

Digital Inverter Generator



GT6300

OPERATING INSTRUCTIONS
PLEASE READ THIS MANUAL CAREFULLY
BEFORE USING MACHINE

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PREFACE

Thank you for purchasing our generator.

This manual covers operation and maintenance of SF1000F.

All information in this publication is based on the latest product information available at the time of approval for printing.

We reserve the right to make changes at any time without notice and without incurring any obligation.

No part of this publication may be reproduced without written permission.

This manual should be considered a permanent part of the generator and should remain with it if it is resold.

Pay special attention to statements preceded by the following words:

⚠ WARNING

It indicates a strong possibility of severe personal injury or death if instructions are not followed.

⚠ CAUTION

It indicates a strong possibility of severe injury or death if instructions are not followed.

If a problem should arise, or if you have any questions about the generator, consult an authorised dealer.

⚠ BE CAREFUL

The generators are designed to give safe and dependable service if operated according to instructions. Read and understand the Owner's manual before operating the generator. Failure to do so could result in personal injury or equipment damage.

Safety Instructions

⚠ Warning



- ◆ The generator is designed to give safe and dependable service if operated according to instructions. Read and understand this manual carefully before operating the generator, or it may cause serious injury and equipment damage.

⚠ Warning



- ◆ Exhaust contains poisonous carbon monoxide. Do not operate generator in confined area. Be sure to operate the generator in a well-ventilated environment or with an aerator. Using a generator indoors will kill you in minutes. Never use in the home or in a partly enclosed area such as garages. Only use outdoors and far from open windows doors and vents.

⚠ Warning



- ◆ The muffler becomes very hot during operating and remains hot for a while after stopping the engine. Be careful not to touch the muffler while it is hot. Let the engine cool before storing the generator indoor.
- ◆ The engine exhaust system will be heated during operation and remain hot immediately after stopping the engine.
To prevent burns, pay attention to the warning marks attached to the generator.

⚠ Be careful



- ◆ Do not parallel connect other cables to receptacles, use special jack, or it may cause an electrical shock.

▲ Warning

- ◆ Gasoline is extremely flammable and is explosive under certain conditions. Refuel in a ventilated area with engine stopped.
- ◆ Keep away from cigarette, smoke and sparks when refueling the generator. Always refuel in a well-ventilated location.

▲ Warning

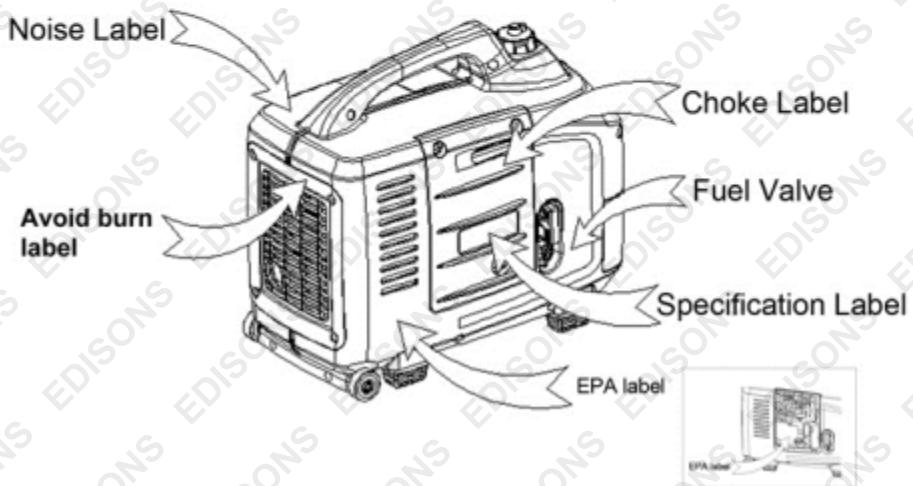
- ◆ Connection for standby power to a building electrical system must be made by a qualified electrician. The connection must isolate the generator from utility power, and must comply with all applicable laws and electrical codes. Improper connections to a building electrical system can allow electrical current from the generator to backfeed into the utility lines. Such backfeed may electrocute utility company workers or others who contact the lines during a power outage, and the generator may explode, or cause fires when utility power is restored.

▲ Warning

- ◆ To avoid accidents and equipment damage, check generation system every time before starting engine.
- ◆ Keep the generator a distance of at least 1 yard from other equipment during operation.
- ◆ Keep the generator horizontal when running. If generator tilts, fuel may leak.
- ◆ Generator operators must be trained, must know how to stop the generator quickly and understand the operation of all controllable parts. Untrained operators should not be allowed to use this equipment.
- ◆ Keep children and pets away from operation area.
- ◆ Keep away from rotating parts during operation.
- ◆ The generator is a potential source of electrical shock when misused. Do not operate it with wet hands or in any wet location
- ◆ Do not operate the generator in rain or snow and let it get wet.

Safety Label and Locations

To avoid any potential hazards associated with the use of the item, please read and understand the safety notes and warning labels in this manual.



Component Identification

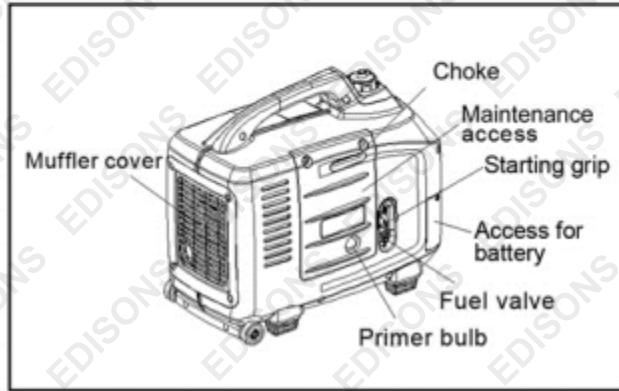
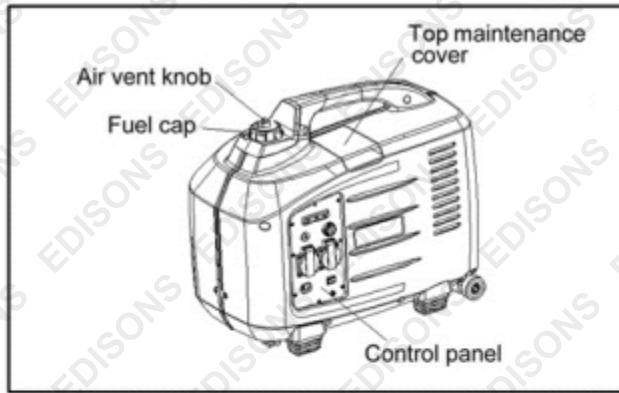
Warning



**Read this manual carefully before using the machine, for your own safety.
Your power tool should only be passed on with these instructions.**

1 COMPONENT IDENTIFICATION

- | | |
|----------------------|-------------------------------|
| 1. Fuel cap | 9. Overload indicator light |
| 2. Air vent knob | 10. Output indicator light |
| 3. Choke knob | 11. Oil alert indicator light |
| 4. Control panel | 12. Eco throttle switch |
| 5. Starting grip | 13. Engine switch |
| 6. Fuel valve grip | 14. DC socket |
| 7. Maintenance cover | 15. DC circuit breaker |
| 8. AC socket | 16. Grounding terminal |



Smart Throttle

To minimise fuel consumption during operation, the engine automatically idles when the electrical appliance is disconnected. It will return to the proper speed when the electrical appliance is connected.

⚠ Caution

- ◆ Smart throttle system does not operate effectively, if the electrical appliance requires the momentary electric power.
- ◆ When high electrical loads are connected simultaneously, turn the Smart throttle switch to the OFF position to reduce voltage vibration.
- ◆ In DC operation, turn the Smart throttle switch to the OFF position.

