INVERTER GENERATOR

INSTRUCTION MANUAL

PLEASE READ BEFORE USE

GP8000iE

REMOTE CONTROL

ONE BUTTON ELECTRIC START

A REAL BEAST OF A MACHINE

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IMPORTANT SAFETY INFORMATION

Proper storage, operation, and maintenance are essential for the safe, efficient, and reliable performance of your GP8000iE Open Frame Generator.

Before operating or servicing the generator:

Familiarise yourself with and strictly adhere to local laws and regulations. Carefully read and follow all safety warnings in this manual and on the unit.

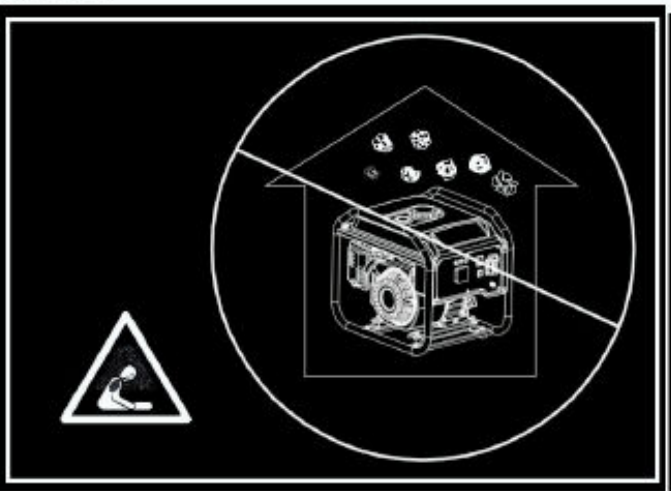
Ensure all users, including family members, understand the safety precautions outlined in this manual before use.

While this manual provides extensive safety guidance, it is impossible to predict every potential hazard. If specific usage procedures, working methods, or operating techniques are not detailed, always prioritise personal safety. Additionally, ensure that all actions do not cause damage to the generator during operation.

IMPORTANT SAFETY INFORMATION

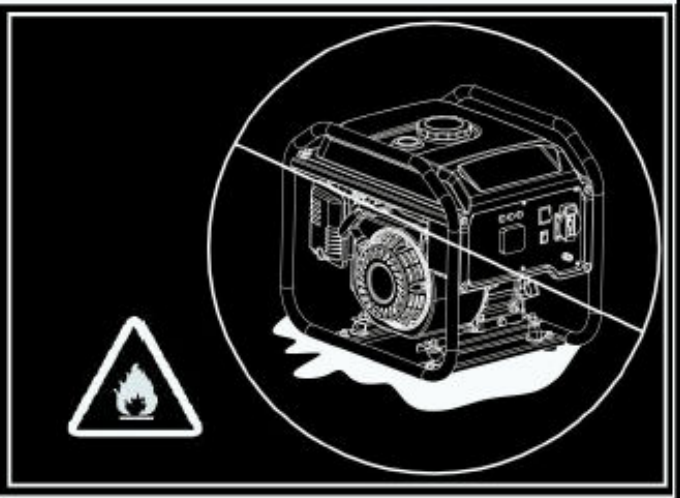
DANGER

Do not use indoors.



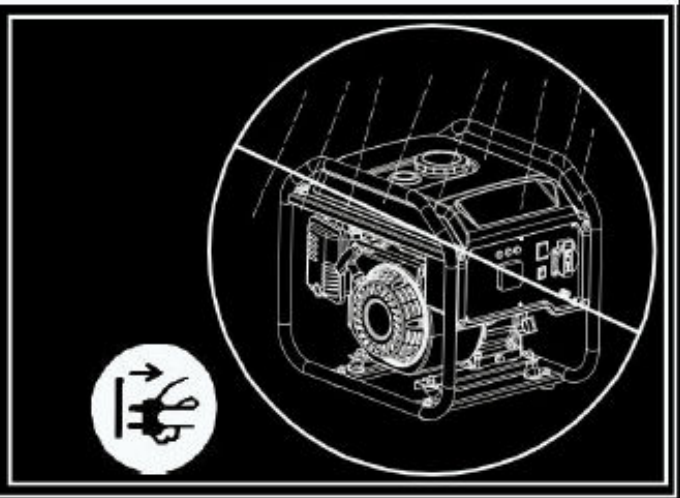
DANGER

Please keep the machine clean and tidy, do not spill gasoline or other flammable materials on the machine.



WARNING

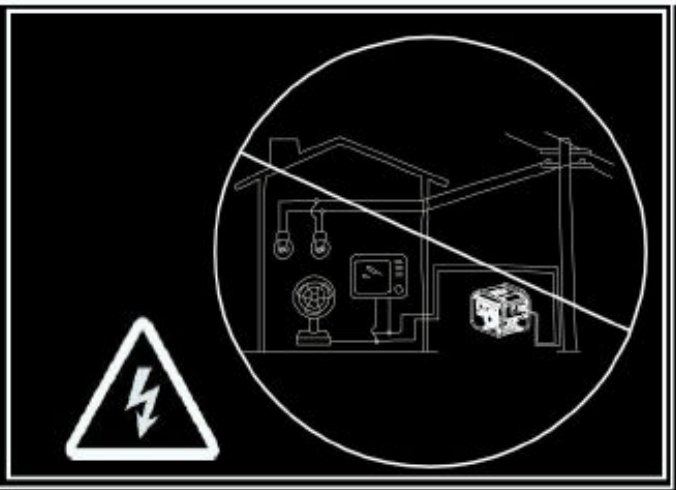
Do not use in wet environment.



