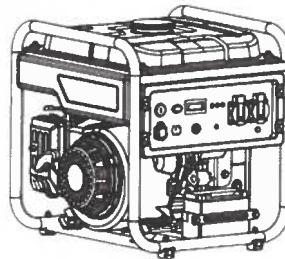


**LIFAN**

**INVERTER GENERATOR**

**Owner's Manual**

**6500iOE**



Read this manual carefully before operating this generator.

## PREFACE

Thank you for choosing a gasoline generator set by our Co.

Based on the latest technology at home and abroad, our Co. has successfully developed the gasoline generator set. The unit is characterized by advanced design, compact structure, reliable performance, convenient service, low fuel consumption and noise as well as fashion shape. With general gasoline engine as power, it is widely used in many fields such as living, open working, shop, bank, fishing, etc.

The manual gives information with respect to operation and maintenance of the gasoline generator, and be sure to read it carefully first before operating. If any trouble occurs, call your dealer who will provide you with the best after service.

All the materials and diagrams of this manual are in accordance in this manual may be a little different from the actual stares. The copyright of this manual belongs to our Co., any group or individual is forbidden to reprint or copy any it. The manual is subject to change without notice.

## Safety Warnings

Please read this manual carefully before using this gasoline generator set .

Special important contents in this manual will be indicated in the following ways, please note.

**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 will be in danger or you will be seriously injured.

**CAUTION:** Failure to follow instructions may result in minimal harm.

**NOTICE:** Failure to follow instructions may result in damage to your engine set and other property.

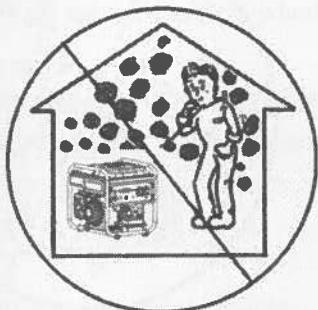
This specification is a permanent part of the gasoline generator set and should be attached when the gasoline generator set is transferred to others.

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## 1. Safety notice for gasoline generator set



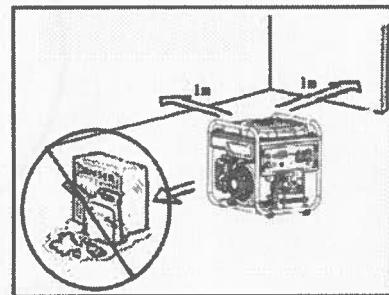
1. Never operate it in an enclosed room.



3. Do not operate it under wet circumstances.



2. Never connect to home circuit.



4. Place inflammables away from the unit at least one meter.



5.No smoking when filling fuel.



6.Always fill fuel after stopping it.



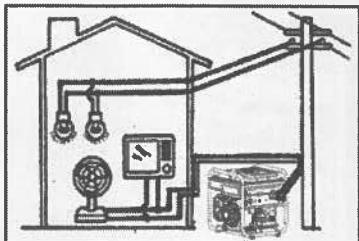
7.Do not spill out when filling fuel.



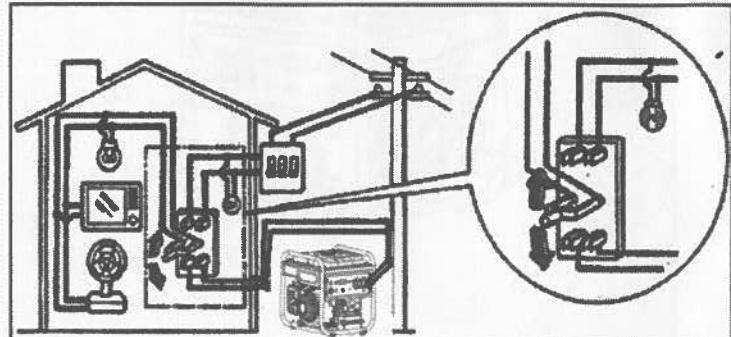
## DANGER

When connect the generator to home power supply, be sure that a skilled electrician does this job.

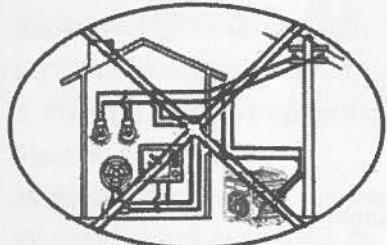
Improper connecting between the generator and loads may cause damage to the generator, even a fire.