Pre-operation Check

⚠ Caution

- ◆ Be sure the generator is on a level surface with engine stopped before starting.

1. Check engine oil level.

⚠ Be careful

- ◆ Engine oil is a major factor affecting engine performance and service life. Using non-detergent and 2-stroke engine oils will damage the engine and are not recommended, and will void warranty!
- ◆ Use high-detergent, qualified 4-stroke engine oil, certified to meet or exceed U.S. automobile manufacturer's requirements for API Service Classification SG, SF.
- ◆ Select the appropriate viscosity for the average temperature in your area.

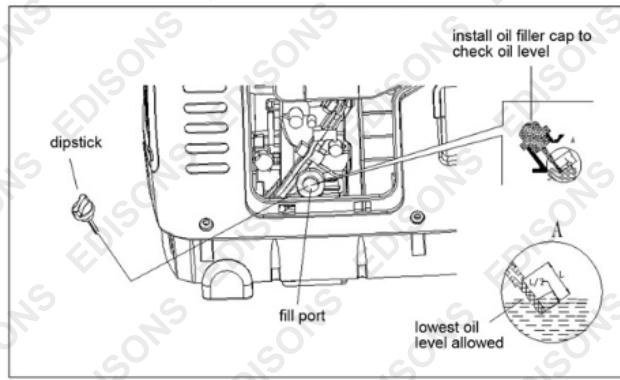
SAE viscosity grades:



- ✓ Loosen up the cover screw and remove the maintenance cover.
- ✓ Remove the oil filler cap and wipe the dipstick with a clean rag.
- ✓ Check the oil level by inserting the dipstick in the filler hole without screwing it in.
- ✓ If the oil level is below the end of the dipstick, refill the recommended oil up to its brim

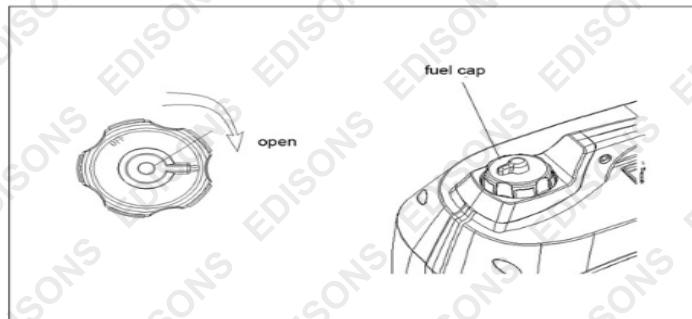
⚠ Be careful

- ◆ Running the engine with insufficient oil can cause serious engine damage.
- ◆ The Low Alarm System will automatically stop the engine before the oil level falls below the safe limit. To avoid the inconvenience of an unexpected shutdown, it is still advisable to visually inspect the oil level regularly.



2. Check the fuel level

- Use the automotive gasoline (unleaded or low-leaded gasoline is preferred to minimise combustion chamber deposits)
- If the fuel level is low, refuel until the specified amount is reached.
- Never use stale or contaminated gasoline or an oil/gasoline mixture.
- Avoid getting dirt and water in the fuel tank.
- Tighten the fuel filler cap securely after adding fuel.



▲ Note

- ◆ When transporting, turn the air vent knob to the OFF position.

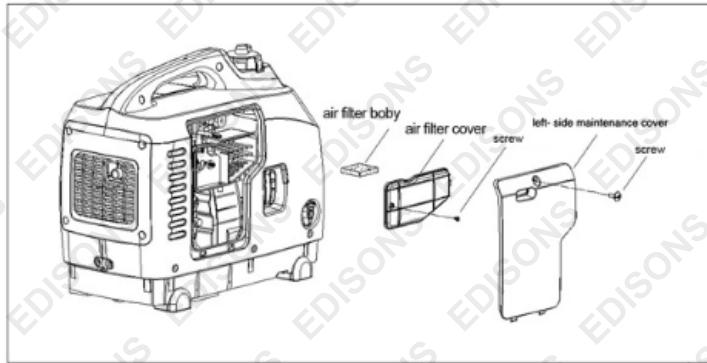
▲ Warning

- ◆ Gasoline is extremely flammable and is explosive under certain conditions.
- ◆ Do not smoke or allow flames or sparks where the generator is refueled or where gasoline is stored. Refuel in a well-ventilated area with the engine stopped.
- ◆ Do not overfill the fuel tank (there should be no fuel above the upper limit mark). After refueling, make sure the tank cap is closed properly and securely.
- ◆ Be careful not to spill fuel while filling the tank. Spilled fuel or fuel vapor may ignite. If fuel spills, wipe away until dry. Do not start the engine until area is dry and vapor free.
- ◆ Avoid prolonged and repeated contact with gas or breathing of vapor. Keep out of reach of children.

3. Check air filter

Ensure that air filter is clean and works well. Do the following:

- a. Loosen the cover screw and remove the maintenance cover.
- b. Loosen the screw under the air filter cover.
- c. Pull the air filter cover down 1.25 inches according to (a) and remove the air filter cover according to (b).
- d. Remove the air filter iron clip and element. Clean and change the air filter element if necessary.
- e. Clean or replace the air filter element after reinstalling air filter.



▲ Be careful

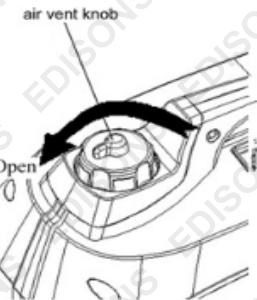
- Never operate the engine without air filter. Rapid engine wear will result from contaminants, such as dust and dirt, being drawn through the carburetor into the engine.

Normally, a pint-sized of oil may leak under the air filter box if the generator is running for a long period of time; a large amount of oil is in the engine. Wipe excess oil after each use and once generator stops working.

Start the Engine

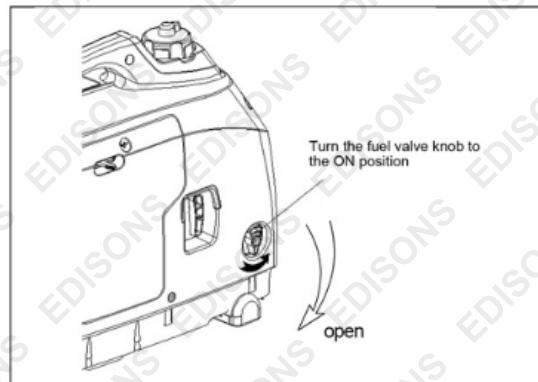
Before starting the engine, disconnect any plug from the AC socket.

- Turn the air vent knob on the fuel cap counter-clockwise.

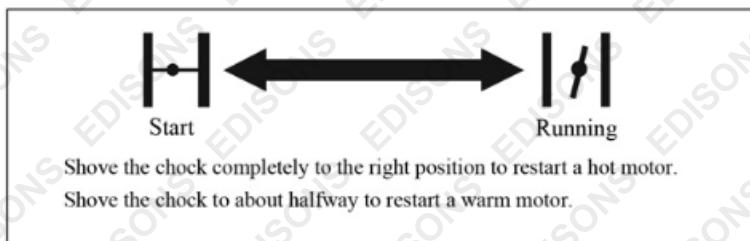
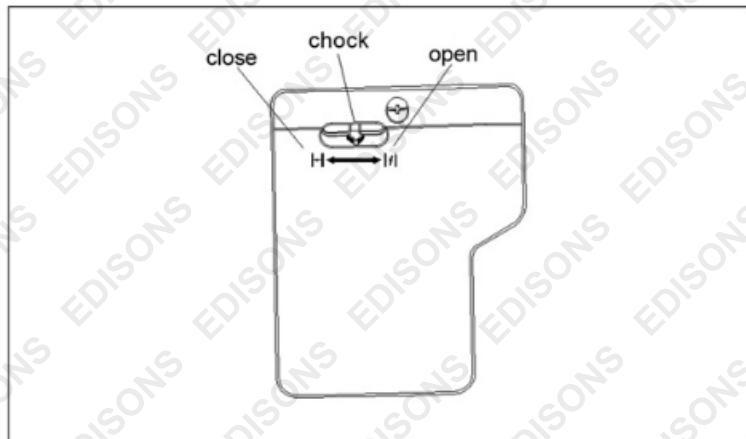


- Turn the fuel valve knob to the

ON position.



