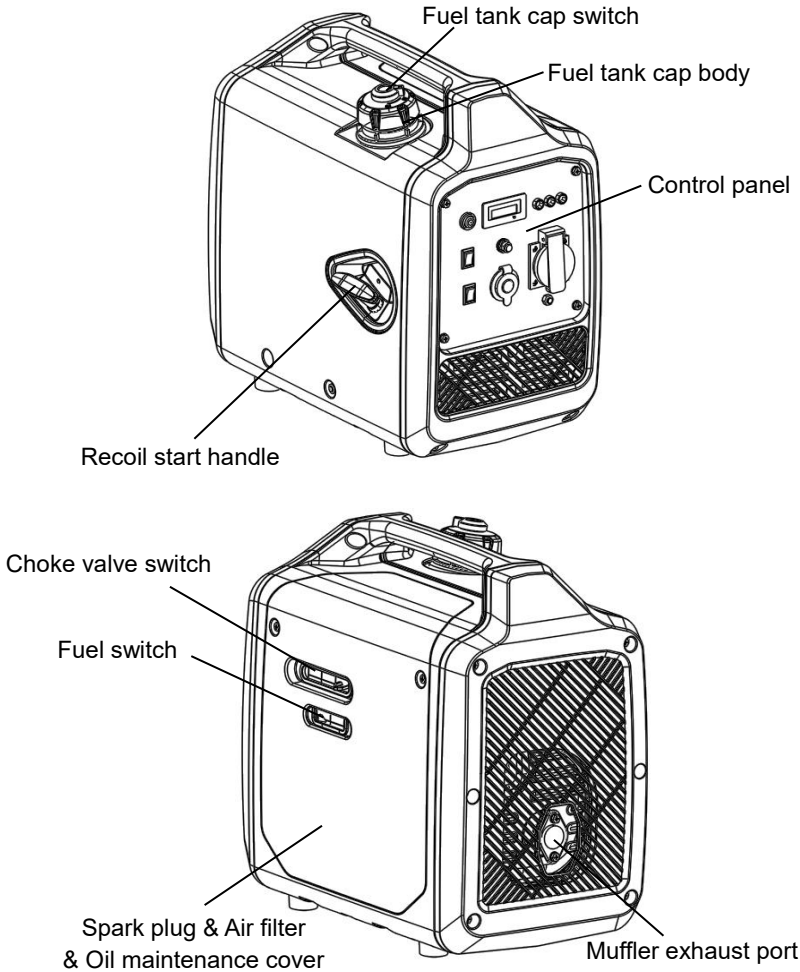


1.2 Nameplate



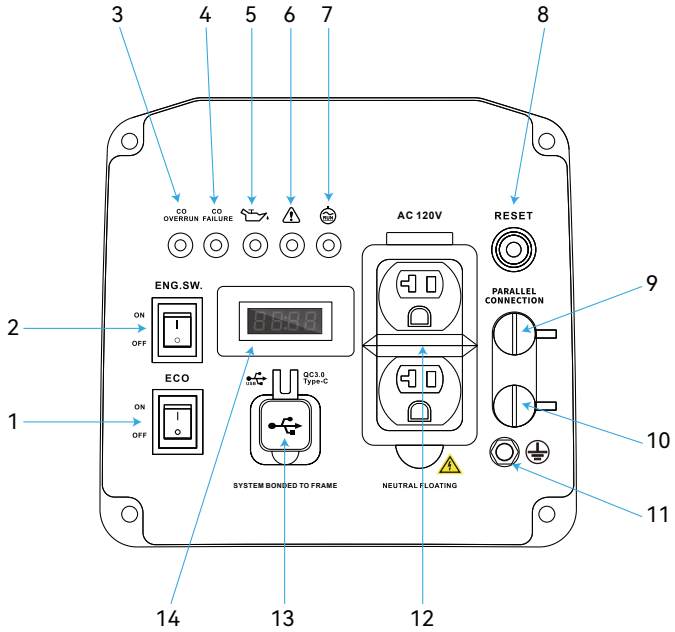
3. COMPONENTS IDENTIFICATION

3.1 Components Feature



3.2 Control Panel

（Depending on the configuration, the factory will make the appropriate adjustments, those changes are without separate notice.）



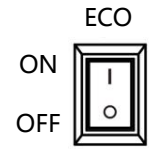
1	ECO(energy-saving switch)	8	Reset button
2	Engine Switch	9	Parallel terminal
3	CO OVERRUN light	10	Parallel terminal
4	CO FAILURE light	11	Ground terminal
5	Low oil indicator light	12	AC output socket
6	Overload indicator (red)	13	USB socket
7	Running indicator (green)	14	Digital Display

4. CONTROL SYSTEM

4.1 Energy-saving Switch

4.1.1 "ON"

When the energy-saving switch is placed in the "ON" position, the energy-saving device controls the engine speed according to the connected load, thus achieving better fuel consumption and low noise.

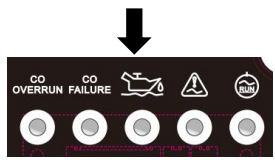


4.1.2 "OFF"

When the energy-saving switch is set to the "OFF" position, the engine will run at a relatively high speed regardless of whether a load is connected.

Tips: When using devices such as air compressors or submersible water pumps, the ECO must be turned off as a large starting current is required.

4.2 Oil Alarm System (Yellow)



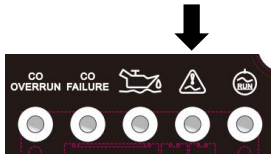
The engine oil protection system will stop the engine automatically if the oil is insufficient and the oil indicator will turn on. Check the oil level and re-fill it if necessary then restart again.

If the engine oil indicator flashes for few seconds, it means the oil capacity is insufficient. Refill the oil and restart the engine.