1. Correct

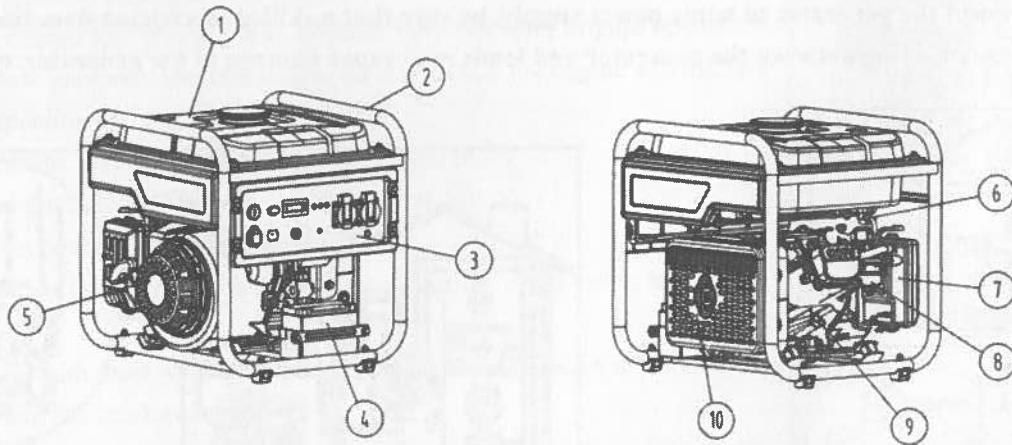


2. Correct



3. Forbidden

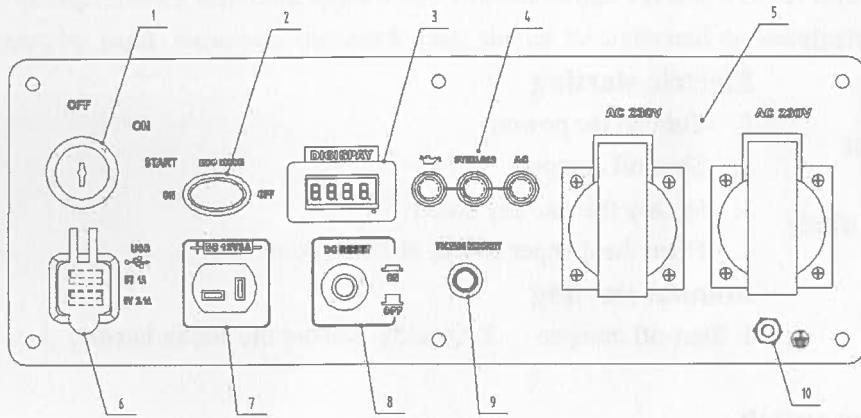
## 2. Introduction to Parts and Components



- ① Fuel tank
- ② Frame
- ③ Control panel
- ④ Battery
- ⑤ Starting handle

- ⑥ Oil switch
- ⑦ Empty filter
- ⑧ Carburetor
- ⑨ Oil rule
- ⑩ Muffler assembly

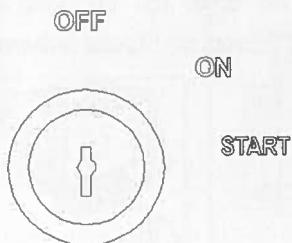
## 2. 1Control panel



- ① Start-stop switch
- ② Energy saving switch (ECO)
- ③ DIGISPLAY
- ④ Indicator light
- ⑤ AC socket
- ⑥ USB socket
- ⑦ Dc socket
- ⑧ Dc protection
- ⑨ Voltage recovery button
- ⑩ Edarth stud

### 3. Control function

#### 3.1 Start-stop switch



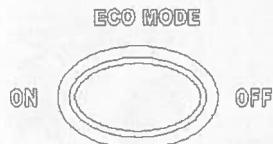
##### Electric starting

1. Turn on the power.
2. Shut-off damper.
3. Rotary the star key switch.
4. Open the damper switch after the point.

##### Manual starting

1. Shut-off damper
2. Quickly pull out the starter handle.
3. Open damper.

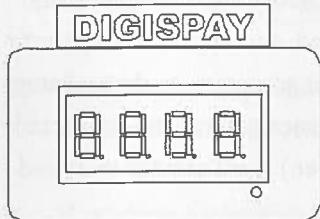
#### 3.2 Energy-saving switch



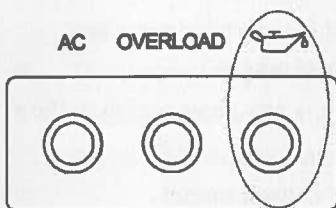
- ① "ON", when the energy saving switch is in the "ON" position, the energy saving device controls the engine throttle according to the connected load, which can achieve better fuel consumption and lower noise.
- ② "OFF", when the energy-saving switch is in the "OFF" position, the engine is running at the rated speed (3600r/min) regardless of whether the load is connected.

**NOTICE:** when using the following equipment, such as air compressor, sunk water pump, because the need for a large starting current, must turn off the energy-saving switch.

### 3.3 Digispay



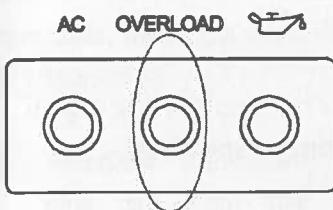
By pressing the function button in the lower right corner, the digital display can display voltage, frequency and time respectively



#### 3.4.1 Oil alarm indicator (red)

When inside the crankcase oil dropped below line, oil protection system will automatically shut off the engine, and the oil alarm indicator; Filling the oil to the oil, the engine can start again.

**NOTICE:** If the engine stalls or fails to start, rotate the power switch knob to the "running" position, then pull the start handle. If the oil alarm indicator flashes for a few seconds, the oil is insufficient. Fill in the oil and restart.