- To start a cool engine, shove the choke lever all the way to the left (start). To restart a hot engine, set the choke lever halfway.



Shove the choke completely to the right position to restart a hot motor.
Shove the choke to about halfway to restart a warm motor.

⚠ Be careful

Controlling the choke position is the key to starting the engine, it may take several practice attempts before you master the choke.

To restart a hot engine, leave the choke in the Running position. To restart a warm engine, shove the choke 1/3 or 1/2 way.

A hot engine will not start if there is too much gasoline in the cylinder. If this happens, wait 5-10 minutes before retrying. Shove the choke in completely to the Running position and the engine should start.

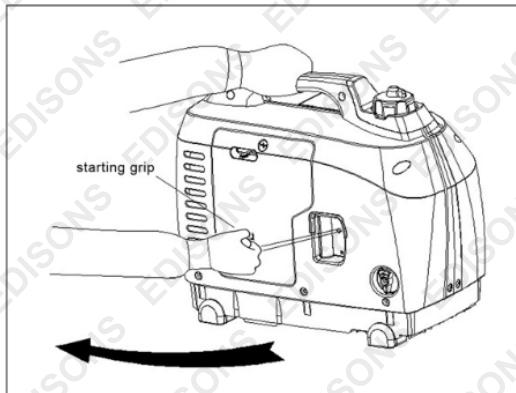
The engine will stop automatically when it is out of gasoline. Refuel accordingly to the instructions defined earlier in this manual. To restart the engine after refueling shove the choke to start position completely, then pull the starting handle 2 or 3 times so that gasoline enters the carburetor. Adjust the choke according to the above instructions.

4. Turn on the switch engine.

5. Pull the start grip lightly until resistance is felt, then pull briskly.

⚠ Be careful

- ◆ Never allow the starting grip to snap back, return it slowly by hand.
- ◆ Grasp the carrying handle firmly to prevent the generator from falling over when pulling the starting grip.

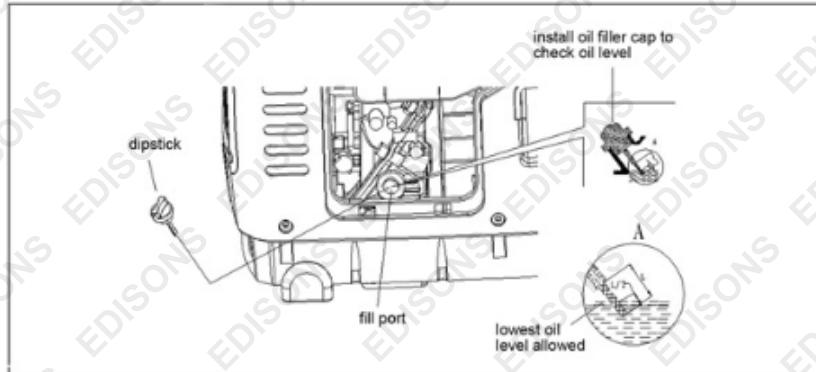


6. Once the engine starts, allow it to run continuously and warm up.

7. Shove the choke lever to running position.

⚠ Note

- ◆ If the engine stops and will not restart, check the engine oil level before troubleshooting in other areas.



High Altitude Operation

At high altitude, the standard carburetor air-fuel mixture will be excessively rich. Performance will decrease and fuel consumption will increase. High altitude performance can be improved by installing a smaller diameter main fuel jet in the carburetor and by readjusting the pilot screws. If you always operate the generator at altitudes higher than 1500m (5000 feet) above sea level, have your authorised dealer perform these carburetor modifications.

Even with suitable carburetor setting, engine horsepower will decrease approximately 3.5% for each 300m (1000 feet) increase in altitude. The effect of altitude on the horsepower will be greater than this if no carburetor modification is made.

⚠ Note

- ◆ Operation of the generator at an altitude lower than the carburetor is set for may result in reduced performance, overheating, and serious engine damage caused by an excessively lean air/fuel mixture

▲ Warning

- ◆ TO AVOID ELECTRIC SHOCK, BE SURE TO THAT GENERATOR IS PROPERLY GROUNDED. Connect a length of heavy wire between the generator's ground terminal and an external ground source.
- ◆ Connections for standby power to a building electrical system must be made by a qualified electrician and must comply with all applicable laws and electrical codes. Improper connections can allow electrical current from the generator to backfeed into the utility lines. Such backfeed may electrocute utility company workers or others who contact the lines during a power outage, and when utility power is restored, the generator may explode, burn or cause fires in the building's system.

▲ Be careful

- ◆ Do not exceed the rated power.
Total wattage of all appliances connected must be considered.
- ◆ Do not exceed the current limit specified for any one socket.
- ◆ Do not connect generator to any household circuit, otherwise, it may destroy generator or home electric equipment.
- ◆ Do not use generator for any purpose other than its intended use. Failure to follow these instructions could result in serious injury. Do not parallel connect generators or lengthen the exhaust pipe.
- ◆ Extension cords are not recommended. If an extension cable is required, be sure to use only a rubber sheathed flexible cable. (IEC245 or equivalent)
- ◆ Limit length of extension cables:60m for cables of 1.5mm² and 100m for cables of 2.5mm². Long extension cables will reduce usable power due to resistance in the extension cable.
- ◆ Keep the generator away from other electric cables or wires such as commercial power supply lines.

▲ Note

- ◆ The DC socket can be used while the AC power is in use. If you use both at the same time, be sure not to exceed the total power for AC and DC.
- ◆ Most appliance motors require more than their rated wattage for start-up

AC Power Use

1. Start the engine and make sure the output indicator (green) stays on. Ensure that all loads have been turned off and then put the plug into the socket.

▲ Be careful

- ◆ Substantial overloading that continuously lights the overload indicator light (red) may damage the generator. Marginal overloading that temporarily lights the overload indicator light (red) may shorten the service life of the generator.
- ◆ Be sure that all appliance are in good working order before connecting them to generator. If an appliance begins to operate abnormally, becomes sluggish or stops suddenly, turn it off immediately, disconnect the appliance, and determine whether the appliance has a problem, or if the rated load capacity of the generator has been exceeded.

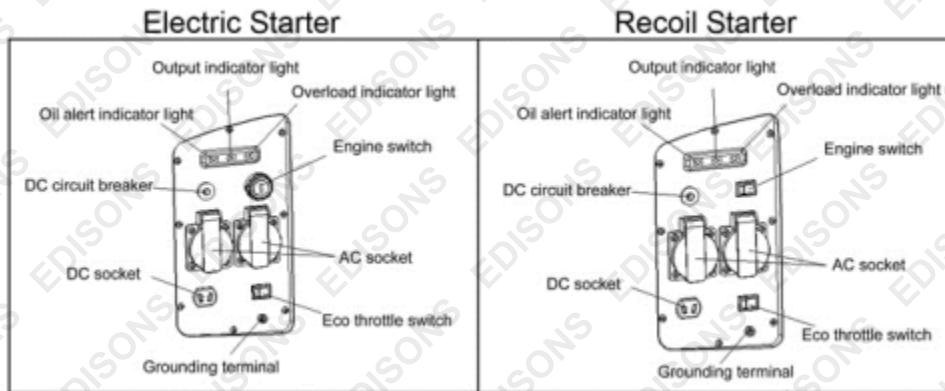
Output and overload Indicator:

The output indicator (green) will remain ON during normal operating conditions.