IMPORTANT SAFETY INFORMATION

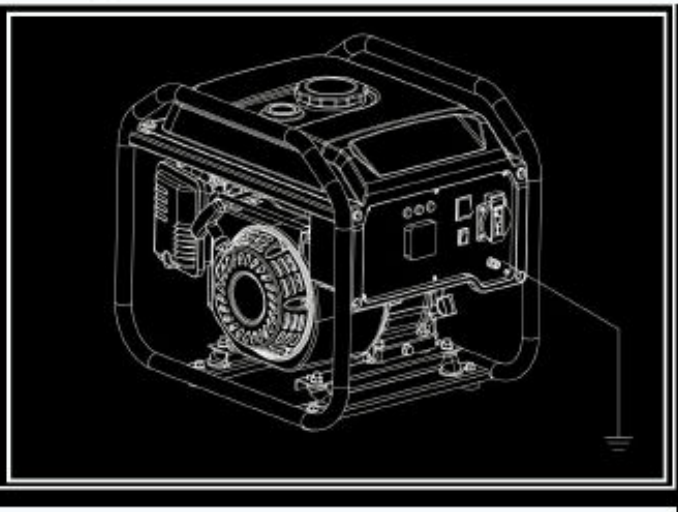
⚠ WARNING

The generator set cannot be connected to the mains power supply and other generator sets, please use it alone.



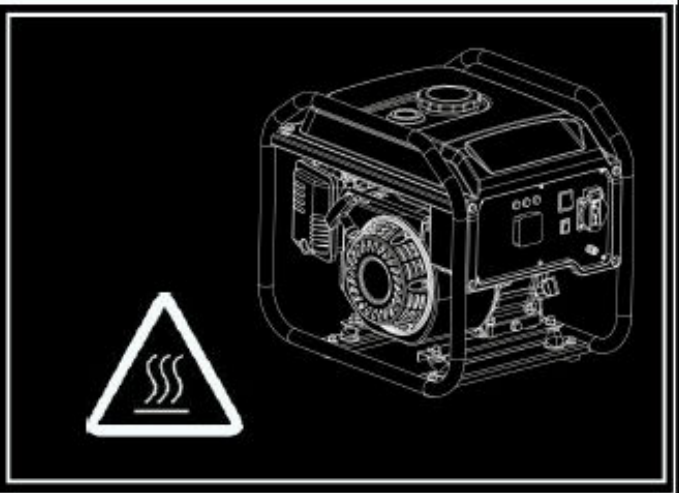
⚠ WARNING

Must be safely grounded.
Note Please use a ground wire with sufficient electrical flux.
Diameter of ground wire:
0.12mm/A Example: 10A-1.2mm



⚠ WARNING

The generator surface temperature is very high, avoid burns.

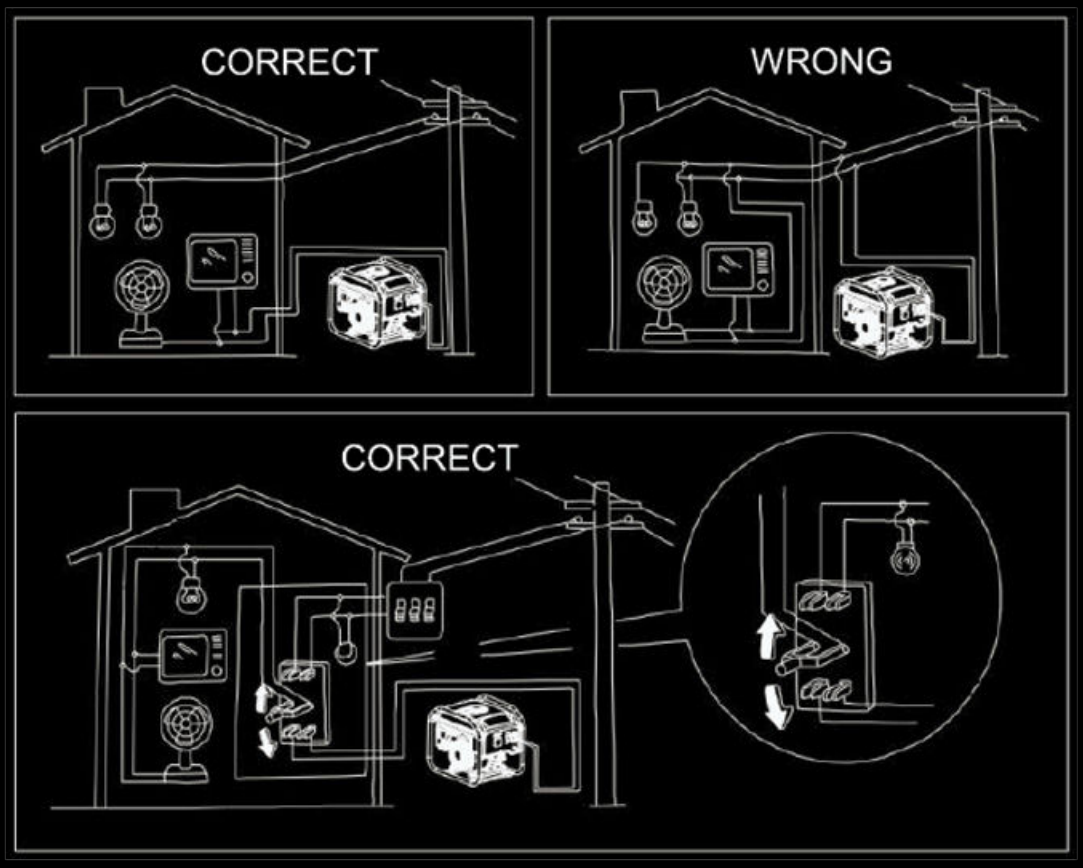


IMPORTANT SAFETY INFORMATION

Connecting to a Home Power Supply

When using the generator as a backup power source for a home, the connection must be carried out by a qualified electrician or a person with appropriate electrical knowledge.

After connecting the load to the generator, carefully check that all electrical connections are secure. Incorrect wiring may result in generator damage, overheating, or fire.