### 3.4.2 Overload alarm indicator light(red)

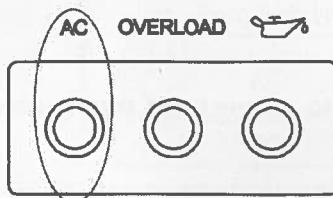
When the overload indicator lights up, the generator detects that the output of the connected load has been overloaded, causing the converter to overheat or ac voltage to rise. At this time, the ac protector works and stops the generator to generate electricity to protect the generator and the connected electrical equipment. The ac indicator light (green) is off and the overload

indicator light (red) is on, but the generator will not stop running.

When the overload indicator is on and the unit has no output, the following measures should be taken::

- 1: Close and remove the connected electrical equipment;
- 2: Reduce the total power of the connected electrical equipment to the rated output range;
- 3: Check whether there is a foreign body blocking the air inlet and whether there is any abnormality in the relevant control parts. If there is any problem, immediately eliminate it.
- 4: After check, press the voltage recovery button for 1-3 seconds to restore the voltage output.

**NOTICE:** When using electrical equipment with high starting current (such as compressors, submersible pumps, etc.), the overload indicator lights up for a few seconds at the beginning, but this is not necessarily the fault mentioned above. Overload, short circuit, overheat, engine speed is too low, will close the output, eliminate the above reasons, and then restore the output.



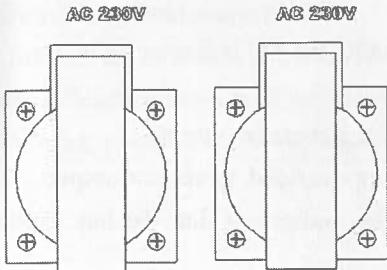
### 3.4.3 AC indicator light(green)

When the engine starts and outputs normally, the AC indicator lights on.

Indicator judgment:

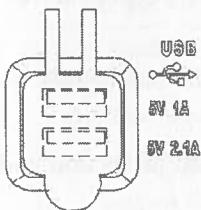
1. Green light: indicating normal operation, generator output;
2. Green light, red light flashing: indicating overload, generator output;
3. When the green light is off, the red light flashes once every 3 seconds, indicating that the bus front-end voltage is too low and the generator has no output.
4. When the green light is off and the red light flashes twice in 3 seconds, the engine speed is too low and the generator has no output.
5. When the green light is off and the red light flashes three times in three seconds, the temperature of the inverter is too high and the generator has no output.
6. When the green light is off, the red light flashes 5 times in 3 seconds, indicating that the bus voltage is too high and the generator has no output.
7. The green light is off and the red light flashes 6 times in 3 seconds, indicating overload protection and no output.

### 3.5 AC output socket



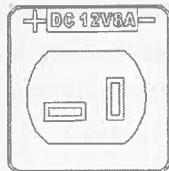
An AC output socket is a socket used to connect and supply power to a device

### 3.6 USB output socket



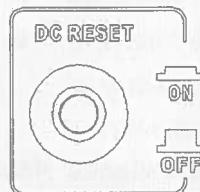
The USB quick socket outputs 1A and 2.1A, which are mainly used to charge low-voltage devices

### 3.7 DC output socket



An DC12V output socket is a socket used to connect and supply power to a device

### 3.8 DC protection



When the electronic equipment connected to the generator is running, if the rated current is exceeded, the dc switch will automatically turn to the "OFF" position. When operating the generator again, please press the dc switch to the "ON" position.

"ON" : normal dc output;

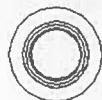
"OFF":NoDC output.

#### NOTICE:

If DC protection is off, reduce the load of the connected electronic equipment to the rated output range of the generator. If dc protection is left off, stop using electrical equipment directly and consult the dealer.

### 3.9 Voltage recovery button

**VOLTAGE RECOVERY**



When the generator overload light is on, the generator has no voltage output, but not shut down. After finding the problem, remove all the load and press the voltage recovery button to restore the voltage output.

**NOTICE:** in case of overload recovery voltage, please ensure that there is no load connection, no short circuit and other faults before pressing the recovery voltage button.

### 3. 10 Grounding (Earth) terminal



When the earthing terminal is connected to the earthing wire, the electric shock is prevented. When electrical equipment is grounded, the generator must be grounded.

## 4. Pre-use inspection

**NOTICE:** Be sure to check before each use.

After the engine starts running, the engine and the muffler become very hot. Before engine and muffler cooling, do not check and repair, please pay attention to avoid any part of the body and clothing contact with the engine and muffler.

**WARNING:**

### 4. 1 The fuel

**DANGER:** Fuel is flammable and contains drugs. Read carefully before refueling safety requirements (see page 2 for details). Don't fill up too much, or the tank will overflow when it warms up. After refueling, make sure the cap is screwed tight.

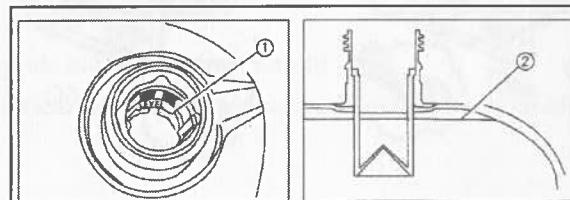
**NOTICE:** after refueling, wipe the residual gasoline with a clean and soft cloth in time to avoid damage to the plastic shell. Unleaded gasoline must be used. Leaded gasoline can seriously damage engine internal parts.

