

AMERISUN AL5035C

AMERISUN AL5035C 3800W Inverter Gas Generator User Manual

Model: AL5035C

1. SAFETY INFORMATION

Read and understand all safety precautions before operating the generator. Failure to follow these instructions may result in serious injury or death.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide (CO), an odorless, colorless, and poisonous gas. Operate the generator outdoors in a well-ventilated area, far from windows, doors, and vents. Never operate indoors or in partially enclosed spaces. This generator includes a built-in CO alarm for added safety.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke or allow flames or sparks near the generator or fuel tank.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are dry and secure. Do not overload the generator.
- **Hot Surfaces:** The generator's engine and muffler become hot during operation and remain hot for a period after shutdown. Avoid contact with hot surfaces.
- **Children and Pets:** Keep children and pets away from the generator at all times.

2. PRODUCT OVERVIEW

The AMERISUN AL5035C is a portable inverter generator designed to provide reliable power for various applications, including camping, home backup, and RV use. It features advanced inverter technology for clean power output, suitable for sensitive electronics.

Key Features:

- **Power Output:** 3800W starting watts and 3200W running watts.
- **Fuel Efficiency:** 1.3-gallon fuel tank provides approximately 4.75 hours of continuous run time at 50% load.
- **Quiet Operation:** Operates at a low noise level of 70dB (at 23ft distance).
- **Safety Certified:** Meets UL2201 certification and includes a built-in Carbon Monoxide (CO) alarm with auto-shutdown.
- **Versatile Outlets:** Equipped with 1x 120V 30A AC outlet, 2x 120V 20A AC outlets, 1x 12V DC port, and 2x USB ports (5V 2.1A/1A).

- **Parallel Capability:** Allows connection of two AL5035C units for increased power output (up to 7200W).

Component Identification:

Refer to the image below for a visual guide to the generator's control panel and main components.



Image: Control panel of the AMERISUN AL5035C generator, showing the engine switch, 12V DC outlet, 5V USB-A/C ports, ECO switch, AC breaker, CO alarm, parallel outlets, 120V AC 20A outlets, 120V AC 30A outlet, and digital display.

- **Engine Switch:** Controls engine ON/OFF and choke.
- **12V DC Outlet:** For charging 12V batteries.
- **USB Ports (5V USB-A/C):** For charging small electronic devices.
- **ECO Switch:** Engages Eco-mode for improved fuel efficiency and quieter operation at lower loads.
- **AC Breaker:** Protects AC circuits from overload.
- **CO Alarm:** Detects carbon monoxide levels and can shut down the generator for safety.
- **Parallel Outlets:** Connects two compatible generators for increased power.
- **120V AC 20A Outlets:** Standard household outlets.

- **120V AC 30A Outlet (NEMA L5-30R):** For high-power appliances or RVs.
- **Digital Display (Multi-function Meter):** Shows output, fuel level, and other operational status.

3. SETUP

Unpacking and Initial Inspection:

- Carefully remove the generator from its packaging.
- Inspect for any shipping damage. Contact customer support if damage is found.
- Ensure all included accessories (e.g., wrench) are present.

Adding Engine Oil:

The generator is shipped without engine oil. It is crucial to add the correct type and amount of oil before first use.

1. Place the generator on a level surface.
2. Remove the oil fill cap/dipstick.
3. Slowly add recommended engine oil (refer to specifications for type and capacity) until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap/dipstick.

Adding Fuel:

Use fresh, unleaded gasoline with an octane rating of 87 or higher.

1. Ensure the generator is off and cool.
2. Open the fuel tank cap.
3. Carefully pour gasoline into the fuel tank, avoiding spills. Do not fill above the red indicator line.
4. Securely close the fuel tank cap.

Placement:

Always place the generator outdoors in a well-ventilated area, at least 20 feet away from any buildings, windows, or vents. Ensure the exhaust is directed away from people and buildings.

4. OPERATING INSTRUCTIONS

Starting the Generator:

1. Ensure the generator is on a level surface and all electrical loads are disconnected.
2. Turn the fuel cap vent lever to the 'ON' position.
3. Turn the engine switch to the 'CHOKE' position (if the engine is cold).
4. Pull the recoil starter handle firmly until the engine starts.
5. Once the engine starts, slowly move the engine switch to the 'RUN' position.
6. Allow the engine to warm up for a few minutes before connecting electrical devices.

Connecting Electrical Devices:

Connect your appliances or devices to the appropriate outlets. Do not exceed the generator's rated running wattage.