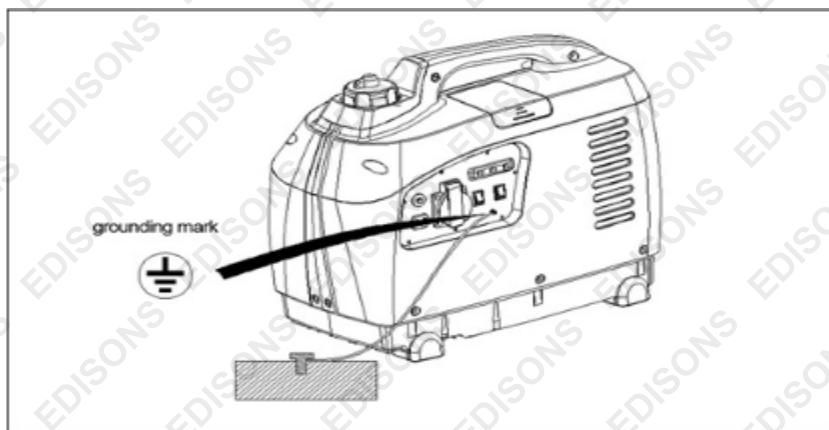
If the generator is overloaded (in excess of 1kVA), or there is a short circuit in a connected appliance, the overload indicator (red) will go on. The overload indicator (red) will stay on and the current to the connected appliance will be shut off.

STOP THE ENGINE IMMEDIATELY IF THE OVERLOAD INDICATOR LIGHT TURNS ON.

Do not restart until the reason for overloading is found.



1. Connect ground



2. Start the engine.

If the overload indicator stays on, TURN OFF THE ENGINE IMMEDIATELY. Restart the engine once the overload indicator turns off.

3. Make sure the electrical appliance is turned off before plugging it in the AC socket.

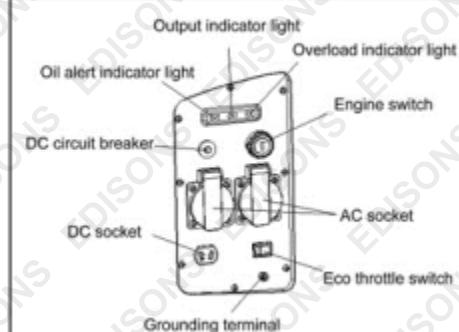
⚠ Be careful

◆ BE SURE ALL APPLIANCES ARE IN THE OFF POSITION BEFORE CONNECTING TO THE GENERATOR. FAILURE TO DO SO MAY RESULT IN SERIOUS INJURY, DEATH, AND EQUIPMENT DAMAGE. ALWAYS KEEP UNTRAINED PEOPLE, CHILDREN AND PETS AWAY FROM THE GENERATOR WHILE IN USE.

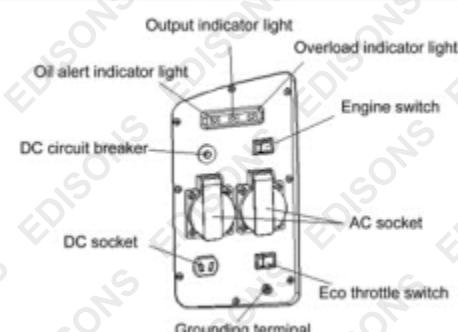
4. Turn on the equipment after output indicator (green) turns on

If there is overload or malfunction in equipment, output indicator (green) will turn off and overload indicator (red) will turn on with no power output. TURN THE ENGINE OFF IMMEDIATELY and follow the instructions above.

Electric Starter



Recoil Starter



⚠ Be careful

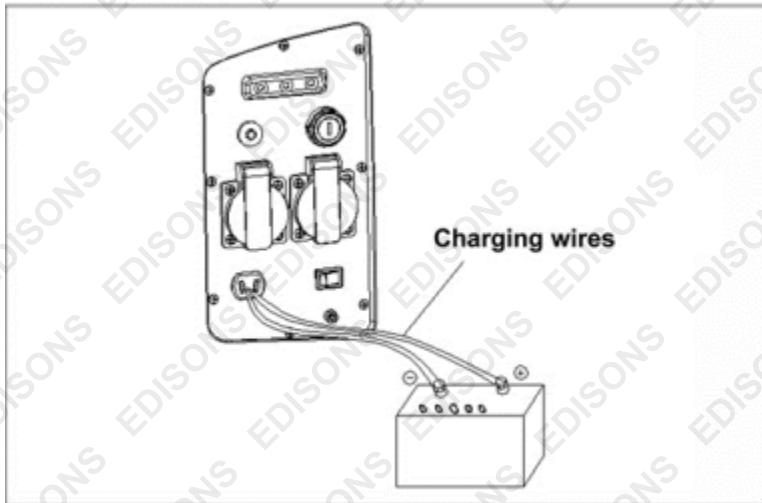
- ◆ If the equipment is an inductive load, it will need more power for starting. Overload indicator and output indicator will turn on at the same time for a short period, that's normal. Red indicator turns off but green indicator still keeps on after equipment starts.

DC Power Use

For charging 12V automotive batteries:

The generator cannot sense a sensibility load with the same power which the manual indicates. It only can sense 40% - 70%.

Example:



⚠ Note

- ◆ When using the DC output, turn Smart Throttle to the OFF position. The DC current will be below 3A if turning on the Smart Throttle without AC current output.
- ◆ When charging batteries, person must be present to monitor the voltage. Stop charging when the voltage of the batteries is above 16V. Or it may cause battery explosion, resulting in serious injury or death.

▲ Warning

- ◆ To prevent the possibility of creating a spark near the battery, connect charging cable first to the generator, then to the battery. Disconnect cable first at the battery.
- ◆ When charging auto car batteries, disconnect ground wire of the batteries first, and reconnect it after charging. This will avoid a short circuit or spark if the ground wire touches the body of auto cars by accident.

▲ Be careful

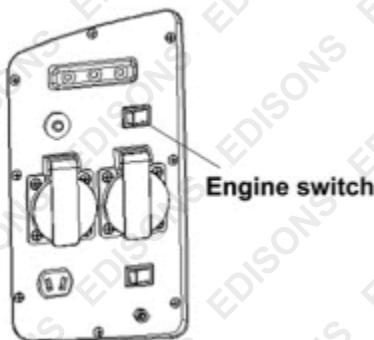
- ◆ Do not start the car when generator is connected to batteries, or it may destroy generator.
- ◆ Make sure the positive battery terminal is connected to the positive charging cord. Do not reverse the charging cables, or serious damage to the generator and battery may occur.

▲ Warning

- ◆ the battery gives off explosive gases: keep spark, flames and cigarettes away. Provide adequate ventilation when charging. Failure to do so may result in shock, property damage, fire and/or serious injury.
- ◆ Avoid body contacting with fuels, oils and lubricants used in the generator. If swallowed, seek medical treatment immediately. Do not induce vomiting if fuel is swallowed. For skin contact, immediately wash with soap and water. For eye contact, immediately flush eyes with clean water and seek medical attention.
- ◆ Keep out of reach of children, pets and untrained people.

Starting the engine

- The DC receptacle may be used while the AC power is in use.
- An overloaded DC circuit will trip the DC circuit protector. If this happens, unload the DC load before pushing in the circuit protector to resume operation.