Remove the fuel tank cover and add gasoline to the shoulder of the fuel filter.

- ① red indicator bit;
- ② the oil level.

Recommended fuel: unleaded gasoline

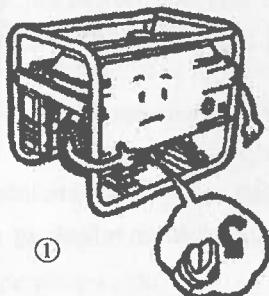
Fuel tank capacity: 10L (2.64 us gallons,  
2.20 UK gallons)



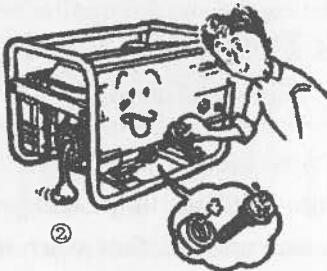
#### 4. 2 Engine oil

This generator is delivered without oil injection. Do not start the engine until sufficient oil has been injected..

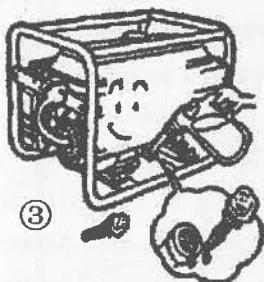
**NOTICE:** always check the generator set after closing on a flat surface.



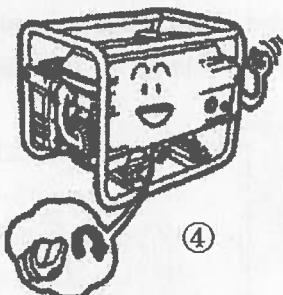
①



②



③



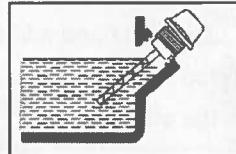
④

1, open the oil ruler, with a clean cloth to clean the oil ruler;

2. Insert the oil ruler into the oil port, and do not rotate the oil ruler at this time;

3. If the oil level is lower than the lower limit of the oil ruler, fill the oil to the upper limit of the oil ruler;

4. Tighten the oil ruler.



Recommended oil: SAE SJ 10w-40

Recommended oil grade: API standard

SE or higher

Oil capacity: 0.6l

#### 4. 3 Preparation

**WARNING:** If any of the following parts do not work properly, please carefully check and repair the engine before starting.

The user should be concerned about the state of the generator. Even if the generator is not in use, its important parts may break down suddenly.

**NOTICE:** A pre-operation check should be made every time the generator is used.

Check before use:

Fuel oil (see P13)

- Check the fuel level in the fuel tank
- Add fuel oil if necessary

Oil (see P14)

- Check generator oil level
- If necessary, add the recommended oil to the designated oil level
- Check for oil leaks

Abnormal conditions during operation

- Check running condition
- Consult the dealer if necessary

## 5. The operating

### **WARNING:**

- Do not use the generator in a confined space. The gas discharged from the generator may cause loss of consciousness or even death in a short time. Please use it in a well-ventilated place.
- Do not connect any electrical equipment before starting the engine.
- To prevent electrical misuse, be sure to ground the gasoline generator set.

**NOTICE:** The generator is not filled with oil during transportation. Do not start the engine until sufficient oil is injected.

Do not tilt the engine when adding oil to prevent excessive oil from damaging the engine.

**NOTICE:** the generator can work with rated output load under standard atmospheric conditions.

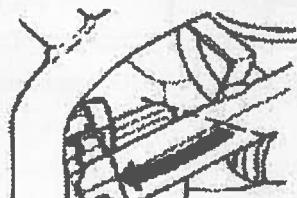
- "Standard atmospheric conditions" : ambient temperature 25°C;  
Atmospheric pressure 100kPa; Relative humidity: 30%.
- The output of the generator will vary according to temperature, height (higher altitude, lower pressure) and humidity.
- When the temperature, humidity and height exceed the standard atmospheric conditions, the output of the generator will decrease.
- In addition, when used in small Spaces, the load must be reduced because the cooling of the generator is affected.

## 5. 1 Start of generator

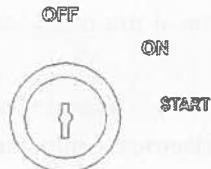
1. Set the fuel cock to "ON".



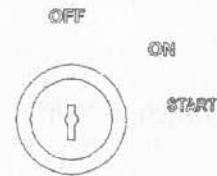
2. Push the choke lever to "OFF"



3. Press the power switch to "ON".



4. Turn the key to "start" to start the machine;  
Open throttle switch after successful start.



**NOTICE:** When the engine is a hot engine, it does not need to rotate to the "CHOKE" position when starting.

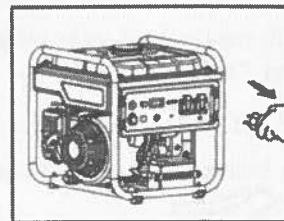
## 5. 2Stop

**NOTICE:** turn off all connected electrical equipment.

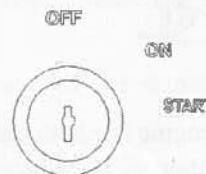
1. Turn the energy saving switch to "off"



2. Disconnect all electrical equipment



3. Turn the key switch to "Off".



## 5. 3AC connection

**WARNING:** all electrical equipment should be disconnected before the plug is inserted.

**NOTICE:**

- Ensure that all electrical equipment, including wires and plugs, are in good condition before connecting to the generator.
- Make sure all load of the generator is within the rated load range.
- Make sure the load current is within the rated current range of the rated socket.