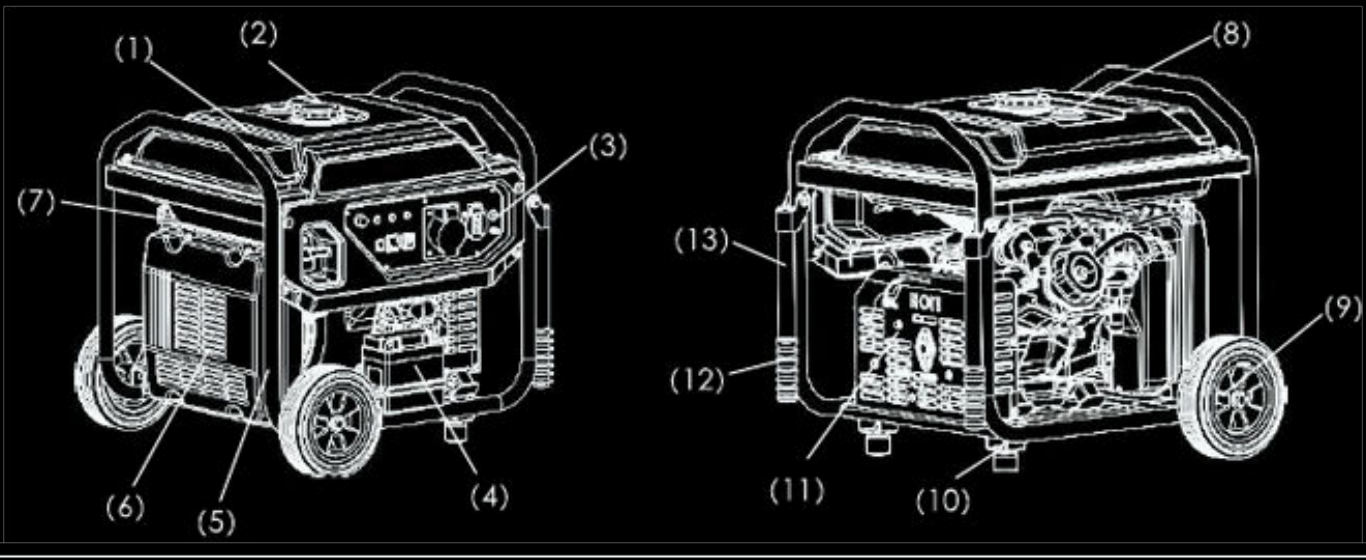


Ventilation and Storage Precautions

To prevent damage, ensure that the air inlet of the inverter cover and the exhaust outlet of the muffler remain clear of debris, mud, and water. Blocked vents can lead to engine, inverter, or motor failure.

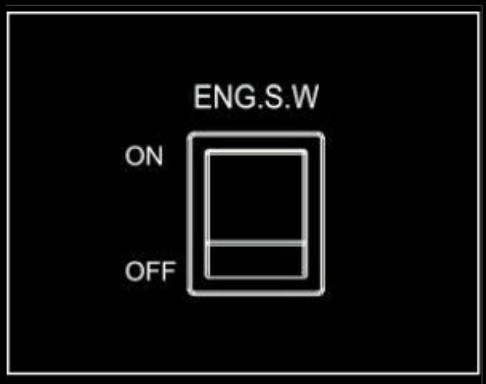
When transporting, storing, or using the generator, keep it separate from other items. In the event of an oil leak, contact with other objects may cause engine damage or property loss.

ASSEMBLY

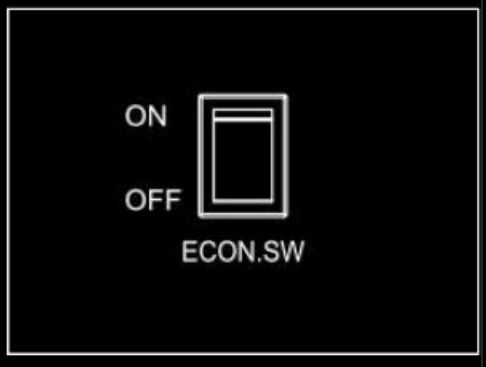


(1) Fuel tank	(6) Inverter cover	(11) Muffler
(2) Fuel tank cover	(7) Fuel switch	(12) Handle sleeve
(3) Panel assembly	(8) Fuel gauge	(13) Handle
(4) Battery	(9) Wheel	
(5) Frame assembly	(10) Shockproof foot	

CONTROLS



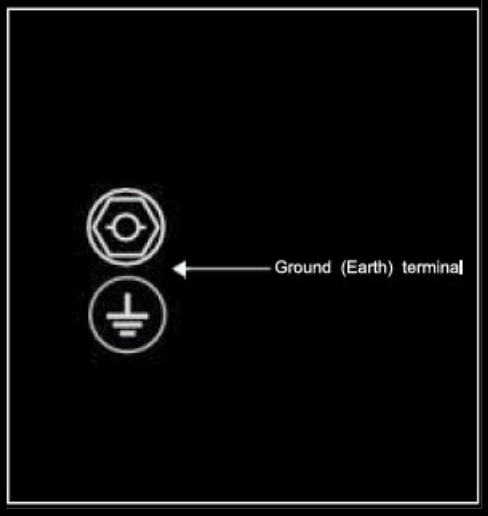
Engine Switch
"STOP" – The ignition circuit is off, preventing the engine from running.
"ON" – The ignition circuit is on, allowing the engine to start and run.