4.3 Fault Indicator Light (Red)

4.3.1 When the red indicator light flashes and the green indicator light remains on, it indicates that the generator set has exceeded the rated load.

Prolonged use will automatically cut off the output. Please reduce the load equipment or lower the load power to within the rated power range.



4.3.2 When the green indicator light goes out and the red indicator light flashes 6 times every 3 seconds, it indicates that the generator set's overload protection or short circuit has caused the output to be disconnected. Please reduce the load equipment or lower the load power to within the rated power range, or clear the short circuit fault, and then gently touch the reset button. When the green indicator light lights up again, it indicates that the generator set is operating normally.

4.3.3 When the green indicator light goes out and the red indicator light flashes three times every 3 seconds, it indicates that the operating temperature of the generator set has exceeded the limit. Please turn off the generator set and place it in a well-ventilated environment with a temperature below 40℃ before using it again. Or reduce the load power and then gently touch the reset button. When the green indicator light lights up again, it indicates that the generator set is operating normally.

4.3.4 When the green indicator light goes out and the red indicator light flashes once every 3 seconds, it indicates that the power input of the generator set is insufficient. Please turn off the generator set, maintain the air filter, spark plugs and carburetor before using it again. Or reduce the load power and then gently touch the reset button. When the green indicator light lights up again, it indicates that the generator set is operating normally.

Tips: When using inductive or capacitive load equipment with very high starting current (such as compressors, submersible pumps, etc.), the fault indicator light may be on

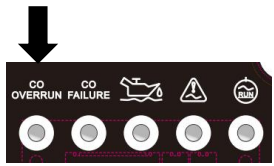
for a few seconds. This is a normal phenomenon because the inverter is controlled based on the current. As long as the duration does not reach the protection time, the equipment will return to normal after successful operation.

4.4 Operation Indicator Light (Green)



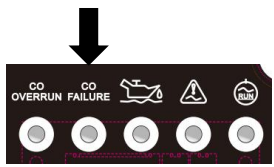
The operation indicator light will be on when the engine starts and outputs normally.

4.5 CO Shutoff System Indicator Light (Red)



When the CO concentration in the air exceeds the value stipulated by relevant regulations in the environment where the generator set is located, it will flash and cause the generator set to shut down, no longer emitting exhaust gas.

4.6 CO System Fault Indicator Light (Yellow)



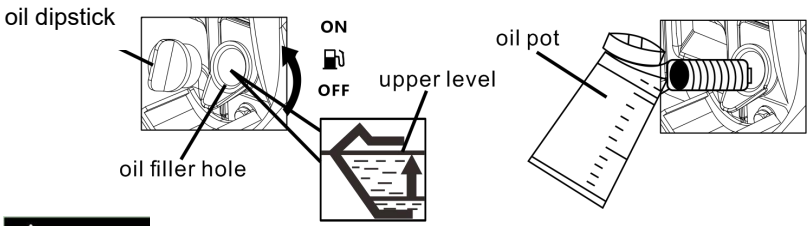
When the CO sensor of the generator set malfunctions and cannot normally determine the CO concentration in the environment, the indicator light will illuminate, causing the generator set to shut off and fail to start normally. In such cases, the CO sensor equipment needs to be replaced or the generator set should be repaired.

5. PRE-OPERATIONAL CHECK

Before use, make sure the generator is placed on a level ground and the engine is turned off.

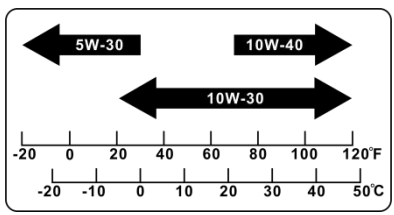
5.1 Check the Oil Level

Remove the oil dipstick and wipe it with a clean cotton cloth. After reinserting the crankcase, take it out and check the oil level. If the oil level is below the indicated line on the dipstick, add oil.



NOTICE

- Do not use 2-stroke engine oil or engine oil without cleaning agents, otherwise it will shorten the service life of the engine.
- Please use high-quality 4-stroke engine oil, which must meet or exceed the SJ grade of the American Petroleum Institute classification as required by American automakers.
- Choose the engine oil that suits the viscosity of the average temperature in your area.



The SAE viscosity grades are shown in the table above.

NOTICE

- Store and use engine oil carefully to prevent dirt or dust from falling into it.

When adding engine oil, wipe the area around the oil filler port clean.

- Do not mix engine oils of different specifications to avoid negative impacts on the performance of the engine oil.

NOTICE

- Running the engine with insufficient engine oil may seriously damage the engine.
- The oil alarm system will automatically shut down the engine before the oil level drops to the safe limit. However, to avoid the inconvenience caused by unexpected shutdowns, we still recommend that you check the oil level regularly.

5.2 Check the Gasoline Level

- Please use unleaded gasoline, 92# or higher.
- Do not use a mixture of engine oil and gasoline or dirty gasoline.
- Prevent dirt and water from entering the fuel tank.
- Do not use gasoline with an ethanol content higher than 10% or gasoline containing methanol, otherwise it will seriously damage the engine.

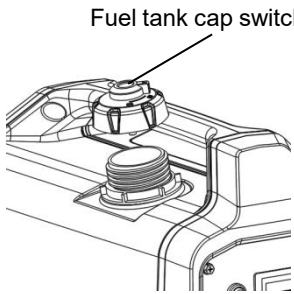
WARNING

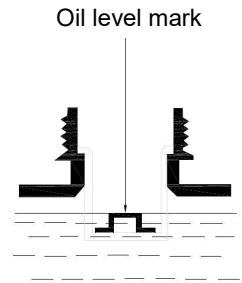
- Under certain circumstances, gasoline is extremely flammable and explosive.
- Please refuel in a well-ventilated area and turn off the engine. Smoking and open flames are strictly prohibited in the engine refueling area and the gasoline storage area.
- Gasoline must not overflow the fuel tank (the fuel level should be lower than the red fuel level indicator). After refueling, tighten the fuel tank cap.

