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› Aceup Energy 4000 Watt Portable Inverter Generator User Manual

## Aceup Energy AI4000s

# Aceup Energy 4000 Watt Portable Inverter Generator User Manual

Model: AI4000s | Brand: Aceup Energy

## INTRODUCTION

This manual provides essential information for the safe operation, maintenance, and troubleshooting of your Aceup Energy 4000 Watt Portable Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

## SAFETY INFORMATION

Always operate the generator in a well-ventilated area to prevent carbon monoxide poisoning. Keep flammable materials away from the generator. Do not operate in rain or wet conditions. Refer to all warning labels on the product.

- Read all instructions before use.
- Ensure proper ventilation to avoid carbon monoxide buildup.
- Do not refuel while the engine is running or hot.
- Keep children and pets away from the generator during operation.
- Use only recommended fuel and oil types.

## PACKAGE CONTENTS

Upon unpacking, verify that all items listed below are present:

- Aceup Energy 4000 Watt Portable Inverter Generator (Model AI4000s)
- A bottle of oil
- User Manual
- Oil funnel (2 included)
- Spark plug wrench



Image: The Aceup Energy 4000 Watt Portable Inverter Generator shown with its included accessories, such as the oil bottle, oil funnel, and spark plug wrench, ready for initial setup.

## PRODUCT OVERVIEW

The Aceup Energy AI4000s is a compact and efficient inverter generator designed for various power needs, from home backup to outdoor activities. It features a quiet operation and clean power output suitable for sensitive electronics.



Image: A detailed view of the Aceup Energy 4000 Watt Portable Inverter Generator, highlighting its compact design and the included oil bottle for initial use.

## Control Panel

The control panel provides access to all operational functions and monitoring features.



Image: A close-up of the generator's control panel, detailing the 5-in-1 knob for fuel and engine control, the digital display meter, and the various AC and DC outlets.

- **5-in-1 Knob:** Controls fuel on/shut-off, engine on/off, and choke.
- **Digital Display Meter:** Tracks voltage, run-time, gasoline level, hertz, and power output.
- **Outlets:** Includes 120V AC 20A outlets, one RV receptacle, and one 12V DC 8.3A car charger outlet.
- **Eco Mode:** Reduces engine speed for improved fuel economy and quieter operation when less power is needed.
- **Low Oil LED:** Indicator for low engine oil level.

## SETUP

### Adding Engine Oil

Before first use, or after an oil change, ensure the engine oil is at the correct level. Use the provided oil funnel for easy filling.



Image: The oil fill port of the generator, showing where to add engine oil. Always ensure the generator is on a level surface when checking or adding oil.

1. Place the generator on a level surface.
2. Remove the oil fill cap/dipstick.
3. Using the provided oil funnel, slowly add the recommended engine oil (SAE 10W-30 or SAE 30, as specified in the manual) until it reaches the upper mark on the dipstick.
4. Replace the oil fill cap/dipstick securely.

## Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher. Do not overfill the fuel tank.

1. Ensure the generator is turned off and cool before adding fuel.
2. Open the fuel tank cap.
3. Carefully pour gasoline into the fuel tank, avoiding spills. Do not fill past the red indicator or the bottom of the filler neck.
4. Securely close the fuel tank cap.

## OPERATING INSTRUCTIONS

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### Starting the Engine

Follow these steps to start your Aceup Energy inverter generator:

## How to Start Engine?

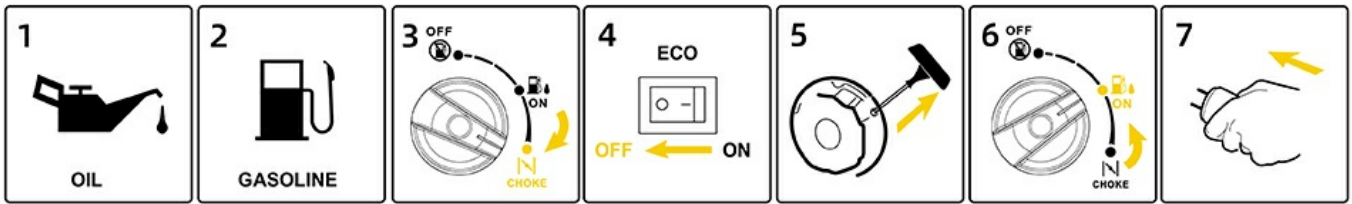


Image: A visual guide illustrating the seven steps required to start the generator's engine, from adding fluids to pulling the recoil start.

1. Ensure the generator has sufficient engine oil and gasoline.
2. Turn the 5-in-1 knob to the **CHOKE** position (if the engine is cold).
3. Set the ECO switch to **ON** or **OFF** as desired. For initial start, OFF is recommended.
4. Firmly grasp the recoil starter handle and pull it quickly until the engine starts.
5. Once the engine starts, slowly turn the 5-in-1 knob to the **ON** position.
6. Allow the generator to run for a few minutes to warm up before connecting electrical devices.

## Connecting Devices

Once the generator is running stably, you can connect your electrical devices. Ensure the total wattage of connected devices does not exceed the generator's running wattage.

- Plug your devices into the appropriate AC or DC outlets.
- For sensitive electronics, ensure the ECO mode is engaged for cleaner power output.
- Avoid overloading the generator.



Image: The Aceup Energy 4000 Watt Inverter Generator providing power to an RV in an outdoor setting, demonstrating its utility for camping and remote power needs.

## MAINTENANCE

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Regular maintenance is crucial for the longevity and optimal performance of your generator.

- **Engine Oil:** Check oil level before each use. Change oil after the first 20 hours of operation, then every 50-100 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 or annually. Clean or replace as needed.
- **Fuel Filter:** Inspect and clean the fuel filter periodically.
- **Storage:** For long-term storage, drain the fuel tank and carburetor, or use a fuel stabilizer. Store in a dry, well-ventilated area.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine does not start	No fuel; Low oil; Choke not set correctly; Spark plug issue	Add fuel; Add oil; Adjust choke; Check/clean/replace spark plug
No power output	Overload; Circuit breaker tripped; ECO mode engaged with high load	Reduce load; Reset circuit breaker; Turn off ECO mode for higher loads
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

## SPECIFICATIONS

Feature	Detail
Brand	Aceup Energy
Model Name	A14000s
Starting Wattage	4000 Watts
Running Wattage	3200 Watts
Engine Type	4 Stroke, OHV
Engine Displacement	149 Cubic Centimeters
Fuel Type	Gasoline
Tank Volume	1.32 Gallons
Runtime	Up to 5 hours at half-load (1.32 gallon tank), 10 hours (general runtime)
Voltage	120 Volts (AC)
Frequency	60 Hz
Total Power Outlets	4 (120V AC 20A, RV receptacle, 12V DC 8.3A)
Item Weight	48 Pounds
Product Dimensions (L x W x H)	19.68"L x 11.8"W x 17.7"H
Special Features	Automatic Shut Down, Digital Display, Extra-Long Run Time, Fuel Gauge, Super Quiet
THD (Total Harmonic Distortion)	Below 1.5%
Compliance	EPA Compliant

# DIMENSION

 **50.7 lbs**



Image: The generator with its key dimensions (length, width, height) and weight clearly indicated, providing a visual reference for its size.

## WARRANTY AND SUPPORT

The Aceup Energy 4000 Watt Portable Inverter Generator is backed by a 2-year limited warranty. For technical guidance, parts, or warranty claims, please contact Aceup Energy customer support.

- **Warranty Period:** 2-year limited warranty.
- **Technical Guidance:** Lifetime technical guidance from experts.
- For support, visit the [Aceup Energy Store on Amazon](#) or refer to the contact information provided in your product packaging.