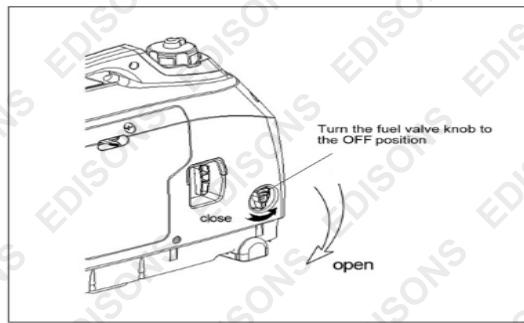
Oil alert system

- The oil alert system is designed to prevent engine damage caused by an insufficient amount of oil in the crankcase. Before the oil level in the crankcase falls below a safe limit, the oil alert system will automatically shut down the engine (the engine switch will remain in the ON position).
- If the oil alert system shuts down the engine, the oil alert indicator light (red) will come on when you operate the starter, and the engine will not run. If this occurs, add engine oil.

Stopping the engine

To stop the engine in an emergency, turn the engine switch to the OFF position. In normal use:

1. Switch off the connected equipment and pull the inserted plug out.
2. Turn the engine switch to the OFF position.
3. Close the air vent knob and turn fuel valve to the OFF position.



Understanding the Generator Display Panel

The generator features a display panel that shows you the current output and load etc.

U - The current AC voltage being produced.

F - The current AC voltage frequency being produced.

Oil - Shows "OK" if the engine oil level is acceptable. If the oil level drops below the acceptable minimum, the "OK" text is not displayed and the oil warning light (circled) illuminates red and the engine shuts down.

Time - Shows the total time that the generator engine has been running. This is for maintenance purposes as it helps you to keep track of when maintenance is required.

I - Shows the current (Amperes) being drawn from the generator.

P - Shows the power (Watts) being drawn from the generator.



Maintenance

The purpose of the maintenance and adjustment schedule is to keep the generator at its best operating condition. Inspect or service as scheduled in the table below:

⚠ Warning

◆ Stop engine before servicing. If servicing requires operating generator, be sure to operate the generator in a ventilated environment. Exhaust fumes contain the poisonous gas carbon monoxide. Carbon Monoxide is a colorless, odorless gas that, if inhaled, can cause serious injury or death.

⚠ Caution

◆ Repairs to the generator should be done by trained licensed people only.

Maintenance Schedule

Perform at every indicated month or operating hour interval.

ITEM	Maintenance Procedure	Regular Service Period				
		Each Use	Each Month 20 hours	Each Month 50 hours	Each Month 100 hours	Each Month 200 hours
Engine Oil	Check	✓				
	Replace		✓		✓	
Air Cleaner	Check	✓				
	Clean			✓ ⁽²⁾		
Spark Plug	Check & Adjust				✓	
Combustion Chamber	Clean				✓	
Valve Clearance	Check & Adjust					✓ ⁽³⁾
Fuel tank and Filter Tank	Clean					✓ ⁽³⁾
Fuel Line	Check	Every 2 years [replace if necessary as ⁽³⁾]				

(1) Normal maintenance interval.

(2) Service more frequently when used in dusty areas.

(3) The Maintenance Schedule is based on 25°C. If the temperature is above 30°C, decrease the output power or shorten the time to change oil.

Temperature	Time for Changing oil (hour)	Recommended Power Factor
25	Normal	100%
30	18	95%
35	15	85%
40	12	70%

1. Change Oil

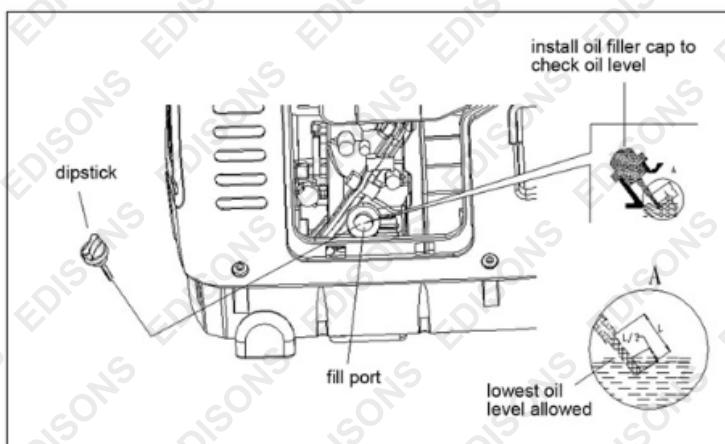
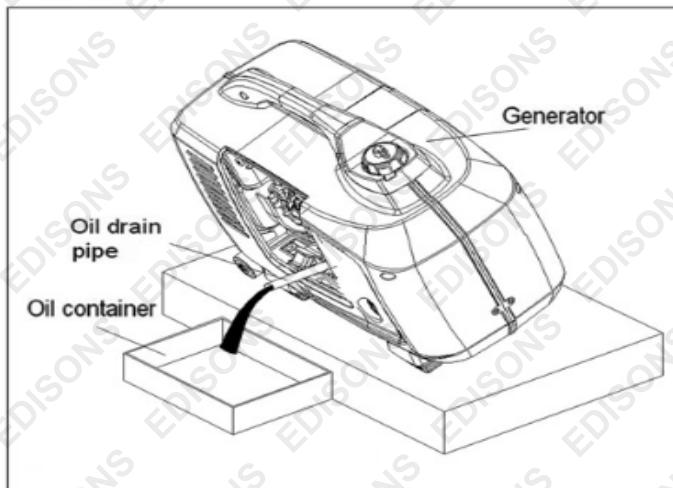
Drain the used oil while the engine is warm. Warm oil drains quickly and completely.

▲ Be careful

- ◆ Turn the engine switch and air vent knob to the OFF position to reduce the possibility of fuel leakage.

1. Place generator on elevated platform such as table or desk. A container should be prepared to store the used oil. Switch off the vacuum relief valve.
2. Unscrew the oil fill cap from the engine and set aside.
3. Attach the oil changing adapter tube (enclosed as an accessory) to the oil filter opening in the crankcase and tighten by hand. Make sure it is threaded into the opening.
4. Tilt the generator so the used oil flows out from the engine into the container. Empty the crankcase.
5. Unscrew the adapter tube, fill the crankcase with fresh oil and reinstall the oil fill cap. Clean any oil spillage before closing the access panel.

Oil tank capacity: 0.25L.



Wash your hands with soap and water after handling used oil.

▲ Be careful

- ◆ Dispose of used engine oil in a manner that is compatible with the environment. We suggest you take it in a sealed container to your local service station for reclamation. Do not throw it in the trash or pour it on the ground.

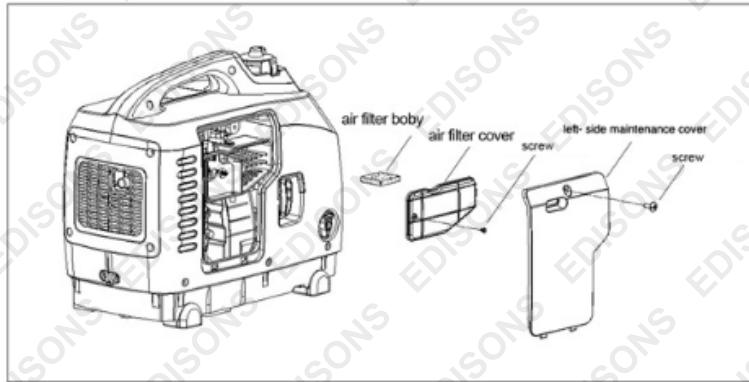
2. Air filter service

A dirty air filter will restrict air flow to the carburetor. To prevent carburetor malfunction, service the air filter regularly. Service more frequently when operating the generator in dusty areas.

⚠ Warning

◆ Do not use fuel or low flash point solvents for cleaning. They are flammable and explosive under certain conditions.

