

A-iPower SUA4000iER

A-iPower SUA4000iER Portable Inverter Generator User Manual

Model: SUA4000iER

Brand: A-iPower

INTRODUCTION

This manual provides detailed instructions for the safe and efficient operation, maintenance, and troubleshooting of your A-iPower SUA4000iER portable inverter generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The A-iPower SUA4000iER is designed to provide clean, quiet, and efficient power, suitable for various applications including camping, tailgating, RV use, and as a backup power source during outages. It features 4,000 watts of starting power and 3,500 watts of running power, with a quiet operation level of 65 decibels.

SAFETY INFORMATION

Always operate the generator outdoors in a well-ventilated area to prevent carbon monoxide poisoning. Keep the generator away from flammable materials. Do not operate in rain or wet conditions. Ensure all electrical connections are secure and properly grounded.

- **Carbon Monoxide Hazard:** Never operate indoors.
- **Fire Hazard:** Keep fuel away from ignition sources.
- **Electrical Shock Hazard:** Do not operate in wet conditions.
- **Hot Surfaces:** Engine and muffler become hot during operation.

PRODUCT OVERVIEW

The A-iPower SUA4000iER inverter generator is equipped with several key components for its operation and user convenience.

POWER



**223CC OHV 4
STROKE ENGINE**



**3% THD
CLEAN POWER**



**58DB SUPER
QUIET**

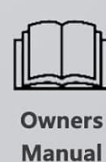
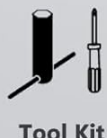


Rear view of the A-iPower SUA4000iER portable inverter generator, highlighting the exhaust and additional side panel details.

Key Features:

- **4000 Starting Watts / 3500 Running Watts:** Provides ample power for various applications.
- **Quiet Operation:** Operates at 65 decibels, comparable to normal conversation.
- **Inverter Technology:** Delivers clean and safe power for sensitive electronics.
- **Electric and Remote Start:** Offers convenient starting options.
- **Built-in Mobility:** Features a telescopic handle and wheels for easy transport.
- **RV Ready:** Equipped with an RV-ready outlet.

WHAT'S IN THE BOX



An illustration showing the contents included with the A-iPower SUA4000iER generator: 30Amp RV Adaptor, Remote Control, Tool Kit, 12V DC Charging Cables, Oil Funnel, Owners Manual, and Quick Start Guide. The image also displays the generator's dimensions and weight.

SETUP

Unpacking and Inspection:

Carefully remove the generator from its packaging. Inspect for any shipping damage. Report any damage to your dealer immediately.

Adding Engine Oil:

The generator is shipped without engine oil. Before first use, add the recommended amount of 10W-30 engine oil using the provided oil funnel. Do not overfill. Refer to the oil capacity in the specifications section.

Adding Fuel:

Use fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 or any other ethanol blend exceeding

10%. Fill the fuel tank carefully, avoiding spills. Do not fill above the fuel filter screen.

Battery Connection (for Electric/Remote Start):

Connect the battery terminals as instructed in the quick start guide. Ensure positive (+) and negative (-) connections are correct to prevent damage.

OPERATING INSTRUCTIONS

Starting the Generator:

1. Ensure the generator is on a level surface outdoors, away from windows and vents.
2. Turn the fuel valve to the "ON" position.
3. Set the engine switch to "ON".
4. For cold starts, move the choke lever to the "CHOKE" position.
5. **Electric Start:** Press and hold the electric start button until the engine starts.
6. **Remote Start:** Use the provided remote control to start the generator.
7. Once the engine starts, gradually move the choke lever to the "RUN" position.

Connecting Electrical Devices:

Plug your devices into the appropriate outlets. Do not overload the generator. The total running wattage of all connected devices must not exceed 3500 watts. The generator features a 20A 120V AC duplex outlet and a 30A 120V AC RV outlet (L5-30R).



Detailed view of the A-iPower SUA4000iER control panel, showing the fuel switch, main switch, electric start button, hour meter, AC outlets (5-20R Duplex 20A, 120V and L5-30R 30A, 120V), DC outlets (1.5A, 5VDC USB and 8.3A, 12VDC Automotive Outlet), circuit breaker, and parallel operation outlets.

Stopping the Generator:

1. Disconnect all electrical loads.
2. Turn the engine switch to "OFF".
3. Turn the fuel valve to the "OFF" position.

Parallel Operation:

The SUA4000iER supports parallel operation with another compatible A-iPower inverter generator to increase total power output. Use a parallel kit (sold separately) and follow its instructions carefully.

