

GC4000+ Auto Super Charge Station

User Manual

Version 1.0 EN

To Users

Thank you for choosing XAG products.

For safety purposes and to ensure the best experience possible, XAG recommends reading through the User Manual and Disclaimer contained in this document before attempting to use the GC4000+ Auto Super Charge Station.

Contact Us

If you have any questions about this document, please contact our Technical Support via email: info@xa.com

Product Profile

The XAG™ GC4000+ Auto Super Charge Station (Charging Station for short) consists of the following major components: Station frame, Fuel tank, Engine assembly, Engine controller, and the Charging controller (including operation panel). The Super Charge station is able to convert chemical energy into electrical energy, providing the necessary charging of XAG's Smart Batteries when there is no accessible electricity in the field

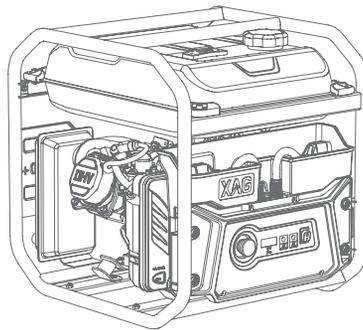
XAG™ GC4000+ Auto Super Charge Station is designed to provide a rated charging power of 3400W for simultaneous charging of two batteries, charging current is automatically adjusted depending on the Smart Battery model.

To ensure the reliability and safety of the equipment in the complex environment of the field, GC4000+ Auto Super Charge Station also have the Real-time Statistics of fuel level and usage and remind users when repairs and maintenance are needed. Featuring protection from overheating, short circuiting, overcurrent, and overvoltage.

List of Items

When unpacking the product, please carefully check that all the items listed below have been included.

Please contact your dealer if there are any missing items.



XAG™ GC4000+ Auto Super Charge Station
X1



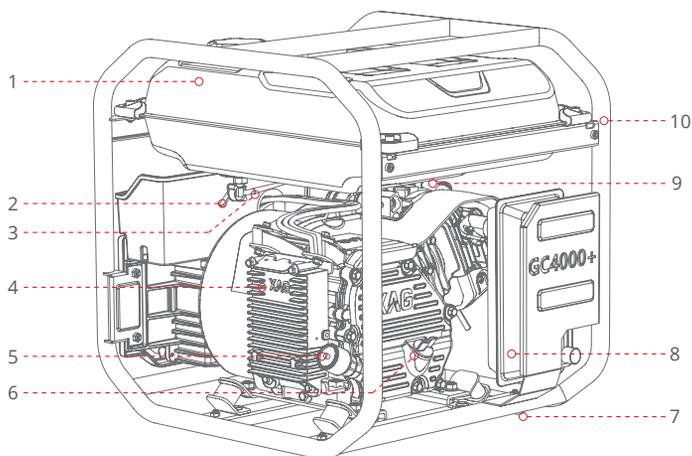
10W-40 Engine Oil, 600mL
X1



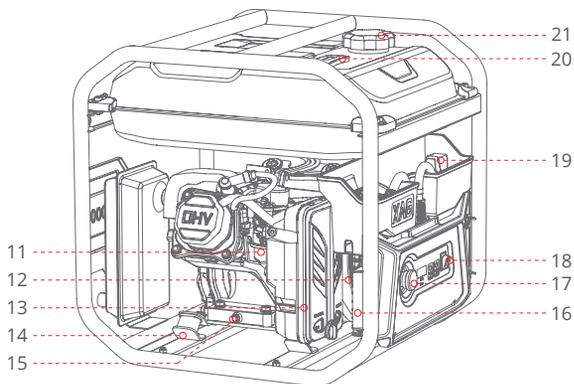
Funnel
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Understanding the GC4000+ Auto Super Charge Station