- a. Loosen the cover screw and remove the maintenance cover.
- b. Loosen the screw under the air filter cover.
- c. Pull the air filter cover down 30mm according to (a) and remove the air filter cover according to (b).
- d. Remove the air filter iron clip and check air filter element. Clean and change the air filter element if necessary.
- e. Clean or replace the air filter element after reinstalling air filter.

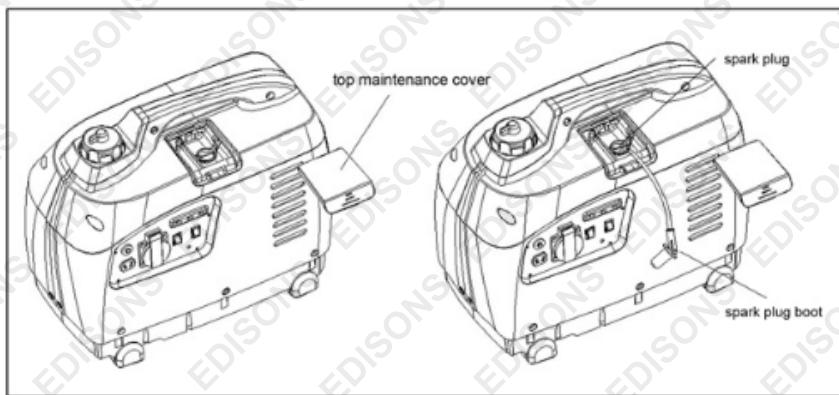


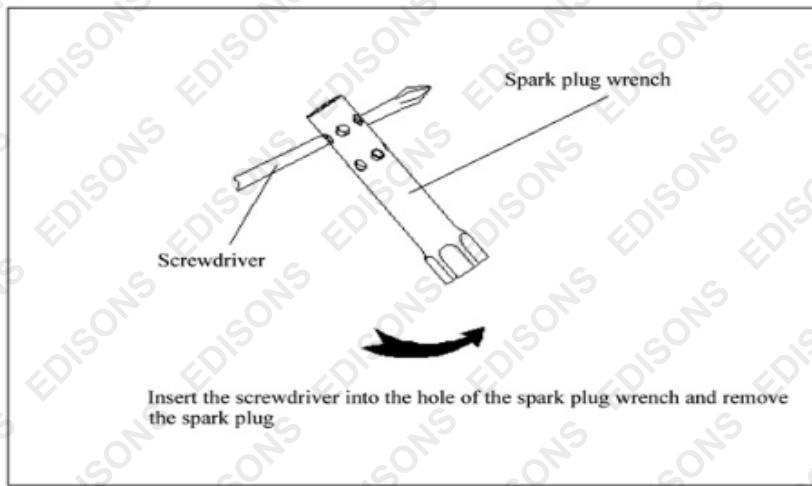
3. Spark plug servicing

Please use high quality authentic spark plug.

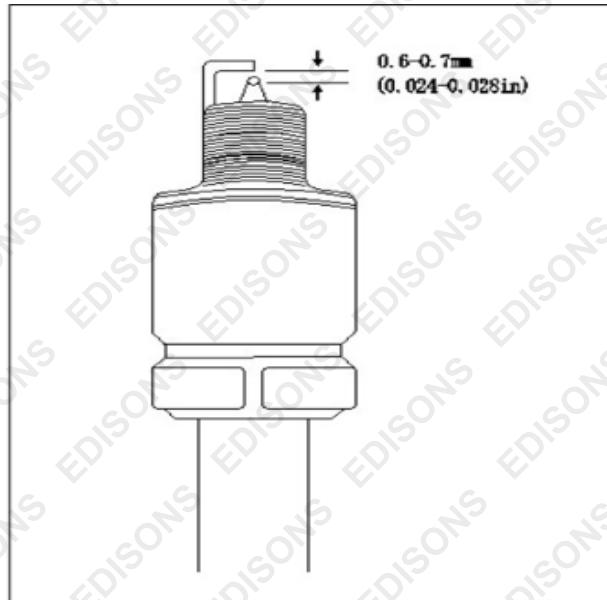
To ensure proper engine operation, the spark plug must be properly gapped and free from deposits.

1. Remove the top maintenance cover
2. Clean any dirt from around the spark plug base
3. Use a spark plug wrench to remove the sparkplug.





4. Visually inspect the spark plug. Discard it if the insulator is cracked or chipped. Clean sparkplug with a wire brush if it is to be reused.
5. Measure the spark plug gap with the plug gauge. It should be 0.6 – 0.7mm(0.024-0.028inch)



6. Install the sparkplug carefully by hand to avoid cross-threading.
7. After a new spark plug has been seated by hand, it should be tightened $\frac{1}{2}$ turn with a wrench to compress its washer. If a used plug is being reinstalled, it should only require $\frac{1}{8}$ to $\frac{1}{4}$ turns after being seated.
8. Reinstall the spark plug rubber boot on the spark plug securely.
9. Reinstall the controlling panel.

A Be careful

- ◆ Spark plug must be securely tightened. An improperly tightened plug can become very hot and possibly damage the generator.
- ◆ Never use a spark plug with an improper heat range.
- ◆ Never use a spark plug without damping resistance, or it will cause no AC output

Transportation and Storage

To avoid fuel spillage during transportation and storage, the generator should be turned off and secured in an upright position. The air vent is turned counterclockwise to the PFF position. Allow the engine to cool down completely before turning off the air vent.

⚠ Warning

When transporting generator:

- ◆ Do not overfill the tank.(there should be no fuel in the filler neck).
- ◆ Do not operate generators while it is on a vehicle. Take the generator off the vehicle and use it in a well-ventilated place.
- ◆ Avoid direct sunlight when putting the generator in a vehicle, high temperatures inside the vehicle could cause the fuel to vaporize and possibly explode.
- ◆ Do not drive on a rough road for an extended period with the generator on board. If you must transport the generator on a rough road, drain the fuel from the generator beforehand.

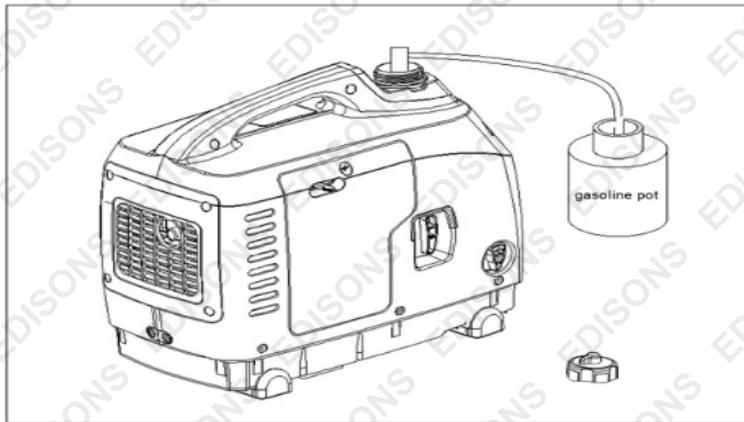
Before storing the generator:

1. Ensure the storage space is dry and clean.
2. Drain all fuel in tank.

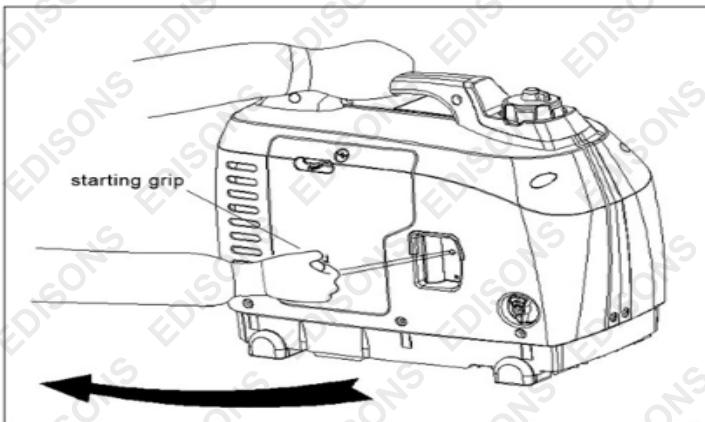
⚠ Warning

Fuel may become extremely explosive in some conditions. Do not use near open flame or other ignition sources.

