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> A-iPower SUA15000EC 15000 Watt Ultra Heavy Duty Generator User Manual

## A-iPower SUA15000EC

# A-iPower SUA15000EC 15000 Watt Ultra Heavy Duty Generator User Manual

Model: SUA15000EC

## 1. INTRODUCTION AND OVERVIEW

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This manual provides essential information for the safe operation, maintenance, and troubleshooting of your A-iPower SUA15000EC 15000 Watt Ultra Heavy Duty Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The A-iPower SUA15000EC is a powerful gasoline-powered generator designed for commercial and residential use, providing 15,000 starting watts and 12,000 running watts. It features a 680cc/24hp twin-cylinder engine, electric start, and Pure Sine Wave Technology for powering sensitive electronics.



Image 1.1: The A-iPower SUA15000EC generator providing power.

## 2. SAFETY INFORMATION

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**WARNING: Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operating a generator indoors can kill you in minutes. Always operate the generator outdoors in a well-ventilated area, far from windows, doors, and vents.**

- **Fuel Safety:** Gasoline is highly flammable. Store fuel in approved containers in a well-ventilated area. Never refuel a hot or running engine.
- **Electrical Safety:** Do not operate the generator in wet conditions. Ensure all connections are secure and use appropriate extension cords. GFCI protected outlets provide added safety.
- **Hot Surfaces:** The generator engine and muffler become very hot during operation and remain hot for a period after shutdown. Avoid contact to prevent burns.
- **Moving Parts:** Keep hands, feet, and clothing away from moving parts to prevent injury.
- **Children and Pets:** Keep children and pets away from the generator at all times.

## 3. SETUP AND ASSEMBLY

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### 3.1 Unpacking and Inspection

Carefully remove the generator from its packaging. Inspect for any shipping damage. Ensure all components listed in the packing list are present, including the wheel kit and DC charging cables.

### 3.2 Wheel Kit Installation

The generator includes a wheel kit for easy mobility. Attach the four 4.0-inch never-flat wheels to the rigid tubular steel frame using the provided hardware. Ensure wheel locks are functional for safe parking.

### 3.3 Adding Engine Oil

Before first use, add the recommended engine oil to the crankcase. Refer to the engine oil capacity in the specifications section. Do not overfill. The generator features a low oil shut down system to protect the engine from damage.

### 3.4 Adding Fuel

Fill the 8.0-gallon heavy-duty all-steel construction fuel tank with fresh, unleaded gasoline. Use a funnel to prevent spills. Do not fill above the fuel level indicator. Ensure the fuel cap is securely tightened.

### 3.5 Battery Connection

Connect the battery for the electric start feature. Ensure positive (+) and negative (-) terminals are connected correctly to avoid electrical damage.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Starting the Engine

1. Ensure the generator is on a level surface and in a well-ventilated outdoor area.
2. Turn the fuel valve to the 'ON' position.
3. Set the choke lever to the 'CHOKE' position (if the engine is cold).
4. Press and hold the electric start button until the engine starts.

5. Once the engine starts, slowly move the choke lever to the 'RUN' position.

## 4.2 Connecting Electrical Loads

Allow the generator to run for a few minutes to stabilize before connecting electrical devices. Plug appliances directly into the GFCI protected outlets or use appropriate heavy-duty extension cords. The Pure Sine Wave Technology ensures safe operation for sensitive electronics like HDTVs and computers.

## 4.3 DC Adapter Plug Usage

The built-in DC adapter plug can be used for charging batteries or with a USB adapter to charge mobile devices. DC charging cables are included.

## 4.4 Stopping the Engine

1. Disconnect all electrical loads from the generator.
2. Allow the engine to run for a few minutes without load to cool down.
3. Turn the engine switch to the 'OFF' position.
4. Turn the fuel valve to the 'OFF' position.



Image 4.1: The A-iPower SUA15000EC generator providing power to a home.

## 5. MAINTENANCE

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Regular maintenance is crucial for the longevity and reliable operation of your generator. Always ensure the engine is off and cool before performing any maintenance.

- **Engine Oil:** Check oil level before each use. Change engine oil after the first 20 hours of operation, then every 100 hours or annually.
- **Air Filter:** Inspect and clean the air filter every 50 hours or more frequently in dusty conditions. Replace if damaged.
- **Spark Plug:** Inspect the spark plug every 100 hours. Clean or replace as needed.
- **Fuel Filter:** Inspect the fuel filter periodically and replace if clogged.
- **General Cleaning:** Keep the generator clean and free of debris. Ensure cooling vents are not obstructed.

## 6. TROUBLESHOOTING

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This section provides solutions to common operational issues. For problems not listed here, contact customer support.

| Problem               | Possible Cause   | Solution  |
|-----------------------|--|---|
| Engine will not start | No fuel, low oil, choke incorrect, spark plug issue, battery low | Check fuel level, add oil, adjust choke, inspect/replace spark plug, charge/check battery |
| No power output       | Circuit breaker tripped, overloaded, faulty connection           | Reset circuit breaker, reduce load, check connections                                     |
| Engine runs rough     | Stale fuel, clogged air filter, dirty spark plug                 | Drain old fuel and add fresh, clean air filter, clean/replace spark plug                  |

## 7. SPECIFICATIONS

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Detailed technical specifications for the A-iPower SUA15000EC generator:



Image 7.1: Dimensions of the A-iPower SUA15000EC generator.

- **Model:** SUA15000EC
- **Starting Wattage:** 15,000 Watts
- **Running Wattage:** 12,000 Watts
- **Engine:** 680cc / 24HP OHV, Twin-cylinder, Air-cooled, 4-stroke
- **Fuel Type:** Gasoline
- **Fuel Tank Capacity:** 8.0 Gallons
- **Run Time (at 50% load):** Up to 7 hours
- **Noise Level:** 85 dBA
- **Voltage:** 240 Volts
- **Dimensions (L x W x H):** 39" x 38" x 31"
- **Item Weight:** 392 Pounds
- **Special Features:** Electric Start, Pure Sine Wave Technology (<5% THD), GFCI Protected Outlets, Built-in DC Adapter Plug, Low Oil Shut Down, Wheel Kit
- **Frame:** 1.2in dia. rigid tubular steel frame with matt-black powder coat finish

## 8. WARRANTY INFORMATION

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The A-iPower SUA15000EC generator comes with a **2-year warranty**. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product or visit the official A-iPower website.

## 9. CUSTOMER SUPPORT

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For technical assistance, parts, or service inquiries, please contact A-iPower customer support. Refer to the contact information provided in your product packaging or visit the official A-iPower website for the most up-to-date support details.

**Online Resources:** [www.a-ipower.com](http://www.a-ipower.com)