Structure

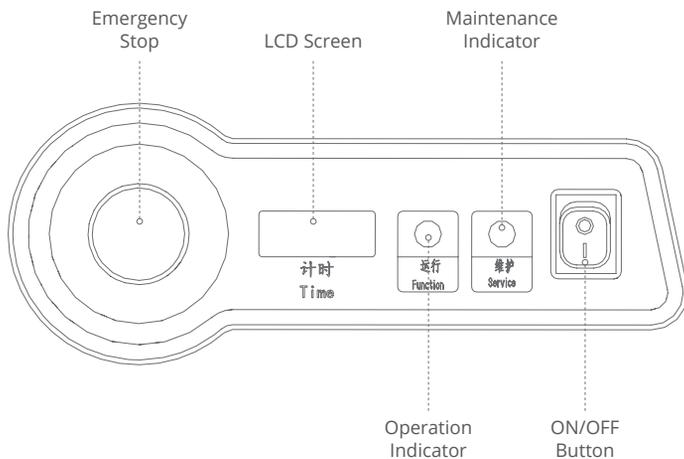


1. Fuel Tank
2. Fuel Switch
3. Fuel Tube
4. Generator Control
5. Oil sensor
6. Engine Oil Gauge
7. Shock-Absorbing Block
8. Muffler
9. Spark Plug
10. Frame



11. Carburetor
12. Generator Fairing
13. Air Filter
14. Generator Cushion
15. Engine Oil Drain Screw
16. Charge Controller
17. Emergency Stop switch
18. ON/OFF Button
19. Charge Port
20. Fuel Observation Window
21. Fuel filler cap

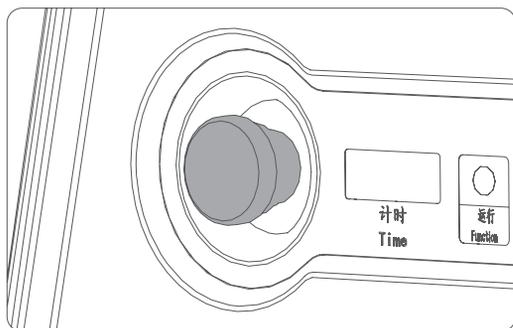
Control Panel



Emergency Stop Switch

Before using the device, please make sure that the red emergency stop switch on the left side of the control panel is in the pop-up state (Turn the emergency stop switch clockwise, the switch will pop up).

In the event of Emergency, press the emergency stop for immediate shut down of the Charging Station.



LCD Display

The LCD display alternately displays the cumulative running time of the equipment and the time for the next oil change (3s Interval). If there is a fault, the LCD screen will only display the fault code. Check the meaning of the fault codes in the table below:

Fault Codes	Descriptions	Solutions
E1	Low Engine Oil	Refill Engine Oil
E2	Replace Engine Oil	Replace Engine Oil
E3	Over-Heat Protection	Shutdown for 10min for cooling
E4	Over-Current Protection	Check the Battery Connector for <ul style="list-style-type: none"> • Short circuits • Liquid • Battery
E5	Over-Voltage Protection	<ul style="list-style-type: none"> • Replace battery to troubleshoot battery problems • Check and ensure the variety and quality of the fuel
E6	Abnormal Battery connection	Check Charger Cables Check Charger Adapter Check Charger and Battery Socket Check Battery
E7	Fail to Start	Restart Equipment
E8	Charge Controller Malfunction	DO NOT USE, and Contact After-sales Support

LCD

Status Type	LED Light Indicator	Description
Operation Indicator	Green Light (ON)	 Idling
	Green Light (Flash)	 Charging
	Green Light (OFF)	 Powering OFF
Maintenance Indicator	Red Light (ON)	 Fault Detected Refer to Fault code for troubleshooting Fault Code can be dismissed by switching the ON/OFF button 3 consecutive times
	Red Light (Flash)	 Reminder of Engine Oil Inspection (8hr Operation) Flashing Notice can be removed by turning OFF the device for 3min
	Red Light (OFF)	 Normal

Using the XAG™ GC4000+ Auto Super Charge Station

XAG™ GC4000+ Auto Super Charge Station is designed specifically for the charging of XAG Smart Battery, and it shall not be used for other purposes.

For compatible Batteries (Models coded B*****S ending with "S"), the batteries require approximately 12 minutes for a full charge under normal operating conditions.

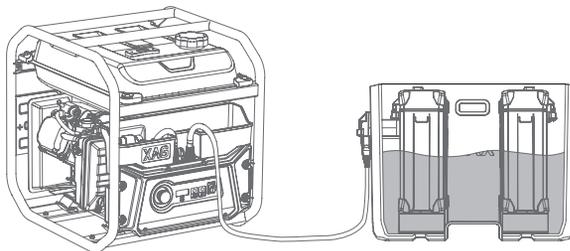
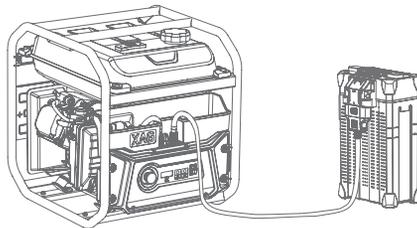
For other XAG Battery not compatible for Super Charge, the charging time is depended on the maximum current allowed by the battery.