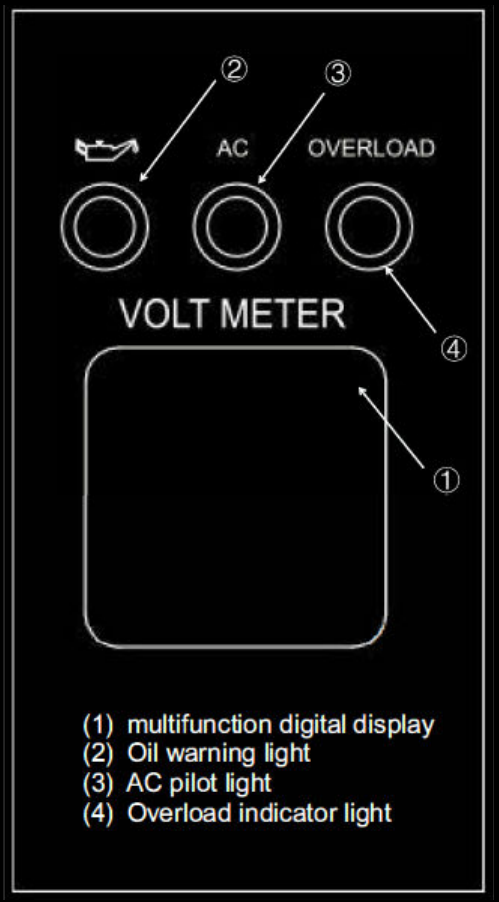
Economy Control Switch
"ON" – The economy control unit adjusts engine speed based on the connected load, improving fuel efficiency and reducing noise.
"OFF" – The engine runs at a constant rated speed of 3600 RPM, regardless of load.

Note: The ECO switch must be set to "OFF" when using electrical devices with high starting currents.

CONTROLS



Ground (Earth) Terminal
The ground (earth) terminal provides a connection to prevent electric shock. When grounding an electrical device, the generator must also be properly earthed.



1. Multifunction Digital Display
During normal operation, the digital display shows real-time voltage, frequency, and the cumulative running time of the generator.

2. Oil Warning Light
If the oil level falls below the minimum required level, the oil warning light will illuminate, and the engine will automatically shut down. The engine will not restart until the oil is replenished.
Tip: If the engine stalls or fails to start, turn the engine switch to **"ON"** and pull the recoil starter. If the oil warning light flickers for a few seconds, this indicates low oil levels. Add oil before restarting.

3. AC Pilot Light (Green)
The AC pilot light illuminates when the engine starts and is generating power.

4. Overload Indicator Light
The overload indicator light illuminates when an overload is detected in a connected electrical device, the inverter control unit overheats, or the AC output voltage increases beyond safe levels.

CONTROLS

When this occurs, the AC protector will trip, stopping power generation to protect both the generator and any connected devices.

The AC pilot light (green) will turn off, while the overload indicator light (red) will remain on. However, the engine will continue running.

If the overload indicator light comes on and power generation stops, take the following steps:

1. Turn off any connected electrical devices and stop the engine.
2. Reduce the total wattage of connected appliances to within the rated output.
3. Check for blockages in the cooling air inlet and around the control unit. If any blockages are found, remove them.
4. Once all checks are complete, restart the engine.

Tip: The overload indicator light may illuminate briefly when using electrical devices with a high starting current, such as a compressor or a submersible pump. This is normal and does not indicate a malfunction.

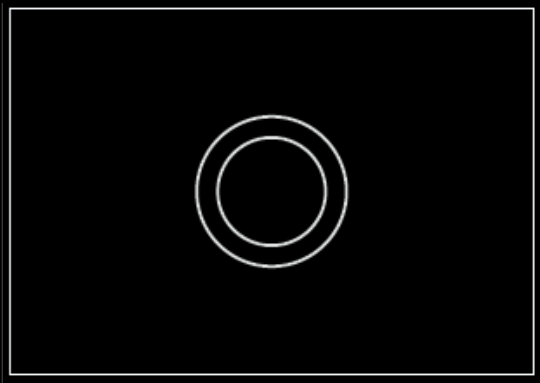


Figure 1

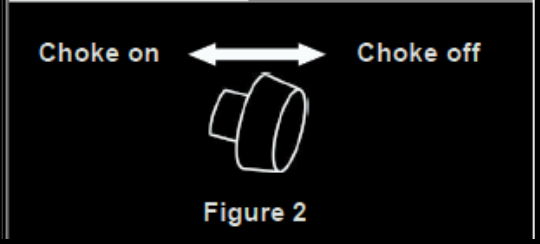


Figure 2

5. Reset Switch
If the generator becomes overloaded and there is no output, please press the reset button. At this point, the generator should resume delivering power.

6. Fuel Switch Choke
When the fuel switch is “on”, the fuel passage is open, allowing the fuel tank to continuously supply petrol. When the switch is “off”, the fuel passage is closed, stopping the fuel supply from the tank.

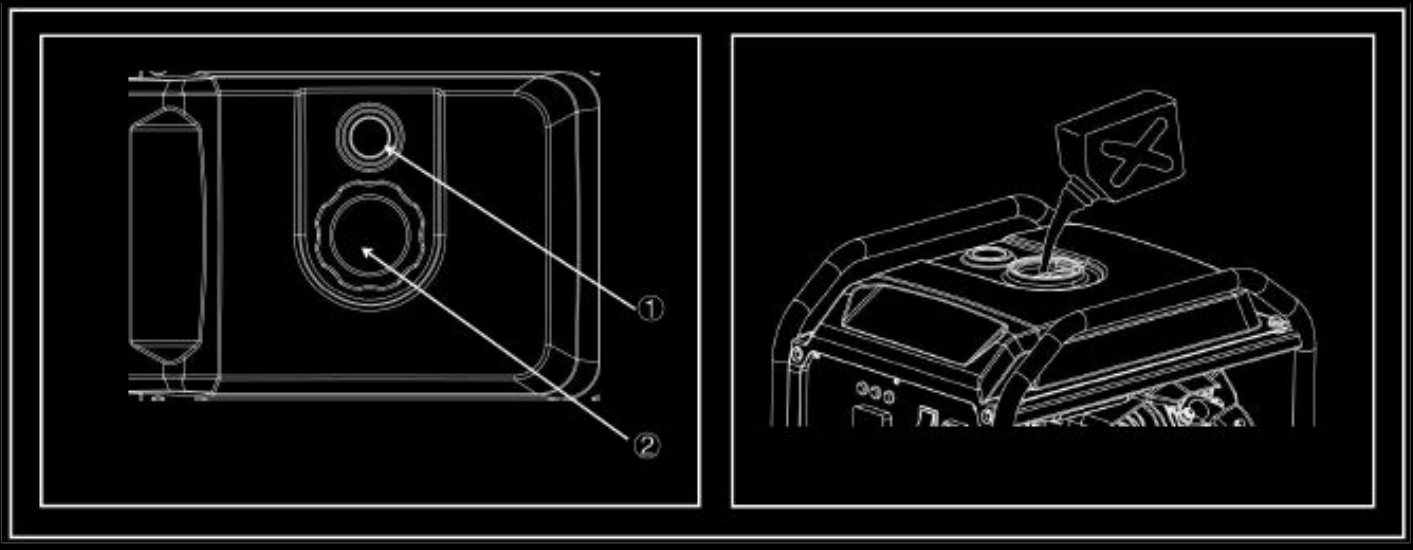
When the choke is **“OFF”**, the carburettor intake channel is closed, making it easier to start the engine when the fuel concentration is increased. When the choke is fully “**ON**”, the engine can operate normally.
Figure 1 shows the carburettor choke handle.
Figure 2 shows the choke plug.

