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A-iPower SUA3800I

A-IPOWER Inverter Generator SUA3800I User Manual

Model: SUA3800I | Brand: A-iPower

1. PRODUCT OVERVIEW

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your A-iPower Inverter Generator SUA3800I. This portable generator is designed to provide reliable power for various applications.



The A-IPOWER Inverter Generator SUA3800I is a compact, portable power solution. It features a red and black casing, integrated wheels for easy transport, and a clearly laid out control panel on the side. The control panel includes various outlets, switches, and a digital display for monitoring performance.

2. IMPORTANT SAFETY INFORMATION

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

2.1 Carbon Monoxide Hazard

Using a generator indoors WILL KILL YOU IN MINUTES. Exhaust contains carbon monoxide, a poison gas you cannot see or smell.

- NEVER use in the home or in partly enclosed areas such as garages.
- Only use OUTSIDE and far from open windows, doors, and vents.

Avoid other generator hazards. READ MANUAL BEFORE USE.

Ensure adequate ventilation when operating the generator outdoors.

3. COMPONENTS AND CONTROLS

Familiarize yourself with the key components of your SUA3800I generator:

- **Control Panel:** Includes 120V AC 20A and 120V AC 30A outlets, circuit breakers, a digital fuel meter, and indicators for hours, voltage, and frequency.
- **Engine Switch:** Controls engine operation (Main/Low Idle).
- **Service Panel Access:** Provides access for internal maintenance.
- **Air Cleaner Access Panel:** For routine air filter cleaning.
- **Spark Plug Service:** Access point for spark plug inspection and replacement.
- **Wheels and Handle:** Integrated for enhanced portability.
- **Starting Watts:** 3800W capacity for initial power surge.
- **Running Watts:** 3500W continuous power output.

4. INITIAL SETUP

Follow these steps before the first use of your generator:

1. **Unpacking:** Carefully remove the generator from its packaging. Inspect for any shipping damage.
2. **Add Engine Oil:** Before first use, add the recommended engine oil to the crankcase. Refer to the specifications section for oil capacity and type.
3. **Add Fuel:** Fill the fuel tank with clean, fresh fuel. Do not overfill.
4. **Grounding:** Ensure the generator is properly grounded before operation to prevent electrical shock.

5. OPERATION

5.1 Starting the Generator

1. Place the generator on a level, outdoor surface, far from windows and vents.
2. Ensure all electrical loads are disconnected from the generator.
3. Turn the fuel valve to the "ON" position.
4. Set the engine switch to "START" or "CHOKE" as required by ambient temperature.
5. Pull the recoil starter handle firmly until the engine starts.

- 6. Once started, move the engine switch to the "RUN" position.
- 7. Allow the generator to warm up for a few minutes before connecting electrical devices.

5.2 Connecting Electrical Devices

Connect appliances or power cords to the appropriate outlets on the control panel. Do not overload the generator's rated capacity.

5.3 Stopping the Generator

- 1. Disconnect all electrical loads from the generator.
- 2. Turn the engine switch to the "OFF" position.
- 3. Turn the fuel valve to the "OFF" position for storage.

6. MAINTENANCE SCHEDULE

Regular maintenance ensures optimal performance and extends the life of your generator. Perform maintenance tasks at the recommended intervals:

Task	Frequency
Check Engine Oil Level	Before each use
Clean Air Filter	Every 50 hours or as needed
Inspect Spark Plug	Every 100 hours
Change Engine Oil	First 20 hours, then every 100 hours
Clean Fuel Filter	Annually or as needed
Inspect Fuel Lines	Annually

6.1 Spark Plug Service

Recommended spark plug types include Torch FARTC, RNSYC, Autolite 4252, and NGK BPRAES. Refer to the complete manual for detailed instructions on spark plug replacement and gap settings.

7. TROUBLESHOOTING GUIDE

This section provides solutions to common operational issues you may encounter:

Problem	Possible Cause	Solution
Engine will not start	No fuel, Low oil level, Spark plug issue	Add fuel, Add oil to correct level, Check/replace spark plug
No power output	Overload, Circuit breaker tripped	Reduce connected load, Reset circuit breaker
Engine runs rough	Stale fuel, Dirty air filter	Replace old fuel with fresh fuel, Clean or replace air filter

8. TECHNICAL SPECIFICATIONS




- **Model:** SUA3800I
- **Brand:** A-iPower
- **Starting Watts:** 3800 watts
- **Running Watts:** 3500 watts
- **Voltage:** 100 Volts
- **Fuel Type:** Liquefied Petroleum Gas
- **Power Source:** Fuel Powered
- **Special Features:** Portable
- **Manufacturer:** A-IPOWER
- **Item Model Number:** SUA3800I
- **Date First Available:** Nov. 17 2020




9. WARRANTY AND CUSTOMER SUPPORT

For warranty information or technical assistance, please contact A-iPower customer support. Refer to the product packaging or the official A-iPower website for contact details.

[A-iPower Support Website](#)

Related Documents - SUA3800I

	<p>A-iPOWER SUA3800i Generator Quick Start Guide</p> <p>Concise and SEO-optimized HTML guide for the A-iPOWER SUA3800i generator, covering unpacking, essential setup steps, starting procedures, and shutdown/storage instructions. Includes critical safety warnings regarding carbon monoxide.</p>
	<p>A-iPOWER SUA5800iED Portable Generator Owner's Manual</p> <p>Owner's manual for the A-iPOWER SUA5800iED portable inverter generator (Model 2241006 REV01). Provides comprehensive guidance on safe operation, maintenance, specifications, and troubleshooting. Features dual-fuel capability (gasoline/LPG) and CO Watch-Guard safety system.</p>
	<p>A-iPower SUA4000i Inverter Generator Owner's Manual</p> <p>Comprehensive owner's manual for the A-iPower SUA4000i portable inverter generator, covering essential safety instructions, detailed operation procedures, maintenance schedules, troubleshooting tips, and warranty information.</p>

	<p>A-iPower GXS4300iDC Generator Quick Start Guide - Model 1491001</p> <p>Concise quick start guide for the A-iPower GXS4300iDC dual fuel inverter generator. Learn how to unpack, add fuel and oil, start the engine, shut down, store, and switch between gasoline and propane (LPG). Includes essential safety warnings regarding carbon monoxide.</p>
	<p>A-iPower SUA5800iED Dual Fuel Inverter Generator: Features, Specs. and Technology</p> <p>Detailed overview of the A-iPower SUA5800iED Dual Fuel Inverter Generator, including key features, technical specifications, control panel functions, and Fuel Sense technology. Learn about its 5800 starting watts, 224cc engine, and extended runtime capabilities.</p>
	<p>A-iPower SUA2000iP Generator Quick Start Guide</p> <p>Get your A-iPower SUA2000iP inverter generator up and running quickly with this essential quick start guide. Learn how to unpack, add oil and fuel, start the engine, connect loads, and properly shut down and store your generator. Includes vital safety information regarding carbon monoxide.</p>