**NOTICE:** confirm that the unit is grounded. If the electrical equipment requires grounding, the unit must be grounded.

1. Start the engine
2. Turn the ESC energy-saving switch to "on"
3. Insert the plug into the ac socket
4. Confirm that AC indicator is on
5. Turn on the electrical equipment

**NOTICE:** before raising engine speed, ESC energy-saving switch must turn to "off".

If the unit provides power for multiple loads or electrical equipment, please start from large to small according to the load size of the electrical equipment.

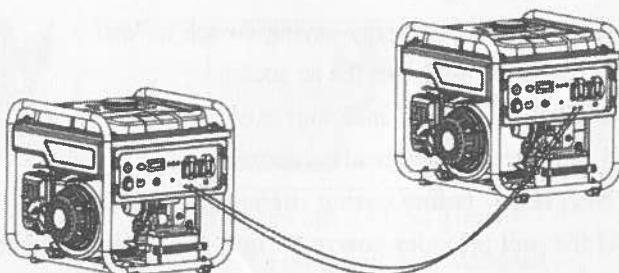
## 5. 4 AC parallel operation(match)

Before connecting a device to any generator, ensure that it is in good working condition and that its electrical rating does not exceed the total number of parallel generators. Most motors require more than their working current when started. When the motor is started, the overload indicator (red light) will go on. Normally, the overload indicator (red light) disappears within 4 seconds. If the overload indicator (red light) stops, consult your generator dealer.

When running in parallel, it is necessary to ensure that the voltage and frequency of the parallel generator are the same, and the ESC energy-saving switch of the two generators should be in the same position.

1. Provide the 6500iOE and another 6500iOE generator with its cable kit as instructed and connect the parallel operation cable.
2. Start the engine in turn to ensure that the output indicator (green light) of each generator is on.
3. Plug the device into the ac socket.
4. Turn on the device.

When the generator is overloaded or there is a short circuit in the connected equipment, the overload indicator (red light) will go on. The overload indicator (red light) will remain in the open state, and after about 4 seconds, the



connected circuit will stop, the output indicator (green light) will disappear, the generator and the device will stop working, check the problem, determine if it is due to a short circuit or overload of the connected device, correct the problem and restart the generator.

The two types of 6500iOE generators (same voltage and frequency) can be connected to each other, using a parallel cable suite to increase the available power supply.

Connect the equipment or power cord to the generator first as described in the accessories to the parallel running cable kit.

**NOTICE:**

- Make sure it is in good working condition, a wrong device or power cord may be electrocuted.
- If a device starts functioning abnormally, becomes sluggish, or stops suddenly, turn off the power immediately, disconnect the device, and determine if the problem is that the rated capacity of the appliance or generator has exceeded.
- Ensure that the electrical rating of the combined tools or equipment does not exceed that of the generator. Do not exceed the maximum limit of 30 minutes.
- The variable frequency generator set with the same voltage and frequency can be connected in parallel when the load does not exceed the total output.
- In parallel operation, only the cable kit selected by our company can be run in parallel and then the 6500iOE is connected in parallel with another 6500iOE generator.
- Do not connect or unplug parallel operating cables while the generator is running.
- For single unit operation, the cable in parallel operation must be unplugged.

**Warning:** large amount of overload, overload indicator light (red) continued to light, may damage the generator, light load overload, overload indicator light (red light) flashing light, may shorten the service life of the generator.

The maximum power required for the limited operation is: 30 minutes

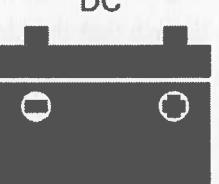
Maximum power for parallel operation: 6.6kva

Rated power for parallel operation: 6KVA, continuous operation, not exceeding rated power.

The requirement for total power of all connected equipment must be considered. The list of manufacturers of electrical appliances and power tools usually lists power ratings for similar models or serial Numbers.

## 5.5 Scope of application

Before using the generator, make sure that the total load is within the rated load range of the generator, otherwise it may damage the generator.

AC				DC
Power factor	1	0.8-0.95	0.4~0.75	

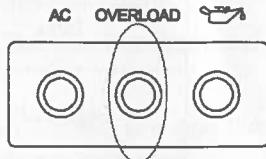
### NOTICE:

- When each device works on its own, it will display the number of application power.
- AC and DC can be used at the same time, the single total power can not exceed the rated output power.

For example:

Generator rated output		5000W
Frequently	Power factor	
AC	1. 0	≤5000W
	0. 8	≤4000W
DC	--	96W

When the total power exceeds the rated level, the overload indicator light is on (see P8).