PRE-START CHECK

Fuel

Fuel is highly flammable and poisonous. Please read the safety instructions before refuelling.
Do not overfill the fuel tank, as it may overflow when the fuel warms and expands. Ensure the fuel tank cap is securely tightened.
Clean up any fuel spills immediately, as it is harmful to skin, wildlife, and highly flammable.
Use only unleaded petrol. Using leaded petrol will severely damage internal engine parts.
Check fuel levels before starting.

Fuel tank capacity: 25L

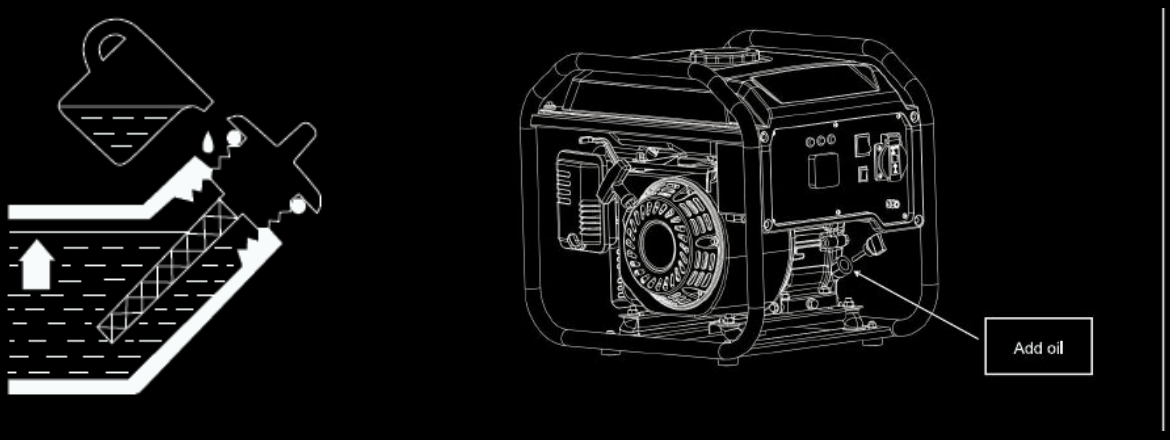


Engine Oil

The Generator when shipped comes without oil. Do not start the engine untill it has been filled with the right oil to the marked level. When adding the oil, do not tilt the generator to prevent the engine from being damaged by adding excess oil.

Recommended Engine Oil: SAE 10W-30
Recommended Engine Oil Grade: API service SE type or higher.
Engine Oil quantity: 1.1L

PRE-START CHECK



OPERATION

Never operate the engine in an enclosed area due to the risk of carbon monoxide, which can cause unconsciousness or death. Always use the engine in a well-ventilated space.

Tips: The generator can be used with the rated output load under standard atmospheric conditions: Ambient temperature 25°C, barometric pressure 100 kPa, and relative humidity 30%.
The generator's output may vary with changes in temperature, altitude (lower air pressure at higher altitudes), and humidity.
Output decreases when temperature, humidity, or altitude exceed standard atmospheric conditions.

Engine Start-up

1. Turn the ECO switch to **"ON"**.

2. Turn the engine switch to **"ON"**.

Turn on the fuel knob, ignition system, and close the choke knob. The engine is now in a cold-start state.

Tip: The choke is not needed to start a warm engine.
3. Pull the recoil starter slowly until engaged, then pull briskly.
Tip: Hold the carrying handle firmly to prevent the generator from tipping over when pulling the recoil starter.

OPERATION

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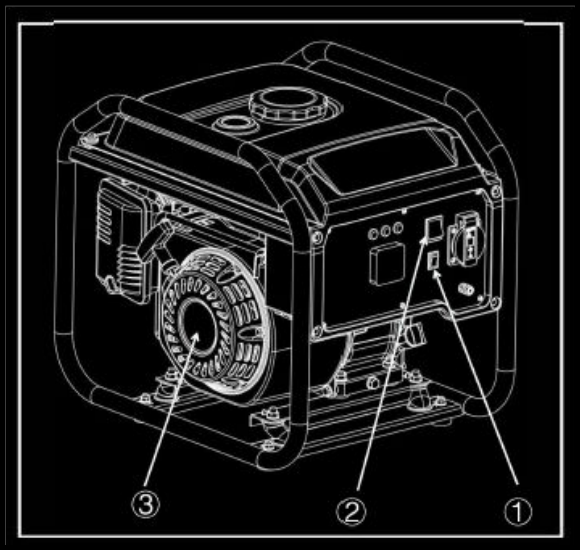
Tip: Hold the carrying handle firmly to prevent the generator from tipping over when pulling the recoil starter.



When starting the engine with the ECON switch "ON" and no load on the generator:

In temperatures below 0°C (32°F), the engine will run at rated speed (4500 rpm) for 5 minutes to warm up.
In temperatures below 5°C (41°F), the engine will run at rated speed (4500 rpm) for 3 minutes to warm up.
The ECO switch will function normally after this warm-up time.