● After refueling, promptly dry the remaining gasoline with a clean and soft cloth.

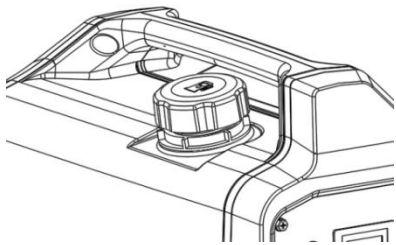
● Avoid prolonged and repeated skin contact with gasoline or inhalation of steam.

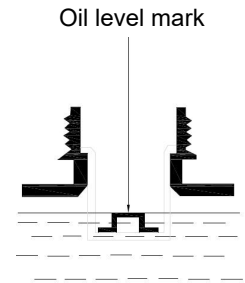
● Do not let children come into contact with gasoline.





After refueling the fuel tank cap without a vent hole, make sure the fuel tank cap is tightened (when a "clicking" sound occurs).



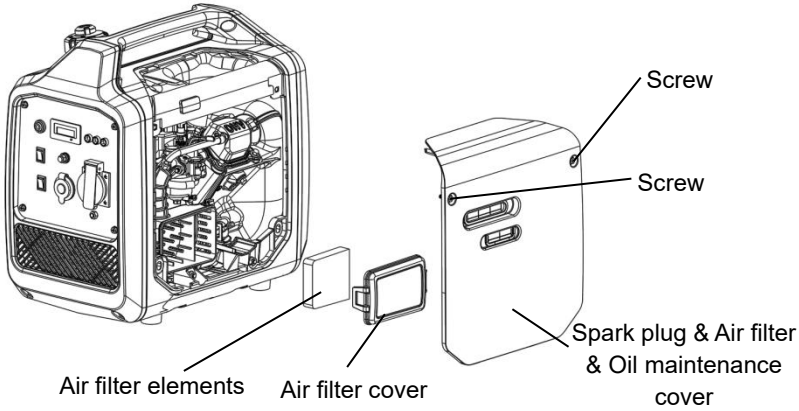


5.3 Check the Air Filter

Check the air filter element to ensure it is clean and functioning properly.

5.3.1 Loosen the screws of the air filter maintenance cover and remove the air filter maintenance cover.

5.3.2 remove the air filter cover.



5.3.3 Remove the filter element of the air filter. If necessary, the filter element needs to be cleaned or replaced.

NOTICE

- The engine is not allowed to run without an air filter element, otherwise, dirt will enter the engine through the carburetor, causing rapid wear of the engine.

5.4 Start the Generator

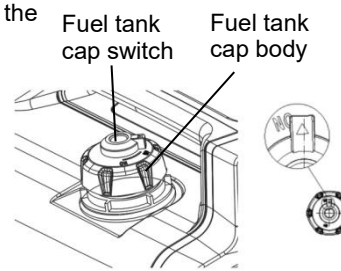
NOTICE

- Before starting the generator, disconnect the electrical equipment from the AC socket of the generator.
- When using it for the first time (after a long period of non-use or when starting after running out of gasoline), turn the fuel switch to the "ON" position and wait for ten to twenty seconds before starting to allow gasoline to enter the engine carburetor.

WARNING

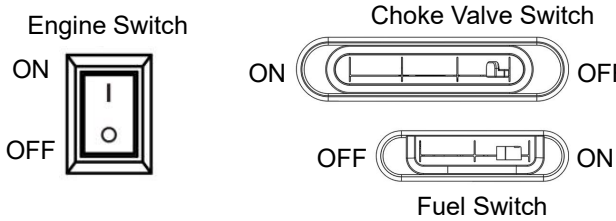
- **Do not use indoors or in enclosed environments.**

5.4.1 If the generator is equipped with the tank cover as shown in the right picture, please turn the tank cover switch to the "ON" position.



Note: When transporting the generator, the fuel tank cap switch should be turned to the "OFF" position.

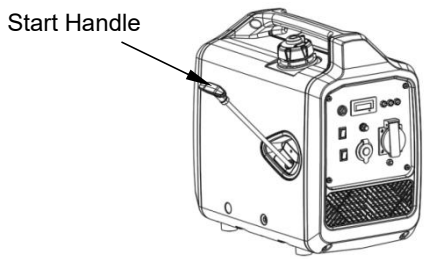
5.4.2 Press the engine switch on the generator control panel to the "ON" position.



5.4.3 Turn the fuel switch to "ON" and set the choke valve switch to "OFF".

Note: When the engine is relatively hot or the ambient temperature is relatively high, the choke valve does not need to be closed.

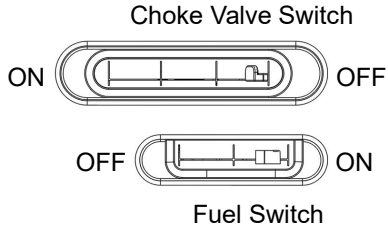
5.4.4 Recoil start: Gently pull the start handle until you feel resistance, and then quickly pull it in the direction indicated by the arrow in the following picture.



NOTICE

- When pulling the start handle, the pulling angle should not be too large to avoid wearing the handle's casing.
- Do not allow the start handle to rebound and retract automatically to avoid damaging the housing. The starting handle should be slowly put back.

5.4.5 When the engine is running, set the choke valve switch to the "ON" position.



NOTICE

If the engine cannot be started after it stops, first check the position of the fuel tank cap switch, the fuel switch and the operation steps. If none of them work, then check the oil level.