#### NOTICE:

Do not overload, the total power of the electrical equipment cannot exceed the output power of the generator, overload will damage the generator

When using this generator to supply power to precision instruments, electronic controllers, personal computers, electronic computers, microcomputers, etc., please keep sufficient distance between the equipment and the generator to prevent electromagnetic interference of the engine. It also ensures that the engine is protected from the surrounding electronics.

If this generator is used to power medical equipment, it is recommended to consult the equipment manufacturer, professional or hospital about the amount of current required to start certain electronic equipment or general motors, which may render them unusable. Even if its startup parameters meet the conditions in the above table. Please contact the equipment manufacturer

## 6. Maintenance

Good maintenance is the best guarantee to achieve safe, economical and zero fault operation. It also contributes to environmental protection.

The user should operate the machine safely. Periodic inspection, adjustment and lubrication can ensure the safe and efficient operation of the generator.

Warning: please turn off the engine before maintenance.

Item	Routine	Pre-operation check (daily)	6 months or 100 Hr	12 months or 300 Hr
engine oil	Check the oil level	✓		
	Replace		✓ (*1)	
Fuel	Check	✓		
The fuel oil pipe	Check	✓		
Spark plug	cleaning-adjustment			✓★
Air filter inspection	Check	✓		
	Clean		✓ (*2)	
Fuel tank filter	Clean or replace if necessary			✓
Valve lash	check-adjust			✓
Spark eliminator	check-adjust		✓	
Cylinder head piston	Carbon removal			★★

★These items should be replaced if necessary

★★These items shall be maintained by the company's authorized dealers, unless the user has the appropriate tools and maintenance capabilities

**NOTICE:**

\*1-- the first oil change should be done one month before or 20 hours after operation

\*2-- air filters should be cleaned more frequently when used in damp or dusty places

- If working under high temperature or load frequently, oil should be changed every 25 hours.
- If working frequently in dusty or harsh conditions, the air filter element should be cleaned every 10 hours and replaced every 25 hours if necessary.
- The inspection period and time should be the current maintenance.
- If the maintenance cycle time has passed, should be implemented as soon as possible according to the above table maintenance.

**Warning:**

Please stop the engine before any maintenance. The engine should be placed in a horizontal position and the spark plug cap should be separated from the spark plug to prevent the engine from starting.

Do not use it indoors or in places with poor ventilation such as tunnels and caves. Make sure that the working

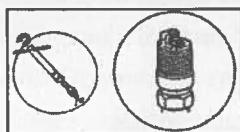
area is well ventilated. Exhaust fumes from engines contain the toxic gas carbon monoxide, which can cause shock, unconsciousness and even death when inhaled.

## 6. 1 Spark plug

1. Withdraw the spark plug cap front the spark plug



2. Dismantle the spark plug by means of a special tool.



3. Clear away carbon fouling around the spark plug.



maintenance

4. Check the spark plug gap and adjust if necessary



Standard spark plug: F6TC

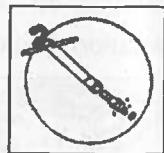
Spark plug gap: 0.7-0.8mm

Spark plug gap with a feeler or thickness gauge, and when necessary to make adjustments

5. Reinstall the spark plug and cap well.

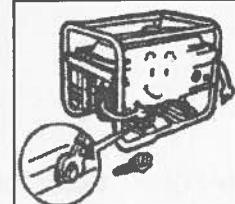
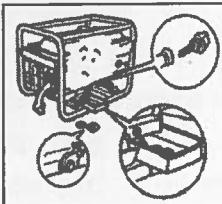
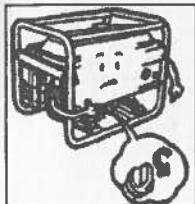
Torque : 22 N\*m

Mention: for example, when installing spark plugs without torque wrench, a better estimation method is to twist 1/4 to 1/2 turns by hand. However, the spark plug should be tightened as soon as possible to the specified torque.

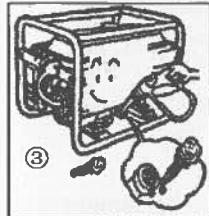


## 6. 2 Replacement of engine oil

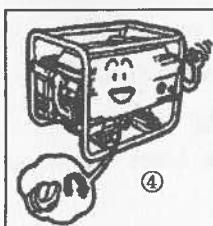
Warning: do not drain oil immediately after shutting down the generator. Oil temperature is very high, operation should be careful to avoid burns.



1. Turn and then take out the dipstick



2. Turn off the drain plug, and empty the engine oil from the crankcase.



4. Fill engine oil to the upper level mark of the dipstick.

5. Reinstall the dipstick

Engine oil: SAE 15W-40

Engine oil: CLASE SE, SF from API Service Classification or SAE10W-30 engine oil equivalent to Class SG.

Cubage: 0.6L

Note: do not tilt the machine when adding oil to prevent too much oil from damaging the power.

Do not let foreign matter into engine case.

### 6. 3 Carburetor adjustment

Carburetor is an important part of engine. Its adjustment should have professional knowledge, need to have professional information and equipment dealers to ensure the correct adjustment.

### 6. 4 Air filter

1. Remove the screw and cover plate.
2. Remove the foam core.
3. Clean the foam filter core with solvent and dry
4. Add oil to the foam filter and squeeze out the excess oil. The foam filter should be wet.

