

A-iPower SUA2000iD

A-iPower SUA2000iD 2000 Watt Portable Inverter Generator Instruction Manual

Model: SUA2000iD

1. PRODUCT OVERVIEW

The A-iPower SUA2000iD Dual Fuel inverter generator is designed to provide reliable and clean power for various applications, from sensitive electronics to essential home appliances during outages. It operates on both gasoline and propane (LPG), offering versatility and extended runtime options.



Figure 1: A-iPower SUA2000iD Dual Fuel Inverter Generator

Key Features:

- **Dual Fuel Capability:** Operates on 2,000 starting watts and 1,600 running watts with gasoline, or 1,800 starting watts and 1,500 running watts with propane (LPG).
- **Clean Power:** Inverter technology ensures safe and stable power for sensitive electronics like phones, televisions, and laptops.
- **Parallel Ready:** Equipped with parallel cables to link two SUA2000iD units for a combined output of 4,000 starting watts and 3,200 running watts.
- **Lightweight & Portable:** Weighs only 55 lbs, making it easy to transport for camping, tailgating, or emergency use.
- **Super Quiet Operation:** Operates at a low 52 decibels, minimizing noise disturbance.

2. KEY COMPONENTS AND CONTROL PANEL

Familiarize yourself with the generator's main components and control panel for safe and efficient operation.



Figure 2: Control Panel Layout

Control Panel Features:

- **Fuel Selector Switch:** Allows switching between gasoline and LPG operation.
- **Main Switch:** Controls the overall power to the unit (ON/OFF).
- **Engine Start/Stop Button:** Initiates or stops the engine.
- **Low Idle Mode Switch:** Engages or disengages the eco-throttle for fuel efficiency.
- **USB Port (5V DC, 1.5A):** For charging small electronic devices.
- **AC Outlets (120V, 20A):** Standard household outlets.
- **L5-30R 30A, 120VAC Outlet:** RV-ready outlet.
- **Parallel Equipped Ports:** For connecting two units for increased power.
- **Status Indicator Lights:** Output, Overload Alarm, Low Oil Alert.
- **Digital Fuel Meter:** Displays voltage, hours, frequency, power, and fuel level.

3. SETUP AND INITIAL PREPARATION

Before first use, ensure the generator is properly prepared.



Figure 3: Included Accessories

Steps:

- 1. Add Engine Oil:** Remove the oil fill cap/dipstick. Using the provided funnel, carefully add the recommended engine oil (SAE 10W-30) up to the upper mark on the dipstick. Do not overfill.
- 2. Add Fuel:**
 - **Gasoline:** Open the fuel cap and fill with fresh, unleaded gasoline (minimum 87 octane). Do not overfill.
 - **Propane (LPG):** Connect the provided LPG hose to the generator's LPG inlet and to a standard propane tank. Ensure all connections are secure.
- 3. Ground the Generator:** Connect a grounding wire from the generator's grounding terminal to a suitable ground source.

4. OPERATING INSTRUCTIONS

Starting the Generator:

1. Ensure the generator is on a flat, level surface outdoors and away from windows or doors.
2. Turn the Fuel Selector Switch to your desired fuel type (GAS or LPG).
3. Turn the Main Switch to the 'ON' position.
4. If starting cold, pull the choke knob out.
5. Press and hold the Engine Start/Stop button until the engine starts.
6. Once the engine starts, slowly push the choke knob back in.

Stopping the Generator:

1. Disconnect all electrical loads from the generator.
2. Turn the Main Switch to the 'OFF' position.
3. If using LPG, close the valve on the propane tank.

Eco Mode:

The Eco Mode switch allows the engine speed to automatically adjust to the load, improving fuel efficiency and reducing noise. Turn the Low Idle Mode switch to 'ON' for quieter operation and better fuel economy when running light loads.

Parallel Operation:

To combine the power of two SUA2000iD generators, use the provided parallel cables. Refer to the detailed parallel operation instructions in the full owner's manual for proper connection and safety guidelines.

Note: No official seller videos demonstrating operation were available in the provided data. Please refer to the included physical manual for visual guides.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator.

Key Maintenance Tasks:

- **Engine Oil:** Check oil level before each use. Change 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 monthly. Replace if damaged.
- **Spark Plug:** Inspect and clean the spark plug every 100 hours or annually. Replace if necessary.
- **Fuel System:** For long-term storage, drain the fuel tank and carburetor to prevent fuel degradation.

6. TROUBLESHOOTING

If your generator experiences issues, consult the following common troubleshooting tips:

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, main switch OFF, choke not set, spark plug issue.	Add fuel, add oil, turn main switch ON, adjust choke, inspect/clean spark plug.
No power output	Overload, circuit breaker tripped, faulty connection.	Reduce load, reset circuit breaker, check connections.
Engine runs rough	Stale fuel, dirty air filter, spark plug issue.	Drain and refill with fresh fuel, clean air filter, inspect/clean spark plug.

For more detailed troubleshooting, refer to the complete owner's manual.

7. TECHNICAL SPECIFICATIONS

Specification	Detail
Model Name	SUA2000iD
Starting Wattage (Gasoline)	2000 Watts
Running Wattage (Gasoline)	1600 Watts
Starting Wattage (Propane)	1800 Watts
Running Wattage (Propane)	1500 Watts
Fuel Type	Gasoline, Propane
Engine Type	4 Stroke
Voltage	120 Volts
Frequency	60 Hz
Item Weight	55 Pounds
Product Dimensions	18.3" L x 11.3" W x 19.5" H
Tank Volume	1.1 Gallons
Runtime (25% Load)	4 hours (Gasoline)
Noise Level	52 Decibels

8. WARRANTY AND SUPPORT

The A-iPower SUA2000iD Inverter Generator comes with a **2-year manufacturer warranty**. For warranty claims, technical assistance, or replacement parts, please contact A-iPower customer support directly. Always refer to your original purchase documentation for specific warranty terms and conditions.

For the most up-to-date support information, visit the official A-iPower website or refer to the contact details provided in your product packaging.

Documents - A-iPower – SUA2000iD



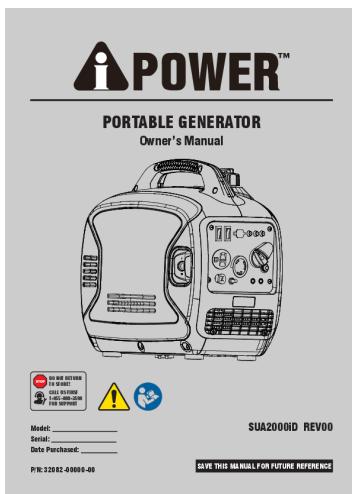
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3 10887 Commerce Way Unit A Fontana CA 92337 Model SUA2000iD 1600W-GAS / 1500W-LPG 2000W-GAS / 1800W-LPG 7 2 48.4 lbs Product Dimension: L x W x H Packing Dimension: L x W x H SAE 10W-30 19.711.418.3inch 21.713.020.0inch DUE TO THE FAILURE OF FOLLOWING identified concerning If ...

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Powerful: 80cc OHV High Performance 4 Cycle Engine High Output: 2,000 starting watts- 1,600 running watts together Compact Design: Lightweight for easy to transport with integrated handle Electric Power SUA2000iD 2000 Watt Inverter Generator DUAL FUEL SERIES EPA 49 STATE CARB 50 STATE Integr...

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