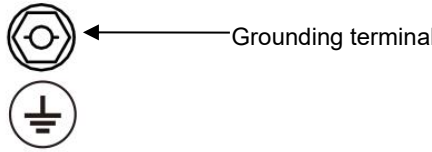
NOTICE

- If the generator is used at an altitude above 1,500 meters, please contact our dealer to replace the carburetor at high altitudes. (Carburetors at high altitudes cannot be used in low-altitude areas, otherwise, the engine will be damaged due to overheating.)

6. GENERATOR USAGE

WARNING

- To prevent electric shock caused by incorrect use, the generator should be grounded.



● As a backup power source, the generator cannot be connected to the power system of the power grid company.

⚠ WARNING

● Do not overload the generator.

● Do not connect the generator to the household power system of the power grid company, otherwise, it may cause electric shock and death when people come into contact with the wires. And damage the generator or household appliances.

● Do not operate in parallel with generator sets of other brands.

● Do not lengthen the engine exhaust pipe.

● If an extension cable is required, a flexible cable with a rubber sheath (in compliance with IEC245 or the corresponding regulations) should be used. The length limit of the cable: The 2.5mm ² cable is 60 meters long. The 4.0mm ² cable is 100 meters long.

● Keep the generator away from other wires and cables, such as the distribution network.

⚠ NOTICE

● When using an AC power supply, a DC power supply can be used simultaneously.

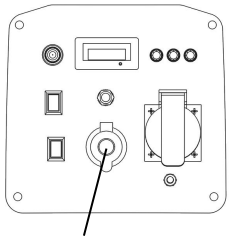
● If both AC and DC sockets are used simultaneously, make sure the total power does not exceed the sum of the AC and DC power.

6.1 Use of DC Power Supply

When the DC socket is unloaded, the output voltage is 15-20V DC. For 12V DC load only.

NOTICE

- When using alternating current, a direct current power supply can be used.
- Overloading a DC current may cause the DC protector to act. First, remove the DC load, wait for a few minutes, and then reset the DC protector button.



DC cigarette lighter socket

6.2 Use of AC Power Supply

6.2.1 Start the engine and make sure it's AC output indicator light (green) is on.

6.2.2 Turn off the switches of the electrical equipment and then insert the electrical equipment into the output socket of the generator.

6.2.3 To achieve the best usage effect and the maximum service life of the generator, a new generator should generally operate at 50% load for 20 hours to ensure the engine performance reaches its peak.

NOTICE

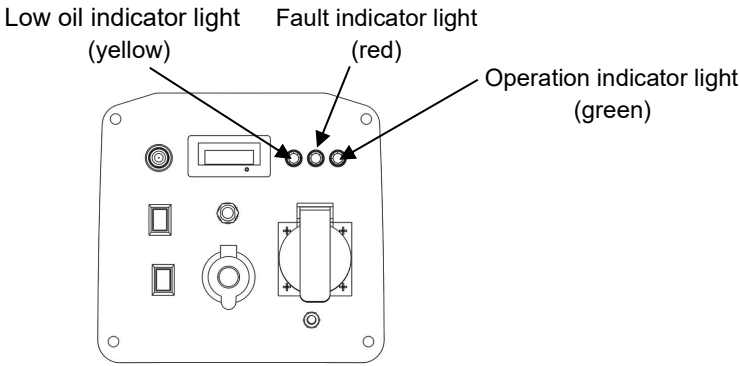
- Before connecting the AC output of the generator, it is necessary to confirm that the electrical equipment can work normally. If during use, the electrical equipment suddenly stops working or operates abnormally, immediately disconnect the electrical equipment and stop the engine.

6.3 Operation Indicator Light, Fault Indicator Light

- Under normal conditions, the operation indicator light is on.

● If the generator is overloaded or if there is an internal short circuit in the connected electrical equipment, the operation indicator light (green) goes out while the fault indicator light (red) is on. At this time, the output power supply will be cut off, but the engine will still be running.

● If the fault indicator light (red) is on, the electrical equipment should be disconnected first. If the fault indicator light (red)goes out and the operation indicator light (green) is on, you can reconnect the electrical equipment. Otherwise, please turn off the engine and check for faults.



6.4 Low Oil Level Alarm System

● The low oil level alarm system is designed to prevent the engine from being damaged due to insufficient crankcase oil. Before the engine oil in the crankcase drops to the safety line, the low oil level alarm system automatically shuts down the engine (the generator engine switch remains in the "ON" position).

● After the low oil level alarm system turns off the engine, if you start the engine again, the low oil level alarm indicator light (yellow) will be on and the engine cannot run. If this happens, please add engine oil.

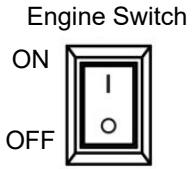
7. STOP THE GENERATOR

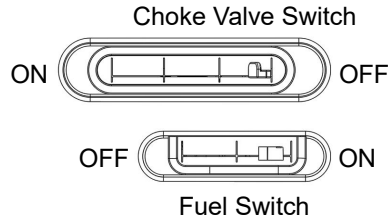
If the engine is to be stopped urgently, please turn the generator engine switch to the "OFF" position.

7.1 Turn off the electrical equipment and unplug the output plug of the generator.

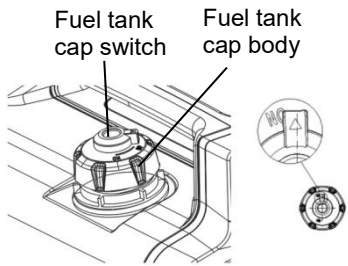
7.2 Turn the generator engine switch to the "OFF" position.

7.3 Turn the generator fuel switch to the "OFF" position.





7.4 If the generator is equipped with the fuel tank cover as shown in the picture below, after the generator has completely cooled down, please turn the fuel tank cover switch counterclockwise to the "OFF" position.



When turning off, moving or storing the generator, make sure that the fuel tank cap switch and the engine switch are in the "OFF" position.