Stopping The Engine:
Before stopping, ensure no electric devices are connected.

Tip: Turn off any electric devices first.

Turn the ECO switch to **"OFF"**.
Disconnect any electric devices.
Turn the engine switch to **"STOP"**.
Alternating Current (AC) connection

AC Connection Safety Guidelines:

WARNING: Ensure all electric devices are turned off before plugging them in.

CAUTION: Ensure all electric devices, including lines and plugs, are in good condition before connecting to the generator. Ensure the total load does not exceed the generator's rated output. Ensure the receptacle load current is within the receptacle's rated current.

OPERATION

TIPS: Always ground (earth) the generator. If the electric device is earthed, the generator must also be earthed.

Start the engine.
1. Turn the ECO switch to "ON".
2. Ensure the AC pilot light is on.
3. Plug into the AC receptacle.
4. Turn on the electric devices.

TIPS: Turn the ECO switch to **"OFF"** to increase engine speed to rated speed. When the generator starts, the overload indicator (red light) may illuminate. It should go out within 3 seconds.

For multiple loads or devices, start them in order from largest to smallest based on each device's load.

If the generator is overloaded or a short circuit occurs in the connected equipment, the overload indicator (red light) will light up.

After about 5 seconds, the generator output indicator (green light) will go out, and the generator will stop providing voltage.

Stop the generator, inspect the issue, determine if it's caused by a short circuit or overload, resolve the issue, and restart the generator.

LOAD GUIDE

When using the generator, ensure the total load does not exceed the generator's rated output, as this may cause damage.

AC			
Power factor	1	0.8-0.95	0.4-0.75 (Efficiency 0.85)
GP8000iE	~7500W	~6000W	~3000W

NOTE: '~' means more than.

When each device is working by itself, it will display the number of application functions, but the total power number cannot exceed the rated output power.

For example:

Generator rated output		2800VA
AC	Power factor	
	1.0	-2800W
	0.8	-2200W

The overload indicator light comes on when total wattage exceeds the application range. See page 9 for further details.

- Do not overload the generator. The total load of all connected electrical appliances must not exceed the generator's rated output, as overloading can cause damage.
- When powering precision equipment, such as electronic controllers, PCs, computer-based devices, or battery chargers, keep the generator at a safe distance to prevent electrical interference. Ensure that engine noise does not affect nearby electrical devices.

LOAD GUIDE

- If using the generator to power medical equipment, seek advice from the equipment manufacturer, a medical professional, or a hospital before use.
- Some electrical appliances and general-purpose electric motors have high starting currents and may not be compatible with the generator, even if their rated power falls within the generator's supply range. Consult the equipment manufacturer for guidance.

SERVICING & MAINTENANCE

To ensure safe operation and keep the engine in good working condition, regular servicing is required. Follow the maintenance schedule and inspection procedures carefully.

- If you are not familiar with maintenance procedures, consult a professional.
- Always stop the engine before performing any maintenance.
- Use only specified genuine parts.

Items	Routine inspection	Each time	every 6 months or every 100 hrs of operation	12th month or every 300 hrs of operation
Spark plug	Check status Clean or replace if necessary		○	
Fuel	Check oil level for leaks	○		
Fuel pipe	Check the pipe for cracks or damage and replace if necessary	○		
Oil	Check oil level	○		
	Replace		○ (1)	
Air filter	Check status and clean		○ (2)	
Muffler grille	Check status, Clean or replace as necessary		○	

SERVICING & MAINTENANCE

Spark collector	Check status, Clean or replace as necessary		○	
Fuel filter	Clean or replace as necessary			○
Crankcase breather	Check for cracks or damage, replace if necessary			○
Cylinder head	Clean up carbon deposits (multiple operations if necessary			★
Valve clearance	After the engine has cooled (check and adjust)			★
Fittings/fixtures	Check all fittings/fixtures adjust if necessary			★
Problems found when using		○		

(1) The first oil change should be carried out after 20 hours of operation or within the first month.

(2) Clean the air filter more frequently when operating in damp or dusty conditions.

∘These maintenance tasks should be performed by an authorised dealer.

Spark Plug Inspection

The spark plug is a vital component of the engine's ignition system, playing a crucial role in ensuring efficient combustion and overall engine performance. To maintain optimal functionality and prevent potential issues such as misfiring or power loss, it should be inspected and serviced regularly.

1. Remove the spark plug cap (1) and insert tool (2) onto the spark plug.

2. Insert the spark plug socket tool (3) to the spark plug and turn it anticlockwise to remove the spark plug.

3. Inspect for discolouration and remove any carbon deposits. The porcelain insulator around the centre electrode of the spark plug should be a medium-to-light tan colour.

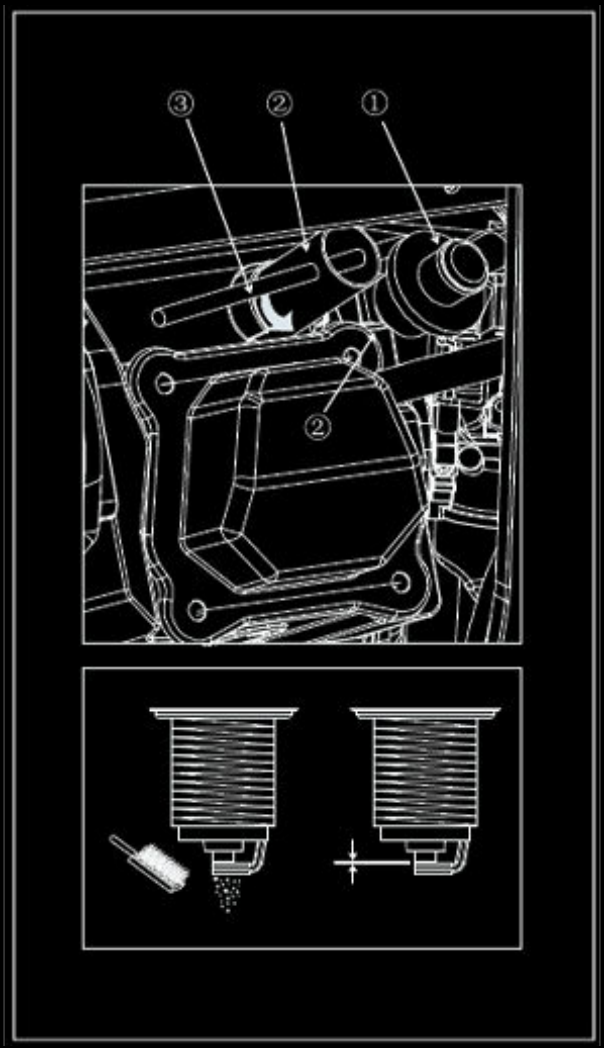
4. Install the new spark plug.