3800W INVERTER GENERATOR

1× 
120V 30A/AC

2× 
120V 20A/AC

1× 
12V 8A

1× 
5V 2.1A/USB-A

1× 
5V 1A/USB-C




4.75 HRS
RUN TIME AT 50% LOAD


70DB
NOISE AT 23 FEET


CO PROTECT
CARBON MONOXIDE SHUTOFF


CLEAN POWER
LESS 3% THD

Image: The AMERISUN AL5035C inverter generator showcasing its multiple output ports including 120V 30A/AC, 120V 20A/AC, 12V 8A, 5V 2.1A/USB-A, and 5V 1A/USB-C.

Eco-Mode Operation:

To activate Eco-mode, press the ECO switch. In Eco-mode, the engine speed automatically adjusts to the load, improving fuel efficiency and reducing noise. This mode is ideal for light loads.

Parallel Operation:

The AL5035C generator can be connected in parallel with another compatible AL5035C unit to double the power output. This requires a parallel kit (sold separately).



Image: Two AMERISUN AL5035C generators connected in parallel, providing increased power output for larger applications like RVs.

Stopping the Generator:

- 1. Disconnect all electrical loads from the generator.
- 2. Turn the engine switch to the 'OFF' position.
- 3. Turn the fuel cap vent lever to the 'OFF' position.

5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your generator.

Maintenance Schedule:

Item	Every Use	Every 50 Hrs / Monthly	Every 100 Hrs / 6 Months	Every 300 Hrs / Annually
------	-----------	------------------------	--------------------------	--------------------------

Item	Every Use	Every 50 Hrs / Monthly	Every 100 Hrs / 6 Months	Every 300 Hrs / Annually
Check Engine Oil Level	✓			
Clean Air Filter		✓		
Change Engine Oil			✓	
Inspect Spark Plug			✓	
Clean Fuel Filter				✓

Storage:

For long-term storage, drain the fuel tank and carburetor, or use a fuel stabilizer. Store the generator in a clean, dry place, away from direct sunlight and extreme temperatures.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your generator.

Generator Will Not Start:

- **No Fuel:** Check fuel level and add fresh gasoline if necessary.
- **No Oil:** Check engine oil level. The generator has a low-oil shutdown feature.
- **Choke Position:** Ensure the choke is in the correct position for starting (fully choked when cold, gradually moved to run as engine warms).
- **Spark Plug:** Inspect the spark plug for fouling or damage. Clean or replace if needed.
- **Fuel Valve:** Ensure the fuel valve is open.

No Power Output:

- **AC Breaker Tripped:** Check the AC breaker on the control panel and reset if tripped.
- **Overload:** Disconnect some appliances to reduce the load.
- **CO Alarm Activated:** If the CO alarm has activated, the generator will shut down. Move the generator to a more open area and allow it to ventilate before restarting.

Engine Runs Poorly:

- **Stale Fuel:** Drain old fuel and refill with fresh gasoline.
- **Dirty Air Filter:** Clean or replace the air filter.
- **Spark Plug:** Inspect and clean or replace the spark plug.

7. SPECIFICATIONS

Specification	Detail
Brand	AMERISUN
Model Name	Gas Generator (AL5035C)

Specification	Detail
Starting Wattage	3800 Watts
Running Wattage	3200 Watts
Fuel Type	Gasoline
Power Source	Gas-Powered
Tank Volume	1.3 Imperial Gallons
Run Time (50% load)	4.75 hours
Noise Level	70dB (at 23ft)
Voltage	120 Volts
Outlets	1x 120V 30A AC, 2x 120V 20A AC, 1x 12V DC, 2x USB
Special Features	Super Quiet, CO Protect (UL2201 Certified)
Item Weight	50.7 Pounds
Product Dimensions	21.9"L x 13.4"W x 19.5"H
Included Components	Wrench
UPC	840432702154

8. WARRANTY AND SUPPORT

Warranty Information:

This AMERISUN generator is covered by a 2-Year Manufacturer's Warranty. Please retain your proof of purchase for warranty claims.



Image: A badge indicating a 2-year service warranty for the product.

Customer Support:

For technical assistance, parts, or warranty inquiries, please contact AMERISUN customer support. Refer to the product packaging or the official AMERISUN website for contact details.

9. PRODUCT VIDEOS

AMERISUN 3800W Super Quiet Inverter Generator Overview

Video: An overview of the AMERISUN 3800W Super Quiet Inverter Generator, highlighting its features and quiet operation.

AMERISUN 3800W Inverter Generator Features

Video: A detailed look at the features and capabilities of the AMERISUN 3800W Inverter Generator.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question