8. MAINTENANCE

The purpose of maintenance and periodic servicing is to keep the generator in the best operating condition.

⚠ WARNING

- Before carrying out any maintenance, please turn off the engine. If the engine must be operated during maintenance, it must be done in a well-ventilated area as the exhaust gas contains carbon monoxide.

⚠ NOTICE

- To ensure quality, when replacing damaged parts, please use the original spare parts of our company or parts of the same quality.

Maintenance and repair plan

Maintenance Cycle Table / Maintenance Items		Each Use	1st Month or 10 Hours	Every 3 Months or 50 Hours	Every 6 Months or 100 Hours	Every 2 Years or 200 Hours
Engine Oil	Check Oil Level	⊙				
	Replace				⊙	
Air Filter	Inspect	⊙				
	Clean			⊙ (1)		
Spark Plug	Inspect and Adjust			⊙		
	Replace					⊙
Spark Arrester	Clean				⊙	
Valve Clearance	Inspect and					⊙ (2)

	Adjust					
Fuel Tank and Strainer	Clean				⊙	
Cylinder Head	Clean	Every 300h(2)				
Fuel Line	Inspect	Every 2 years (replace if necessary)（2）				

(1) If used in an environment with a lot of dust, please increase the maintenance frequency of air filter.

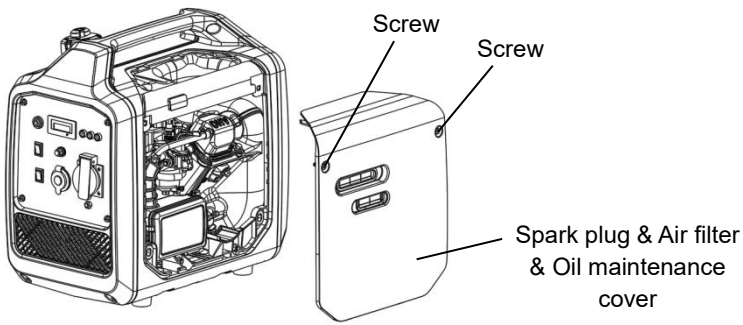
(2) The maintenance items for this part require professional repair tools and skills.

- If it is used for commercial purposes, due to long-term use, the frequency of maintenance can be increased.

8.1 Change Oil

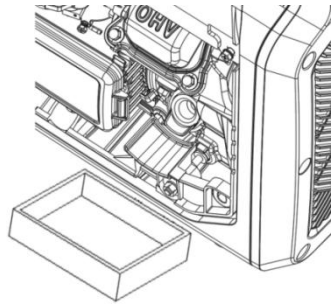
When the engine just stops, the engine oil should be drained quickly and thoroughly.

8.1.1 Loosen the screws of the air filter maintenance cover and remove the air filter maintenance cover.

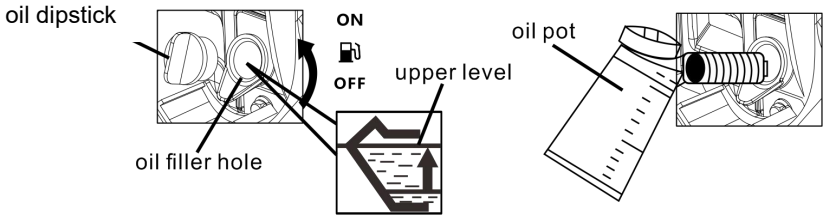


8.1.2 Remove the oil dipstick.

8.1.3 Drain the waste engine oil.



8.1.4 Add the recommended engine oil and check the oil level.



8.1.5 Reinstall the oil dipstick and maintenance cover, tighten the screws.

NOTICE

- According to environmental requirements, used engine oil should be sealed in containers and handed over to professional processing centers for recycling. Do not throw it into the trash can or splash it on the ground.

8.2 Air Filter

A dirty air filter can block air from entering the carburetor. To prevent the carburetor from malfunctioning, it is necessary to maintain the air filter regularly. If the generator is often used in areas with high dust levels, even

more frequent maintenance is required.

WARNING

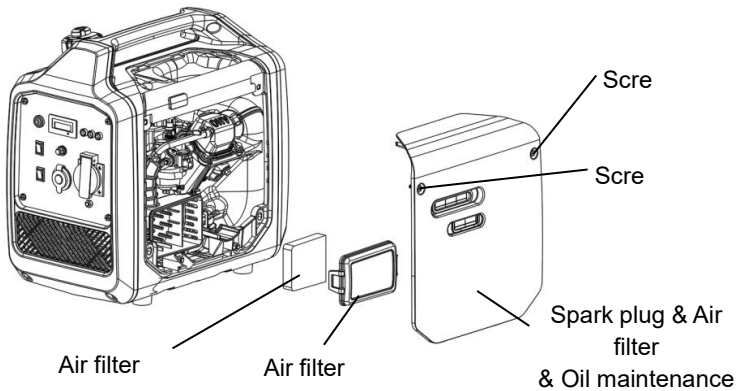
- Do not clean the generator with gasoline or low flash point solvents, as they are flammable and explosive under certain conditions.

NOTICE

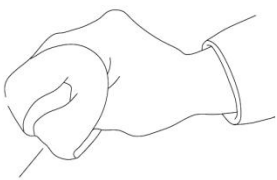
- Do not operate the generator without an air filter, otherwise it will cause rapid wear of the engine.

8.2.1 Loosen the screws of the air filter maintenance cover and remove the air filter maintenance cover.

8.2.2 remove the air filter cover.



8.2.3 Remove the filter element and clean it with a non-flammable or high flash point solvent (such as kerosene or motorcycle engine oil), and then dry the filter element.


Air filter elements

8.2.4 Immerse the filter element with clean engine oil and squeeze out

the excess oil.