5. Reinstall spark plug cap and cover.

Standard Spark Plug:

BPR6ES/BP6ES (NGK)
F6RTC/F6TC (TORCH)
Spark Plug Gap: 0.6–0.7mm

Tips: If a torque wrench is not available when installing a spark plug, a good estimate for correct torque is 1 to 2 turns past finger-tight. However, the spark plug should be tightened to the specified torque rating (22N·m).



Carburettor Adjustment

The carburettor is a vital part of the engine. Adjustments should be carried out by an authorised personnel with the necessary professional knowledge, specialist tools, and equipment to ensure proper operation.

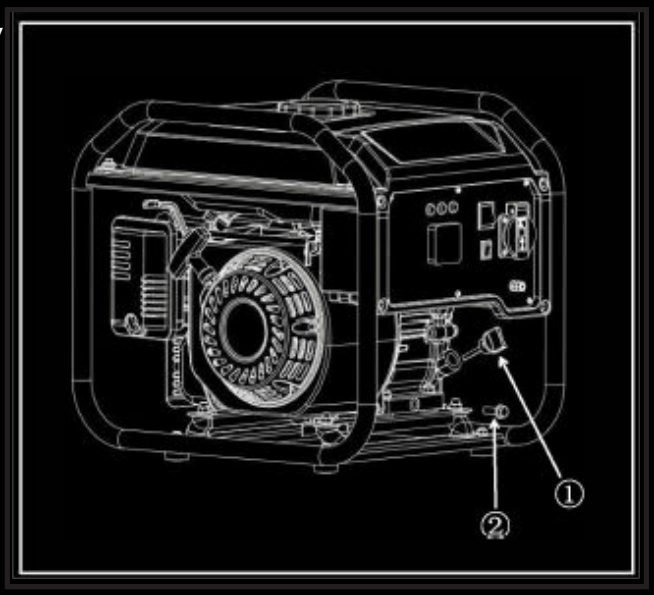
Changing Engine Oil

Engine oil is essential for engine performance. Checks and changes should be carried out by an authorised dealer with the necessary professional knowledge, specialist tools and equipment.

- Do not tilt the generator when adding engine oil, as this may lead to overfilling and potential engine damage.
- Ensure no foreign materials enter the crankcase.

SERVICING & MAINTENANCE

Avoid draining the engine oil immediately after stopping the engine, as the oil will be extremely hot. Handle with care to prevent burns.



1. Place the generator on a level surface.

2. Remove the oil gauge (1).

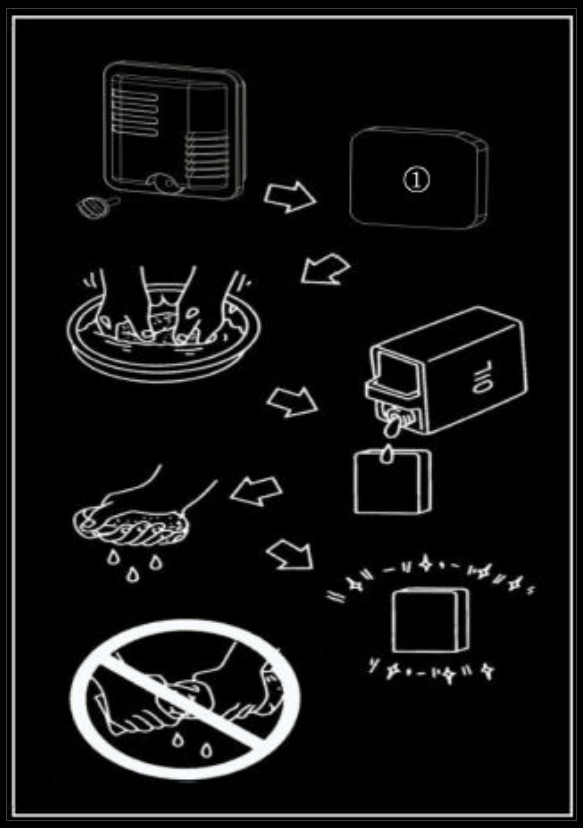
3. Position an oil pan beneath the base plate and remove the oil drain plug (2). The oil will drain from the tank.

4. Inspect the oil gauge, sealing ring, oil drain plug, and gasket. If any components are damaged, replace them immediately.

5. Reinstall the oil drain plug and gasket securely.

6. Refill the oil to the correct level and tighten the oil gauge.

Air Filter



1. Remove the cover, then remove the foam element (1).

2. Wash the foam element in solvent and allow it to dry.

3. Oil the foam element and squeeze out any excess oil. The foam element should be wet but not dripping. Do not wring the foam element when squeezing it, as this could cause it to tear.