Note

The default charging adapter of XAG™ GC4000+ Auto Super Charge Station is only applicable for the XAG B13960S Smart Battery. If you need to use this product for other B-Series batteries, please contact your nearest distributor for the appropriate adapters.

CHECK :

Before using the device, please make sure that the fuel switch is turned on and the red emergency stop switch on the left side of the control panel is in the pop-up state. After confirmation, connect the charging adapter to the smart battery that requires charging.



Turning the Charging Station ON

1. Turn ON the Battery,
2. Turn ON the Switch button (Right side of the Control Panel)

The charging station will start up and enter the normal working mode

Note

IF the ignition fails, the red maintenance indicator will light up, turn the switch OFF and ON again, and the overcharge station will re-ignite and should start.

IF the ignition fails after several attempts,

1. Turn OFF the Switch, and the Battery
2. Perform inspection of the Charging Station
 - a. Ensure sufficient fuel
 - b. Check Charge Controller
3. After troubleshooting the Charging Station
4. Turn ON the Battery,
5. Turn ON the Switch button on Charging Station Control Panel

The charging station will start up and enter the normal working mode

IF the Switch is ON, but the Charging Station is in shutdown state

1. Connect and Turn ON the Battery
2. Re-execute the Off and ON switch button on Charging Station Control Panel to reactivate the charging operation

Charging Station Operation

Under normal operating conditions, when the Battery is connected and turned ON, the Charging Station will start charging automatically

IMPORTANT:

- IF you need to disconnect or turn off the Battery during the charging process, please ensure that the Charging Station is turned OFF
- Disconnecting or turning off the battery without turning off the Charging Station may cause overvoltage protection and Charging Station shutdown.

Turning the Charging Station OFF

Manual Shutdown

- Turn OFF the Switch or
- Press the Emergency Stop switch

Automatic Shutdown

- After 1 minute of idling after battery is fully charged
- After 1 minute of idling when the battery is disconnected or turn off the battery during the charging process
- Insufficient Engine Oil

Maintenance

1. The Engine oil label is 10W-40 will a maximum volume of 600ml per filling each time. Too much or too little may cause the overcharging station to fail to start normally.
2. 1st Service (Maintenance and oil replacement) of the Charging station is 20 hours of cumulative operation, and the engine oil should be changed
3. Every 50hours of cumulative operation, replace Engine oil
4. Every 100hours of cumulative operation, air filter element needs to be cleaned.
5. Every 500hours of cumulative operation,
 - a. Replace the spark plug
 - b. Replace the air filter
 - c. Re-adjust the valve clearance.

Recommendation:

- Regularly check for the condition of the fuel pipe and replace the pipe if it is found to be hardened or cracked
- Maintenance interval should be appropriately shortened in harsh operating conditions

Technical Specifications

Model Name:	GC4000+
Number of Cylinders	1
Diameter of Cylinders	70mm
Piston Stroke	58.5mm
Compression Ratio	8.5:1
Total Displacement	223cc
Rated Output	3400 Watts
Max Output	5100 Watts
Air Intake	Natural respiration
Ignition	Spark Ignition
Start Method	Electrical
Engine Oil Capacity	600ml
Fuel Tank Capacity	15L
No-Load Speed	3200rpm
Insulation Class	B Class
Nose Level	≤88dB (A) @1M
Pollutant Emissions	GB Stage II
Service Life	>1000 hrs
Net Weight	31.5 kg
Dimensions (LxWxH)	482mm * 417mm * 475mm
Fuel Type	Unleaded Petrol
Fuel Consumption	≤0.6L/KW.h (25 °C , 0 altitude, 92# unleaded gasoline under national standards @ 3.4KW charging power)