1. Completely drain the fuel from the tank. Open the fuel valve, start the engine and operate it in the idle position until all remaining fuel is gone. It shuts up automatically.

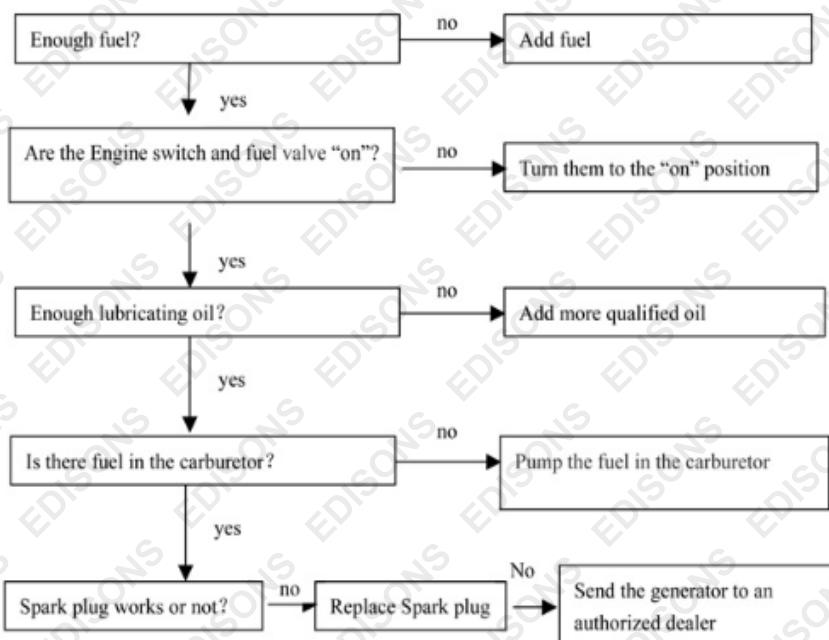


2. Discharge oil.
3. Remove spark plug and fill cylinder with 2CC's fresh oil. Pull start motor 3-4 times to discharge the remaining oil. Then reinstall the spark plug.
4. Pull the starting cord slowly until resistance is strong. At this time, the piston is moving to the top of the compression stroke, and the valves will be closed.



Troubleshooting

Engine will not start:



⚠ Note

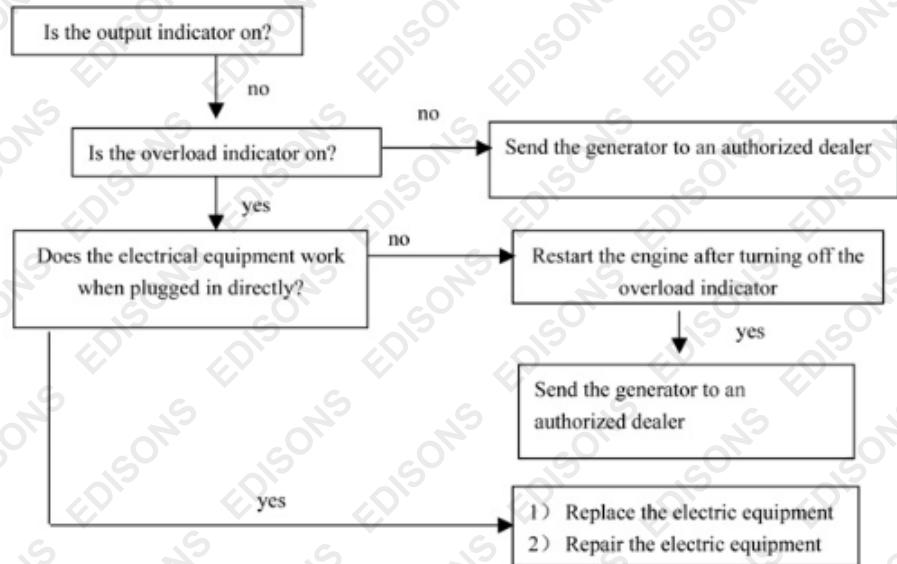
- ◆ Shake the generator several times to make the float rise if the generator cannot start after adding oil for the first time and the oil alarm indicator stays on when pulling the starting grip.

⚠ Warning

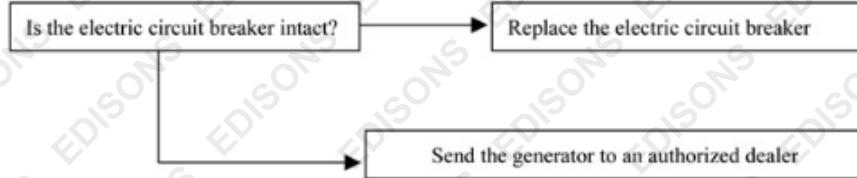
- ◆ Make sure there is no spilled fuel around the spark plug. Spilled fuel may ignite.

If the engine still does not start, have the generator repaired by a licensed repair person.

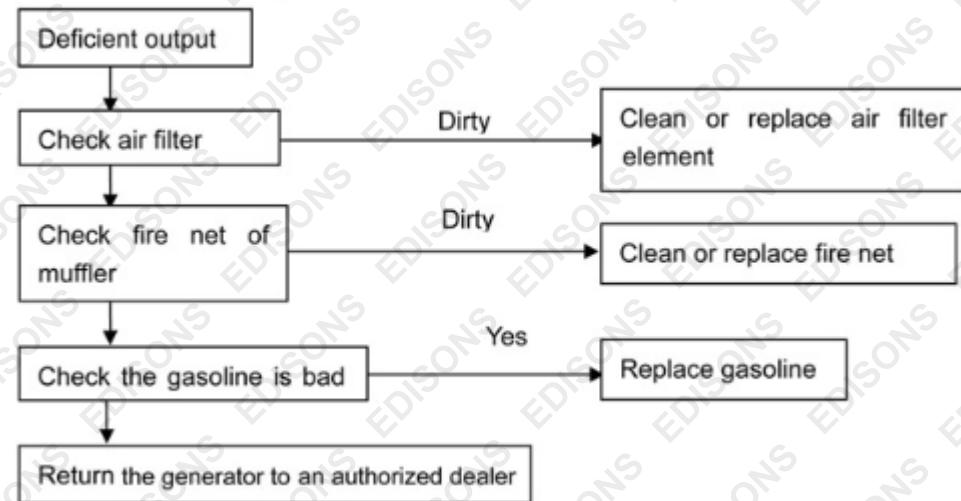
The equipment that connects generator does not start.