But it shouldn't be dripping oil.

Do not twist the foam filter to avoid damage

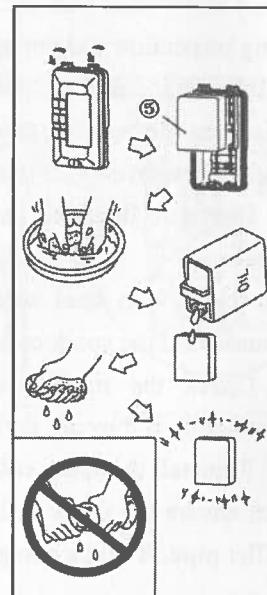
5. Place the foam element in the air filter

Mention below:

Make sure that the surface of the foam filter is close to the air filter.

Do not start the engine when the overhead filter is not in place, as excess may occur Gas and cylinder wear.

6. Return the air filter cover to the original position and tighten the screw.



7. Put back the cover plate and tighten the screw.

## 6.5 Muffler mesh and spark collector

Warning: engine and muffler may become very hot after engine operation. Do not allow your skin and clothing to directly touch the engine and muffler during inspection and maintenance.

1. Take off the screw①, take off the muffler cover②.

2. Loosen the bolt ③, take off the muffler hat ④, muffler net cover ⑤, Spark collector ⑥.

3. Use wire brush to deposit carbon on muffler mesh cover and spark collector.

Note: clean with steel wire gently to avoid damage or scratch the muffler the mask and the spark collector.

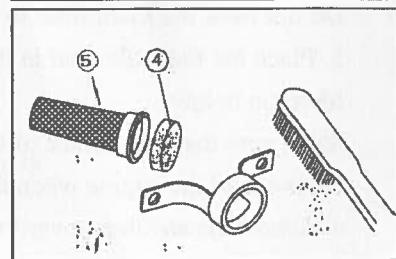
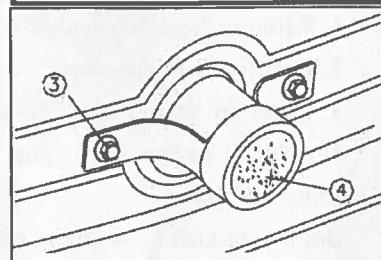
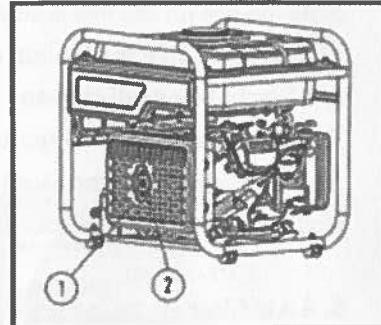
4. Check the muffler screen and spark collector and replace them immediately if they are damaged.

5. Reinstall the spark collector..

Note: ensure the spark collector's protrusion point and the small hole of the muffler pipe, It's on a straight line.

6. Put back the muffler net cover and muffler cap.

7. Put back the muffler cover and tighten the screw.

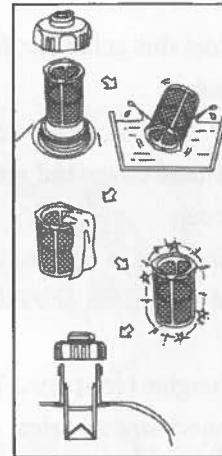


## 6.6 Fuel tank filter

**Warning:** do not use gasoline where there is smoke or flame.

1. Remove fuel tank cover and filter.
2. Clean the fuel tank filter with gasoline.
3. Dry the strainer and put it back in the fuel tank.
4. Put back the fuel tank cover.

**NOTICE:** screw the lid on rightly.



## 7. Storage

If you plan to store this generator for a long time, you need to take some storage measures to prevent aging.

### 7.1 refueling fuel

1. Turn OFF the three-in-one combination switch knob.
2. Open the tank cover and remove the filter. Take all the fuel from the tank into the special tank and put it back in the tank cap.

**Warning:** the fuel tank is highly volatile and toxic. Please read the safety instructions carefully (see page 1).

Note: clean and soft cloth should be used in time to wipe away the spilled oil. Prevent damage to plastic enclosures;

3. Start the engine (see page 17), and after about 20 minutes, shut down completely with fuel.
  - Do not connect any electrical equipment
  - The running time of the engine depends on the fuel remaining in the tank
4. Remove the screw and cover plate.
5. Loosen the oil release bolt on the carburetor and put the fuel in the carburetor into the special tank.
6. Turn the three-in-one control switch to the “choke” .
7. Tighten the drain bolt.
8. Put back the cover plate and tighten the screw.
9. After the engine has cooled completely, close the vent knob on the tank cover.

### 7.2 Engine storage

Follow the steps below to protect the box, piston ring and other corrosion-prone parts.