Notes

- Comply with local laws and regulations, do not disturb the people, do not discard waste engine oil at will, and jointly protect the natural environment.
- When you using the equipment for the first time, the equipment must be filled with engine oil before use.
- Keep away from any flammable and explosive materials and ensure the Charging Station is OFF when refilling fuel or engine oil.
- Keep away from any flammable and explosive materials when charging, and ensure that someone is on duty and monitoring at the charging site.
- It is prohibited to use this device for charging near or within the Vehicle, Indoor or closed environment with poor ventilation.
- It is prohibited to expose the Charging Station outdoor in the sun or rain.
- It is prohibited to modify, disassemble or reassemble the equipment, user will be responsible for any accidents caused by modifying the equipment for other purposes.
- It is prohibited to operate the Charging station on slopes > 10°, please keep the Charging station level.
- It is prohibited to refill of unsuitable or unqualified fuel, please ensure the variety and quality of the fuel.
- It is prohibited to use running water or other liquids to wash the Charging Station, as the equipment is not waterproof.
- It is prohibited to use the Charging station for non-XAG Smart Batteries. The Charging Station can only be used to charge Batteries manufactured by XAG. XAG will not be liable for any loss, whether such loss is direct, indirect, special or consequential, suffered by any party as a result of their improper use of the Charging station, the user will be solely responsible for any damage that results from such activities.
- It is prohibited to touch the muffler of the Charging Station during the operation as the muffler is hot and may cause burn. It is recommended to let the muffler cool down before transporting.
- It is prohibited to connect or disconnect the Charging plug when the battery is ON.
- Please perform inspection for possible engine oil or fuel leakage before use, and regular inspection every 8 hours for the status of the Engine oil.
- Please keep the charging adapter clean and dry, and avoid chemical, liquid or other foreign objects attaching on the conductive contacts of the battery connector. If the conductive contact piece has dirt or liquid, it must be cleaned immediately.
- Please disconnect the battery before troubleshooting and repair of the Charging Station.
- Do not fill the fuel tank and engine oil tank with diesel, water or other liquids, otherwise the equipment will not be able to start or be damaged. User will be solely responsible for any damage that results from such activities.
- All performance parameters of this equipment are measured below 1000 meters above sea level. If the device is used at an altitude higher than 1000 meters, attention should be paid to heat dissipation, as the thin air will cause the power to drop.
- Occasionally there will be a Blasting in the exhaust pipe during the ignition of the engine, which is a normal phenomenon and does not affect the normal use of this equipment.

Disclaimer

1. Please read this document carefully before using this product. This Disclaimer has an important impact on the safe use of the product and your legitimate rights and interests. The use of the product shall be deemed as you have known, understood, acknowledged, and accepted all terms and contents of this document.
2. This product is not a toy and is not suitable for children under the age of 18. Keep away from the reach of Children, and be careful when operating in presence of Children
3. XAG™ GC4000+ Auto Super Charge Station can only be used to charge Batteries manufactured by XAG. XAG will not be liable for any loss, whether such loss is direct, indirect, special or consequential, suffered by any party as a result of their improper use of the Charging station, the user will be solely responsible for any damage that results from such activities.
4. Please install and use this product as guided by the “Product Manual/Operation Manual”. Do not modify or disassemble the product without authorization. All losses caused by the user’s unauthorized modification or disassembly of this product shall be borne by the user, while XAG will not be liable for any corresponding legal responsibility.
5. To the maximum extent permitted by law, XAG shall not be liable for any and all losses caused by users' failure to use the product in accordance with this document and the “Product Manual/User Manual”
6. To the maximum extent permitted by law, XAG’s liability or amount under any circumstances to you for all damages, losses, and litigation arising therefrom will not exceed the amount paid to XAG by you for the purchase of the product.
7. In any case, the purchaser or user shall abide by the relevant laws and regulations of the country and region where the product is used. XAG does not assume any liability arising from violation of relevant laws and regulations by the purchaser or user.
8. As laws in some countries may prohibit exemptions from liability clauses, your rights in different countries may vary. This does not mean that the contents of this Disclaimer are necessarily invalid.
9. To the extent permitted by law, XAG has the final right to interpret and modify the above terms. XAG has the right to update, modify, or terminate these terms through its official website, the “Product Manual/Operation Manual”, online APP and other means without prior notice.

Warning

Users are required to read the complete “Product Manual” and be familiar with the product operations before using the product. Otherwise, it may cause serious injury to yourself or others, cause product damage and property loss. Strong safety awareness is required to operate this product. Do not use parts that are not provided or suggested by XAG. Please strictly follow the instructions of XAG to install and use the product.

Certificate of Inspection

**This product has
passed inspection.**



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