PARALLEL OPERATION



Two A-iPower SUA4000iER generators shown connected via a parallel kit, illustrating their capability to operate together for increased power output.

MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always ensure the generator is off and cooled down before performing any maintenance.

Maintenance Schedule:

Item	First Month / 20 Hours	Every 3 Months / 50 Hours	Every 6 Months / 100 Hours	Every Year / 300 Hours
Engine Oil	Change	Change		
Air Filter	Clean	Clean		

Item	First Month / 20 Hours	Every 3 Months / 50 Hours	Every 6 Months / 100 Hours	Every Year / 300 Hours
Spark Plug		Inspect/Adjust		Replace
Fuel Filter			Inspect	

Oil Change Procedure:

Place a drain pan under the oil drain plug. Remove the drain plug and oil fill cap to allow oil to drain completely. Reinstall the drain plug and refill with new, recommended oil. Check oil level with the dipstick.

Air Filter Cleaning:

Remove the air filter cover and foam element. Wash the foam element in warm, soapy water, rinse thoroughly, and allow to air dry completely. Lightly oil the foam element with engine oil and squeeze out excess before reinstalling.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Engine switch OFF; Choke not set correctly; Spark plug issue; Battery dead (for electric start)	Add fuel; Add oil; Turn engine switch ON; Adjust choke; Inspect/clean/replace spark plug; Charge/replace battery
Generator produces no power	Overload; Circuit breaker tripped; GFCI tripped; Faulty connection	Reduce load; Reset circuit breaker; Reset GFCI; Check connections
Engine runs rough	Stale fuel; Clogged air filter; Dirty spark plug	Drain and refill with fresh fuel; Clean/replace air filter; Clean/replace spark plug
Excessive noise	Loose components; Exhaust leak	Check and tighten all fasteners; Inspect exhaust system for leaks

SPECIFICATIONS

Attribute	Value
Model	SUA4000iER
Starting Wattage	4000 Watts
Running Wattage	3500 Watts
Engine Type	223cc 4-Stroke OHV
Fuel Type	Gasoline
Runtime	5 hours (at 25% load)
Noise Level	65 Decibels
Product Dimensions (L x W x H)	23.8 x 19.2 x 22 inches

Attribute	Value
Item Weight	129.7 pounds
Outlets	120V 20A Duplex, 120V 30A RV (L5-30R), 12V DC, USB

Note: Specifications are subject to change without notice.



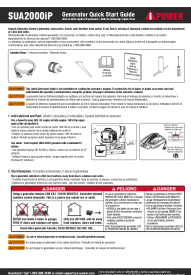
WARRANTY AND SUPPORT




A-iPower stands behind its products. For warranty information, technical support, or service inquiries, please refer to the official A-iPower website or contact their customer service department. Keep your purchase receipt for warranty claims. For over 30 years, A-iPower has been delivering high-quality and reliable power equipment. They offer superb support, from setting up a unit to sending products to their service centers. Visit the official A-iPower Store for more information:[A-iPower Store](#)

© 2023 A-iPower. All rights reserved.

This manual is for informational purposes only. Always follow local regulations and safety guidelines.

Related Documents - SUA4000iER

	<p>A-iPOWER SUA2300i 2300 Watt Inverter Generator: Features, Specs, and Overview</p> <p>Detailed overview of the A-iPOWER SUA2300i 2300 Watt Inverter Generator, including key features, technical specifications, outlet types, parallel operation capabilities, and included accessories. Learn about its powerful 80cc engine, clean power output (<3% THD), and quiet operation.</p>
	<p>A-iPower XOS2300iD 2300 Watt Dual Fuel Inverter Generator</p> <p>Specifications and features for the A-iPower XOS2300iD, a 2300 Watt Dual Fuel Inverter Generator with Fuel Sense Technology, EPA certified, lightweight design, and clean power output.</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>

	<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 SC2300i Generator Quick Start Guide</p> <p>A concise guide to quickly start and operate the A-iPower SC2300i generator, including unpacking, fueling, starting, and shutdown procedures.</p>
	<p>A-iPOWER AP10000E Generator Quick Start Guide</p> <p>Concise, SEO-optimized HTML guide for the A-iPOWER AP10000E portable generator, covering unpacking, installation, starting, and shutdown procedures. Includes safety warnings and contact information.</p>



[A-iPower SUA4000i Inverter Generator Owner's Manual](#)

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.

lang:en score:26 filesize: 5.84 M page_count: 40 document date: 2020-08-27