1. Remove the spark plug, pour in a spoonful of SAE10W40 oil, replace the spark plug, and pull the hand-pull starter (close the combination switch) for a few minutes to lubricate the cylinder block with the oil
2. Pull the hand-operated starter until you feel the tension (prevent the cylinder body and valve from rusting)
3. Clean the surface of the unit, rotate the unit in a ventilated and dry place, and cover it with a condom;

## **8 Troubleshooting**

The engine won't start

### 1. Fuel system

There is no gasoline in the combustion chamber

No fuel in the tank... Come on;

There's oil in the tank... Verify that the vent knob is open;

Clogged fuel filter... Clean fuel filter;

Carburetor blocking... Clean carburetor;

### 2. Oil system

insufficient

Oil level is too low... Filling the oil

### 3. Electrical system

Combination switch to "choke off", hand pull starter normal... Spark plug no ignition

Spark plugs have deposits of carbon or moisture...

Clean and dry spark plugs

Ignition system problem... Please contact lifan distributor

The generator has no voltage output

Safety device (dc protector) in "OFF" position...

Press the dc protector to be in the "ON" position.

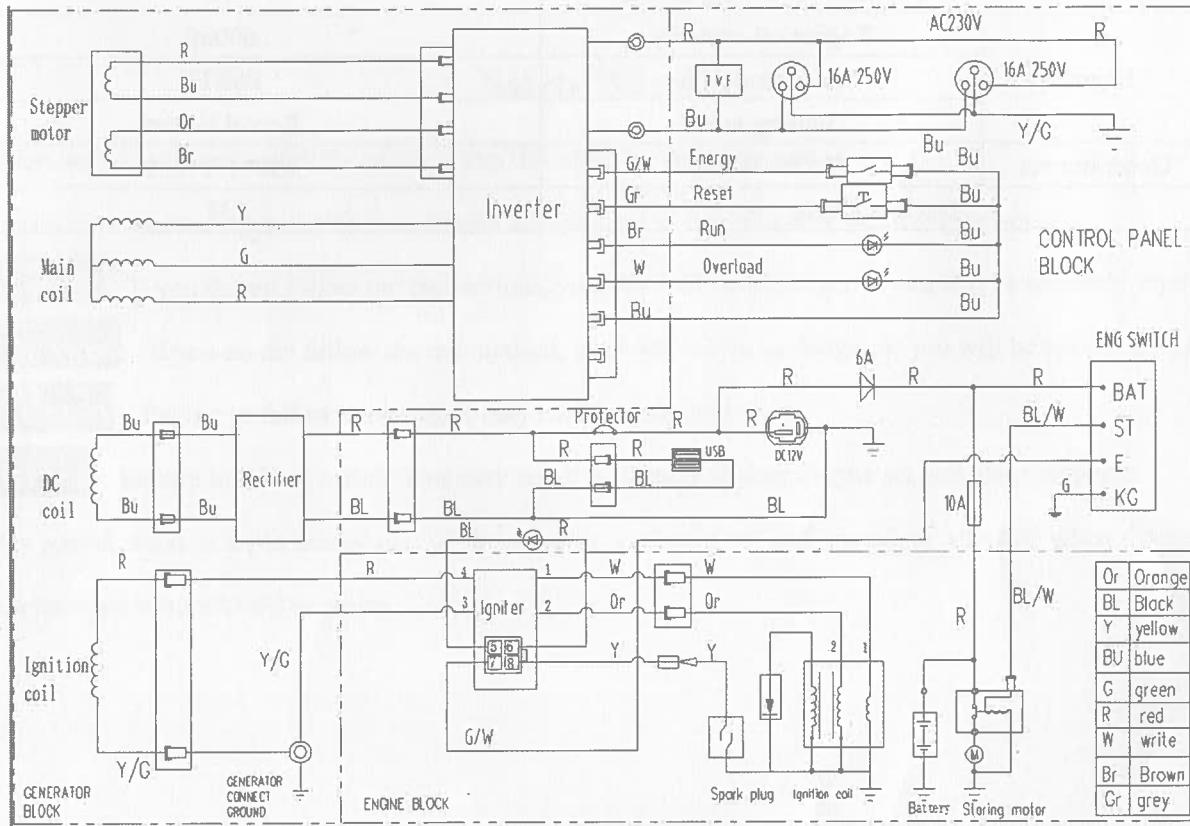
Ac indicator light (green) off... Stop the engine and restart. Or press the voltage recovery button for 1-3 seconds to restore the voltage output.

## 9 Parameters

Model No.		6500iOE
Generator	Type	Inverter
	Rated frequency/Hz	50/60
	Rated voltage/V	220/230/120V/240
	Rated output power/Kw	5.0
	Max. output power /Kw	5.5
	Power factor	1
	DC output /V-A	12V-8A
	AC output quality	ISO8528 G2
	THD/%	3
	Noise /dB	80
Overload protect	Overload	DC
	protect	AC
		Non-fuse protector
		Control by inverter overload protect program
Engine	Engine	170F-2D
	Engine type	Single cylinder,4-stroke,forced air cooling, OHV
	Displacement/cc	223
	Fuel type	Unleaded gasoline
	Fuel tank capacity/L	15

	Continue running time/h	5.5
Engine	Engine oil capacity	600ml
	Spark model No.	F6RTC
	Starting mode	Recoil/E-start
	L×W×H/mm	450*475*500
	Net weight/Kg	38

## 10 Wiring diagram -230V 50Hz



120V/240V 60Hz