There is no power in the direct current electric outlet:



Deficient AC Output



Specification

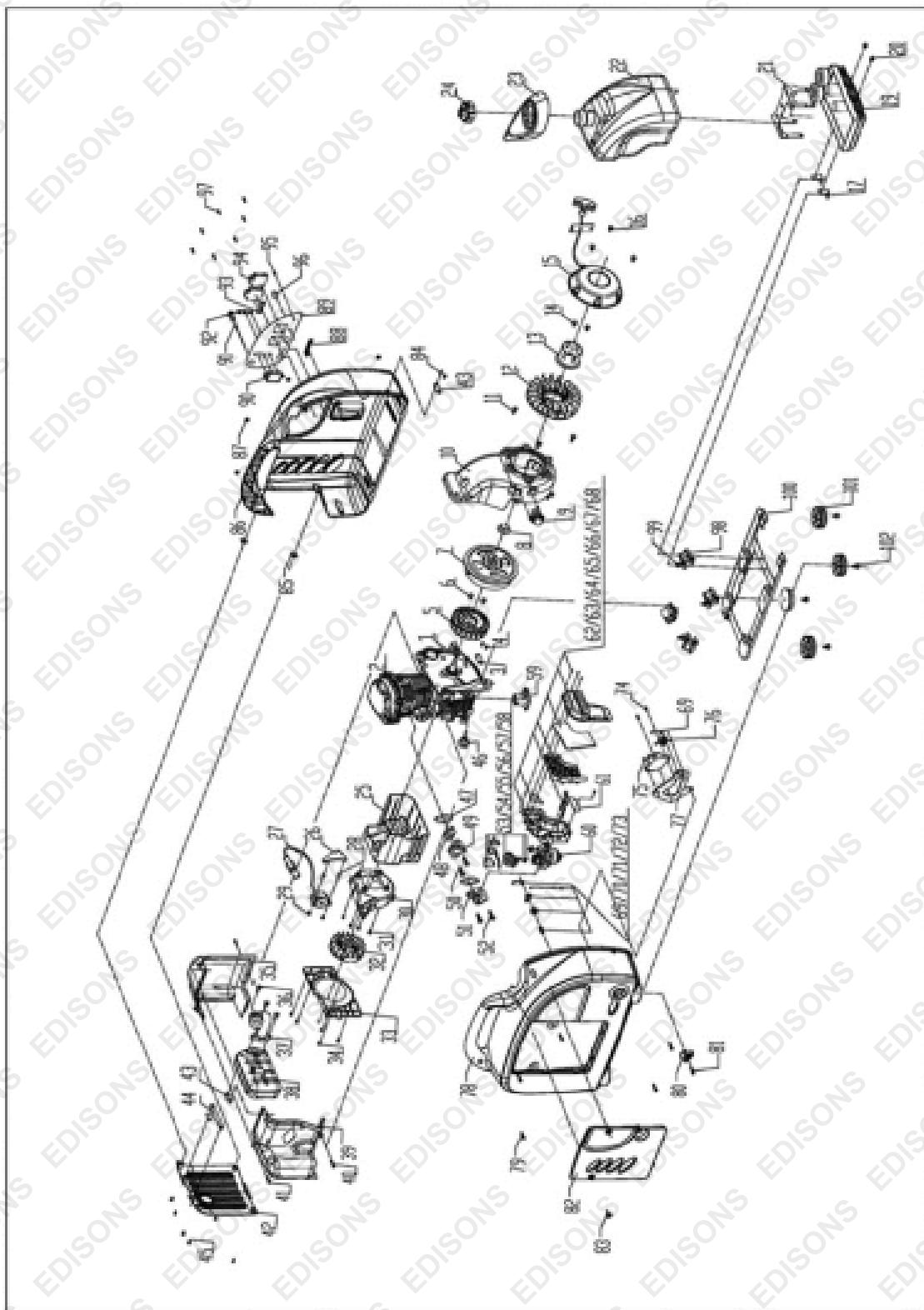
Item	GT6300
L x W x H (mm)	580*310*500
Net weight (kg)	27

Engine

Item	GT6300
Model	157F
Type	4-stroke, OHV, 1-cylinder
Displacement	150CC
Compression ratio	9.2
Engine speed	5000rpm (ECO switch is off)
Cooling system	Forced air cooling
Ignition system	T.E.I
Oil capacity	0.9L
Fuel tank capacity	7L
Spark plug	NGK
Noise level (4m)	59db

AC	Voltage	240v
	Frequency	50Hz
	Max/Peak Output@0.8cos	4.5kVA
	Rated Output @0.8cos	3.8kVA
	Max/Peak Output@1.0cos	3.7kVA
	Rated Output @1.0cos	3.0kVA
DC	Voltage	12v
	Current	8.3A

EXPLODED PARTS VIEW



PARTS LIST

No.	Name	Quantity	No.	Name	Quantity
1	Engine assembly	1	52	M6 x 20 flange bolt	2
2	Spark. Plug.	1	53	Step motor	1
3	Cable holder	1	54	Throttle frame 1	1
4	M3 x 5 screw GB/T818-2000	2	55	Throttle frame 2	1
5	Stator assembly	1	56	Throttle base	1
6	M5 x 30 flange bolt GB/T16674-1986	2	57	Throttle arm	1
7	Flywheel assembly	1	58	Step motor spring	1
8	M12 flange nut	1	59	Low oil sensor	1
9	Primer bulb	1	60	Carburetor	1
10	Motor wind cover	1	61	Air cleaner oil keeper plate	1
11	M5 x 16 flange bolt GB/T16674-1986	3	62	Air cleaner case	1
12	Flywheel fan	1	63	Air cleaner insert plate	1
13	Starter cup	1	64	M6 x 80 flange bolt	2
14	M5 x 10 flange bolt, GB/T16674-1986	2	65	Air cleaner cartridge	1
15	Recoil Starter assembly	1	66	Air cleaner element	1
16	M6 x 10 Flange blot, GB/T16674-1986	3	67	Air cleaner cover	1
17	Inverter leg	2	68	ST3 x 10 self-taping screw	8
19	Inverter Assembly	1	69	Fuel valve arm	2
20	M5 x 10 flange bolt, GB/T16674-1986	4	70	Fuel valve link bar	1
21	Inverter holder	1	71	Fuel valve cover plate	1
22	Fuel tank	1	72	Fuel valve bushing	1
23	Fuel tank sleeve	1	73	Fuel valve shaft	1
24	Fuel Cap	1	74	ST4.8 x 12 self-taping screw	2
25	Fan Cover	1	75	Vacuum pump	1
26	Ignition coil bracket	1	76	Fuel valve	1
27	Ignition coil	1	77	Vacuum pump holder	1
28	Ignition coil holder	2	78	Right shroud	1
29	M5 x 35 socket head screw	2	79	M5 x 30 screw	1
30	Flywheel cover	1	80	Fuel valve knob	1
31	M5 x 16 flange blot, GB/T16674-1986	4	81	M4 x 16 screw	6
32	Ignition flywheel	1	82	Access panel	1
33	Flywheel cover	1	83	M6 x 10 large head screw	2
34	ST4.2 x 16 self-tapping screw	6	84	M5 x 10 screw	2
35	Right engine wind cover	1	85	Nut	6
36	M6 x 30 socket head screw	4	86	Left shroud	1
37	Muffler bent tube & gasket	1	87	M5 nut	6
38	Muffler	4	89	Control panel	1
39	Left engine wind cover	1	90	Control panel case assembly	1
40	M5 x 8 flange bolt, GB/T16674-1986	4	91	Throttle cable	1
41	M5 x 12 flange bolt, GB/T16674-1986	1	92	Light cover	1
42	Muffler cover	1	93	rocker switch	2
43	Case connection plate	2	94	120V Receptacle	2
44	Rear cover junction plate	1	95	Ground terminal	1
45	M5 x 10 screw	6	96	Reset button	1
46	Oil cap / dipstick	1	97	M4 x 10 self-taping screw	7
47	Carburetor gasket, paper	2	98	Rubber engine mount	4
48	Carburetor gasket, plastic	1	99	M6 x 30 flange bolt	4
49	Carburetor connecting flange	1	100	Engine mounting frame	1
50	M6 x 25 flange bolt, GB/T16674-1986	2	101	Foot, outer shroud	4
51	Carburetor bent joint	1	102	M8 x 35 flange bolt	4



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.