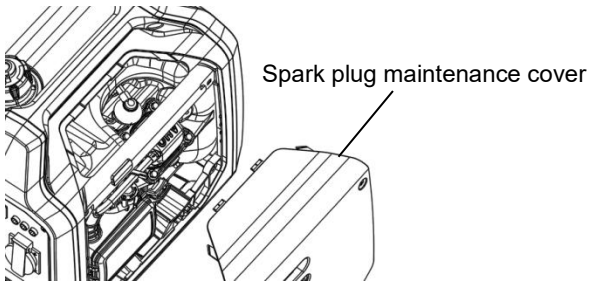
8.2.5 Reinstall the filter element and the air filter cover.

8.2.6 Reinstall the air filter maintenance cover and tighten the screws.

8.3 SPARK PLUG

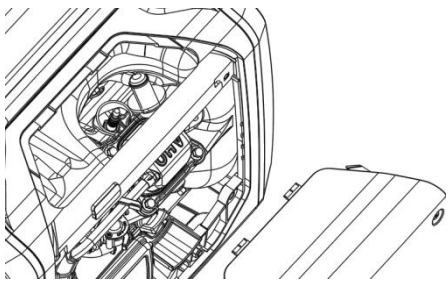
To ensure the normal operation of the engine, the spark plug gap must be appropriate and there should be no carbon deposits on the spark plugs.

8.3.1 Open the spark plug maintenance cover.



8.3.2 Remove the spark plug cap.

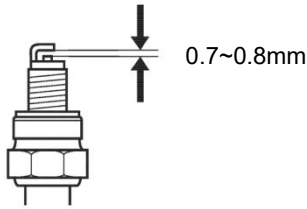
8.3.3 Remove the spark plug with a spark plug wrench.



8.3.4 Visually inspect the spark plug. If the insulator has cracks, it must

be scrapped. If the spark plug can be reused, clean it with a wire brush.

8.3.5 Measure the spark plug clearance with a standard gauge. The spark plug gap should be 0.7-0.8mm.



WARNING

- The spark plug must be installed firmly, otherwise, it will become very hot and damage the generator. Do not use spark plugs with different heat values.

1. Install the spark plugs carefully by hand and be careful not to misalign the threads.
2. After manually installing a new spark plug, tighten it by half a turn with a wrench and press the gasket in place. If an old spark plug has already been installed, after positioning it, it only needs to be tightened by 1/8 to 1/4 turn.
3. Reinstall the spark plug caps properly.
4. Reinstall the spark plug maintenance cover and tighten the screws.

8.4 Spark Arrester

WARNING

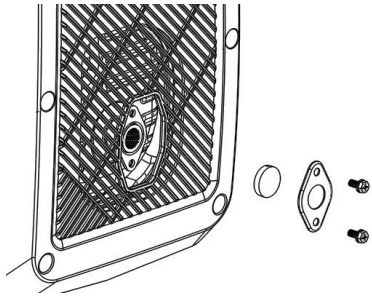
The spark arrester must be maintained once every 100 hours of engine operation.

8.4.1 When the muffler cools down, loosen the screw of the muffler's exhaust port and remove the spark arrester.

8.4.2 Use a brush to clean the carbon deposits on the spark arrester. If

the spark arrester is damaged, it needs to be replaced.

8.4.3 Reinstall the spark arrester properly.



9. TRANSPORTATION/STORAGE

To prevent fuel leakage from the generator during transportation or temporary storage, it is essential to turn off the fuel tank cap switch and the fuel switch of the generator in the "OFF" position to keep the generator in the normal operating position. After the engine has completely cooled down, turn the fuel tank cap switch to the "OFF" position.

⚠ WARNING

When transporting the generator:

- Do not let the gasoline overflow from the fuel tank. There should be no gasoline around the neck of the fuel filler.
- When the generator is placed on the vehicle, do not operate it. Instead, remove the generator from the vehicle and operate it in a well-ventilated area.
- Do not expose the generator directly to the sun.
- Do not leave the generator in a sealed compartment for a long time. The high temperature inside the compartment may cause gasoline to vaporize, leading to an explosion.

● The carriages equipped with generators must not be jolted for a long time on uneven roads. If you have to drive on such a road, drain the gasoline and engine oil in advance.

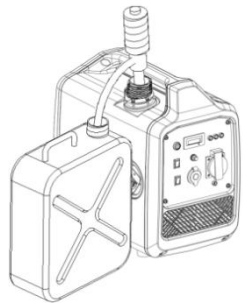
● Before storing the generator for a long time, the following should be done:

9.1 Ensure that the storage area is clean and not damp.

9.2 Drain all the gasoline.

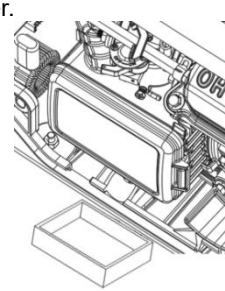
⚠ WARNING

● Under certain circumstances, gasoline is flammable and explosive. Smoking and open flames are strictly prohibited near gasoline.



A. Extract the gasoline from the fuel tank into a suitable container.

B. Turn the generator fuel switch to the "ON" position, loosen the drain screw on the carburetor, and discharge the gasoline in the carburetor into a suitable container.



C. Remove the spark plug cap, pull the start handle three to four times to drain the gasoline from the fuel line and carburetor.