4. Insert the foam element into the air filter case.

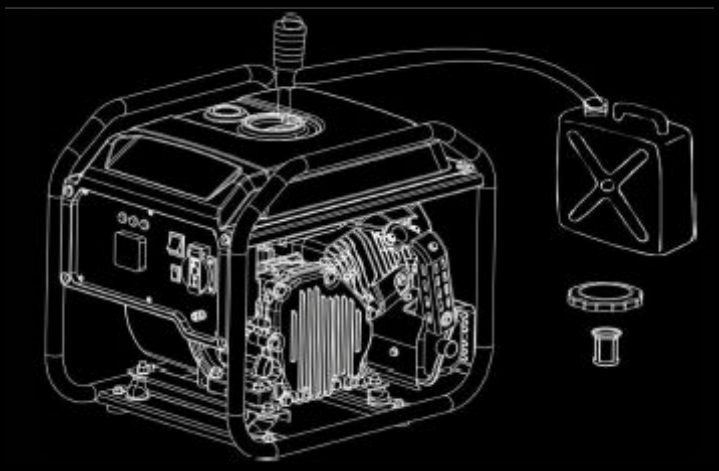
Reinstall the air filter case cover in its original position.

SERVICING & MAINTENANCE

Storage

Long-term storage of your machine requires certain preventative measures to protect against deterioration.

Draining Oil:



1. Remove the fuel tank cap and the filter.

2. Extract the fuel from the fuel tank into an approved petrol container, then reinstall the fuel tank cap.

3. Fuel is highly flammable and toxic. Refer to the "SAFETY INFORMATION" section carefully.
Immediately wipe off any spilled fuel with a cloth, as fuel may damage painted surfaces or plastic components.

4. Start the engine and allow it to run until it stops as it runs out of fuel.

5. Drain the fuel from the carburettor by loosening the drain screw on the carburettor float chamber.

6. Ensure all switches are turned to the 'STOP' position.

7. Tighten the oil drain plug.

Draining Oil:

Follow the steps below to safeguard the cylinder, piston rings, and other components from corrosion:

1. Remove the spark plug, pour one tablespoon of SAE 10W-30 into the spark plug hole, and reinstall the spark plug.

2. Recoil the engine by turning it over several times to coat the cylinder walls with oil.

SERVICING & MAINTENANCE

3. Clean the exterior of the generator.

4. Store the generator in a dry, well-ventilated place with the cover placed over it.

5. Always store the generator on a flat surface.

TROUBLESHOOTING

Engine Won't Start

1. Fuel System:

- No fuel supplied to the combustion chamber: Check the fuel supply to ensure it is flowing properly.
- No fuel in the tank: Fill the fuel tank with the appropriate fuel.
- Bad fuel in the tank: Drain the old fuel and replace it with fresh fuel.
- Clogged fuel filter: Clean or replace the fuel filter.
- Clogged carburettor: Clean the carburettor to ensure proper fuel flow.

2. Engine Oil System:

- Engine oil is low: Add the recommended engine oil to bring the level to the appropriate mark.

3. Electrical System:

- Spark plug dirty with carbon or wet: Clean the spark plug and wipe it dry.
- Faulty ignition system: Contact our company or an authorised engineer for further inspection.

Generator Will Not Produce Power:

- AC pilot light goes out: Stop the engine, then restart it to reset the system.

TECHNICAL SPECIFICATION

GP8000iE

KEY FEATURES

TRUE SINE WAVE INVERTER
Provides clean, stable power to safely operate sensitive electronics.

REMOTE/ELECTRIC START
Enables quick and effortless engine ignition at the push of a button, removing the need for manual recoil pull-starting.

ECONOMY MODE
Automatically adjusts engine speed to reduce fuel consumption, noise, and emissions.

LOW OIL SHUT OFF
Protects the engine by automatically shutting off when oil levels are too low.

TECHNICAL SPECIFICATION

Model	GP8000iE
Maximum Watts	8000w
Running Watts	7500w
Fuel Type	Petrol
Weight (kg)	64kg
Fuel Tank Capacity (litres)	25L
Oil Capacity (litres)	1.2L
Starting System	Wireless Remote/ Electric
Frequency	50Hz
Dimensions (mm)	635*525*568mm

† Please ensure the correct model is referenced when reviewing technical specifications, as features & performance may vary between models.

PANEL CONNECTIONS

GROUND TERMINAL
Provides a secure earth connection for improved safety and compliance with regulations.

240V 13A SOCKET
Ideal for household appliances and light-duty equipment, providing sufficient power for everyday use.

240V 16A SOCKET
Designed for heavy-duty applications, offering increased power capacity for demanding equipment and tools.

240V 32A SOCKET
Designed for high-demand applications, this socket provides power for heavy-duty machinery and industrial equipment.

equip2clean®
A proud subsidiary of equipmart

WARRANTY

Commercial and Industrial
12 Months Limited*

Domestic and Residential
3 Years Limited*

We stand behind the quality and reliability of our generators, ensuring you have a dependable solution for your power needs.

Comprehensive Coverage: Our warranty protects you against any manufacturing defects, providing full support for repairs or replacements.

Reliable Performance: Our generators offer consistent, high-quality power, backed by our trusted warranty.

Customer Support: Should any issues arise, our dedicated customer service team is always on hand and ready to help with hassle-free assistance to offer solutions. Customers need to show proof of purchase when claiming warranty.

Warranty Exclusions:
Normal wear and tear and user misuse.
Any modifications made to the generator will void the warranty.
Cosmetic defects.
Fuel system damage or engine performance problems resulting from contaminated fuel due to poor storage.
Damage by accident, impact, improper installation, or storage.
Damage by water ingestion, submersion, and external water damage.
Damage caused by frost or overheating from excessive ambient temperatures or lack of ventilation.
Damage from overloading or underloading.
Fuel-related problems (contaminated or stale fuel, incorrect fuel/oil mixture, incorrect fuel type).
Please bear in mind, warranties are not transferable.

If the product develops a fault within 30 days, we will either repair the product, replace it with a like-for-like product, or offer a refund. If we replace the product, please allow us 14 working days to inspect the original product. If there is no fault found, the original will be returned, and the carriage will be chargeable.

AFTERCARE & SUPPORT

Thank you for choosing the GP8000iE generator, brought to you by equip2Clean®.

If you have any questions, need support, or encounter any issues with your product, our team is here to help.

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