D. Turn the generator fuel switch to the "OFF" position, and then tighten the carburetor drain screw.

E. Reinstall the spark plug cap onto the spark plug.

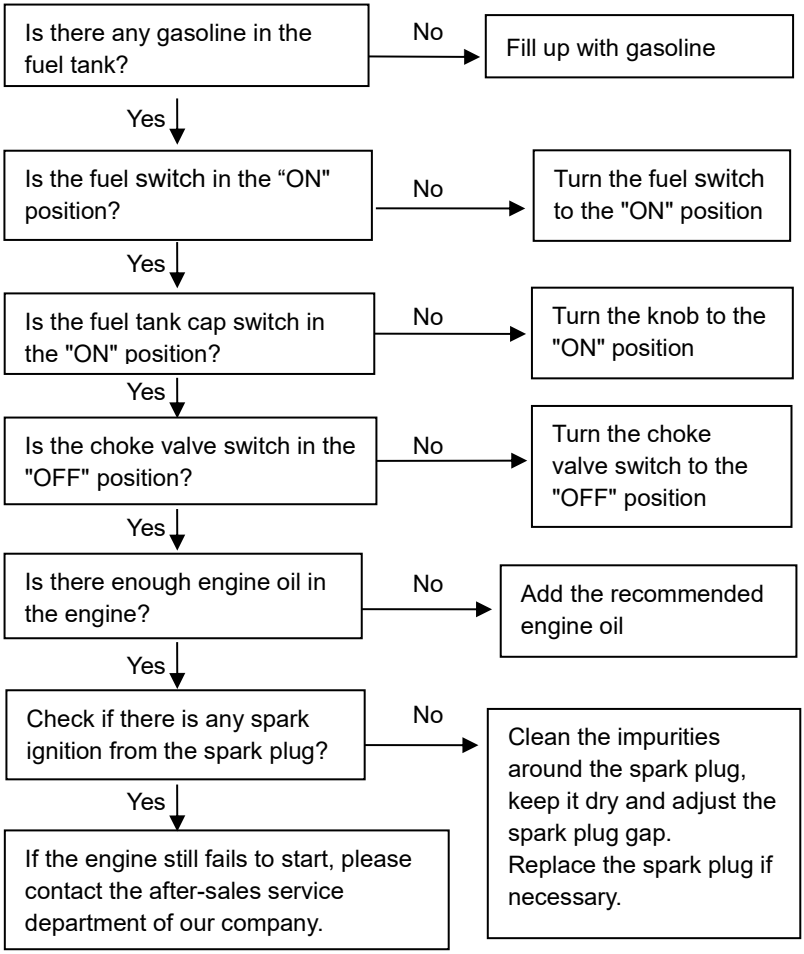
9.3 Change the engine oil.

9.4 Remove the spark plug and pour about 10 to 20ml of clean engine oil into the cylinder. Slowly lift the handle to make the engine run a few turns to evenly distribute the engine oil, and then reinstall the spark plug.

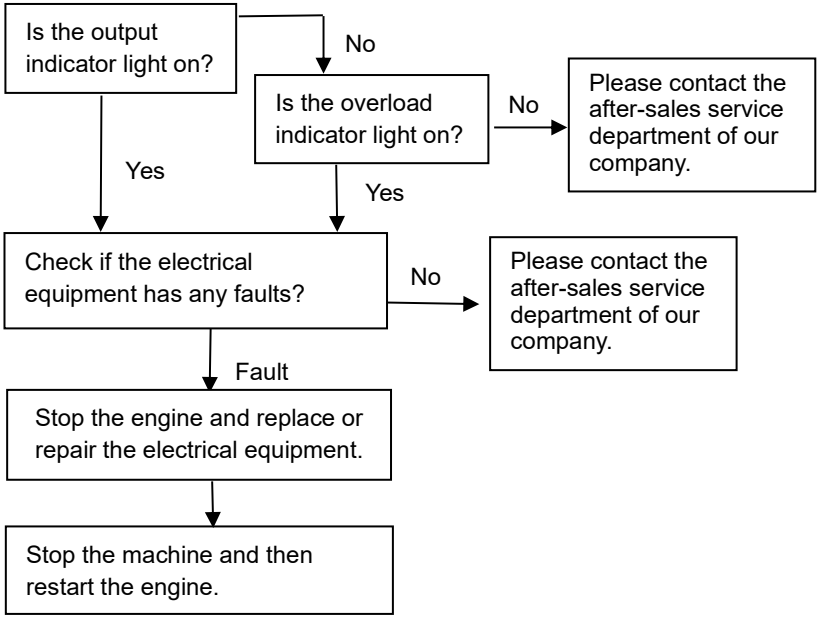
9.5 Slowly lift the handle until you feel obvious resistance. At this point, the piston is at the high compression stroke end, and both the intake valve and the exhaust valve are closed simultaneously. Storing the engine in this situation helps prevent rust inside.

10. TROUBLESHOOTING

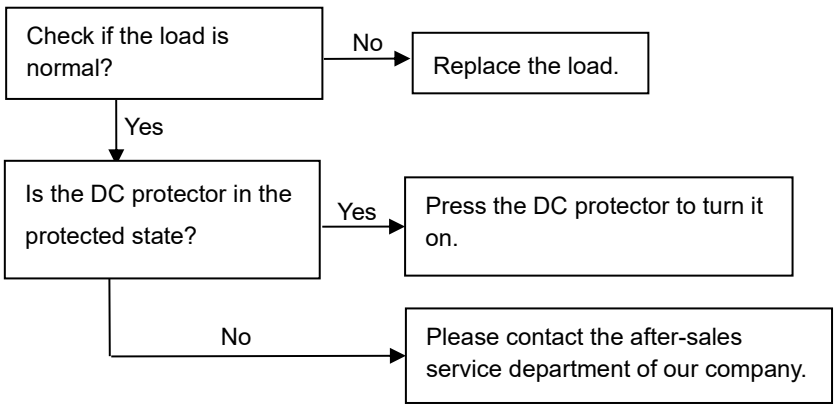
The engine can't start:



The equipment connected to the generator cannot start:

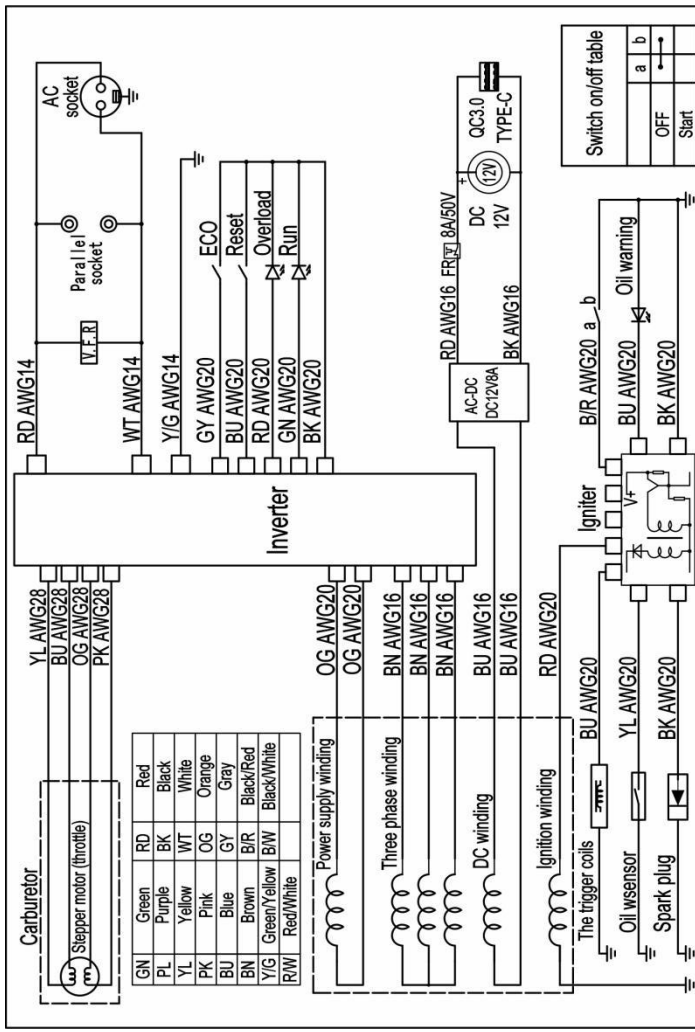


No current in the DC socket:



11. CIRCUIT DIAGRAM

(According to different configurations, the factory will make corresponding adjustments. Subject to change without prior notice.)



12. PARAMETER

Gasoline engine	Items	S1600iS
	Engine Model	H60i
	Engine type	Single-cylinder, Four-stroke, Air-cooled
	Displacement(cc)	60
	Ignition system	TCI
	Start mode	Recoil Start
Generator set	Oil capacity(L)	0.3
	Tank capacity (L)	3
	Fuel type	Unleaded Gasoline
	Frequency (Hz)	60
	Phase	Single Phase
	Voltage (V)	120
	Rated power(kW)	1.2
	Max. power (kW)	1.6
	DC output	12V/5A
	L x W x H (mm)	400×250×400

13. SERVICE INFORMATION

If you are not entirely satisfied with your purchase, please feel free to contact us using the following steps:

1. Go to Your Orders.
2. Find your order in the list.
3. Select Problem with order
4. Choose your topic from list displayed.
5. Select Contact seller.
6. You can also contact us via email, our email:

   support@siokiuupower.com

14. WARRANTY INFORMATION

- SIOKIUU equipment 3-year limited warranty
- Repair/ replacement warranty

SIOKIUU warrants to the original purchaser that mechanical and electrical components will be free from defects in material and workmanship (parts and labor) for three years from the date of original purchase and 270 days (parts and labor) for commercial and industrial use. Shipping costs for products submitted for repair or replacement under this warranty are the sole responsibility of the purchaser. This warranty extends only to the original purchaser and is not transferable.

- Do not return the device to the place of purchase Please

Scan the QR code and contact SIOKIUU Technical Service Department and SIOKIUU will resolve any issues by email. Please retain it for future reference. Repairs or replacements performed without prior authorization or at an unauthorized repair facility will not be covered under warranty.

- Warranty Exclusions

This warranty does not cover the following repairs and equipment: normal wear and tear

Products with mechanical and electrical components require periodic care and maintenance to maintain good performance. This warranty does not cover repairs when the life of a component or the equipment as a whole is exhausted during normal use. Installation, use and maintenance.

- This warranty does not apply to parts and/or labor improperly connected or incorrectly connected to any electrical component if it is believed that the product has been misused, neglected, involved in an accident, abused, exceeded product limitations, modified or installed. This warranty does not cover normal performed at the facility or by a person maintenance or Must be authorized by SIOKIUU.

Other exclusions

This warranty does not cover:

-Cosmetic defects such as paint, decals, etc.

-Wear filter elements, O-rings, etc.

-Accessory parts such as starting batteries and storage covers.

-Failures due to acts of God and other force majeure events beyond the manufacturer's control.

-Failure caused by non-genuine SIOKIUU equipment parts.
Where applicable, this warranty does not apply to products that replace the utility's main power supply.
Limitation of implied warranties and incidental damages
SIOKIUU Equipment assumes no liability for any loss of time, use of this product, shipping costs, or any incidental or consequential claims arising out of the use of this product by any person. THIS WARRANTY AS APPLICABLE, ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. EQUIPMENT PROVIDED AS AN EXCHANGE WILL BE COVERED FOR THE WARRANTY PERIOD OF THE ORIGINAL UNIT. THE EXCHANGE UNIT WILL BE COUNTED BASED ON THE PURCHASE DATE OF THE ORIGINAL UNIT. This warranty gives you certain legal rights that may vary from state to state orprovince to province. Your state or province may also have other rights that you may be entitled to that are not covered by this warranty.

SIOKIUU

www.siokiuupower.com

support@siokiuupower.com