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> Aceup Energy 4500 Watt Inverter Generator User Manual

## Aceup Energy AI4500F

# Aceup Energy 4500 Watt Inverter Generator User Manual

Model: AI4500F

Brand: Aceup Energy

## INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Aceup Energy AI4500F Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper usage and to prevent injury or damage.

### Key Features:

- **Engine:** 223cc 4-stroke OHV engine.
- **Power Output:** 4500 peak watts, 3600 rated watts.
- **Run Time:** Up to 10 hours at quarter-load on 2.65 gallons of fuel.
- **Control Panel:** Intelligent gauge for voltage, run-time, hertz, power output, low oil LED, and economic mode.
- **Outlets:** Two 120V AC 20A outlets, one 120V AC 30A Twist-Lock outlet, one 12V DC 8.3A outlet, and Type A/C USB ports.
- **Technology:** Inverter technology for clean power, suitable for sensitive electronics.
- **Operation:** Convenient 5-in-1 knob for fuel on/shut-off, engine on/off, and choke.
- **Compliance:** EPA compliant.



Figure 1: Aceup Energy AI4500F Inverter Generator.

## SETUP

Before first use, ensure the generator is placed on a flat, stable surface in a well-ventilated area, away from any flammable materials. Follow these steps for initial setup:

### 1. Add Engine Oil:

Locate the oil fill cap/dipstick. Using the provided oil funnel, carefully add 4-stroke engine oil (SAE 30 recommended) until it reaches the 'FULL' mark on the dipstick. Do not overfill.

# ACCESSORIES

*in the box*

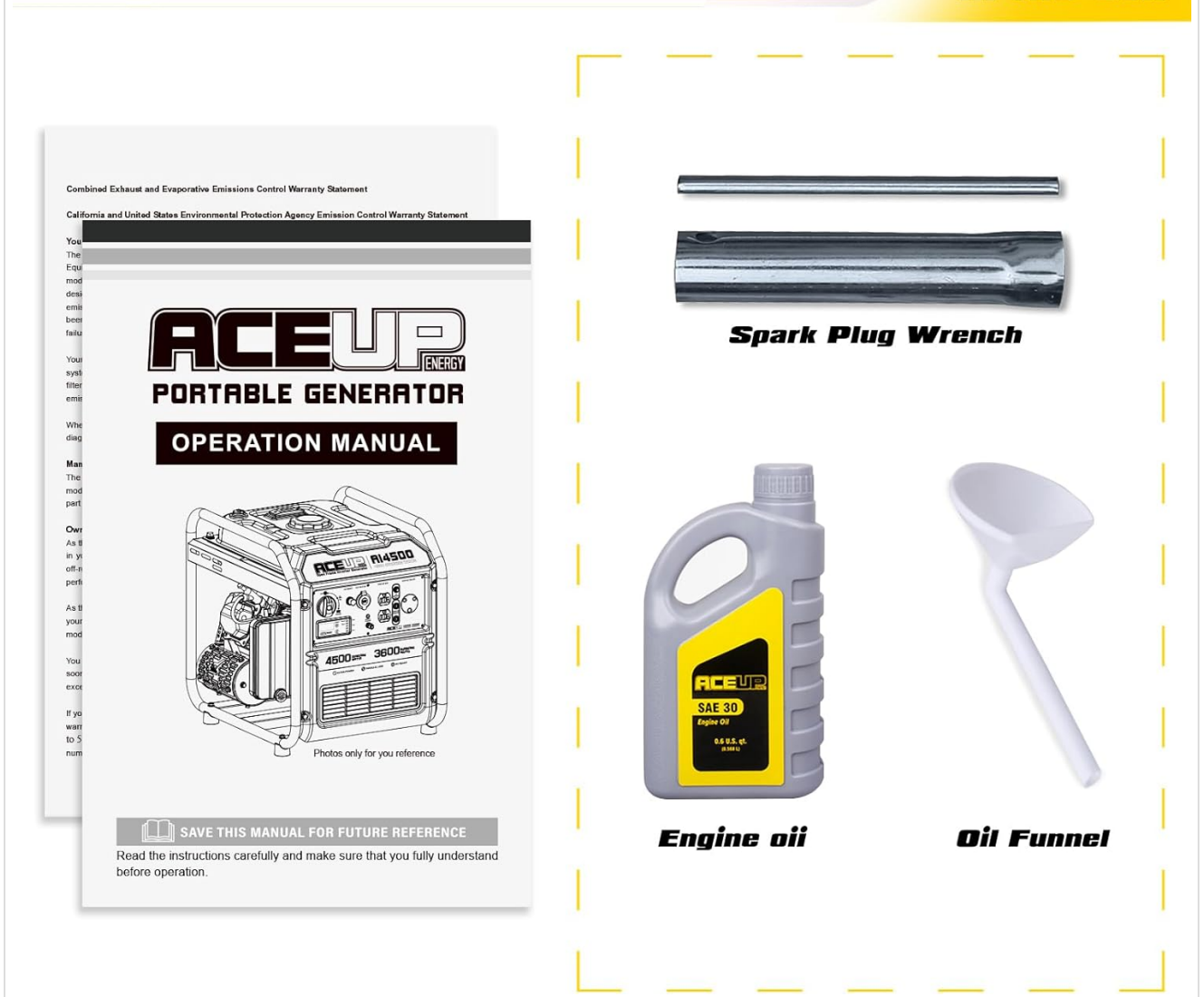


Figure 2: Included accessories: oil funnel, spark plug wrench, manual, and a bottle of oil.

## 2. Add Fuel:

Fill the fuel tank with minimum 87 octane unleaded gasoline. Ensure the fuel cap is securely tightened after filling. Do not refuel when the engine is hot or running.



Figure 3: Fuel tank with integrated fuel gauge for easy monitoring.

### 3. Connect Spark Plug:

Ensure the spark plug cap is firmly connected to the spark plug. This is crucial for ignition.

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Video 1: AI4500F Ignition Head Replacement Tutorial. This video demonstrates how to handle the spark plug connection.

## OPERATING INSTRUCTIONS

Follow these steps to start and operate your generator safely:

### 1. Starting the Engine:

Turn the 5-in-1 knob to the "CHOKE" position. Pull the recoil starter handle slowly until resistance is felt, then pull rapidly and completely. Once the engine starts, gradually rotate the knob to the "ON" position.

# HOW TO START THE ENGINE?



Figure 4: Visual guide for starting the generator engine, including choke and pull start steps.

## 2. Economic Mode:

The generator features an economic mode to save fuel and reduce noise. Turn off the economic mode switch if you require full power output or when starting high-load appliances.

# CONTROL PANEL



## **1. INTEGRATED KNOB**

*Off/Run/Choke Start/Choke, Run/On*

## **2. 12V DC CAR CHARGER**

*Charge smart phones, tablets and other electronics*

## **3. 2 X 120V AC 20A OUTLET**

## **4. PARALLEL OUTLET**

*Connect 2 inverters for twice the power (parallel kit sold separately)*

## **5. 30A L5-30R Twist-Lock**

## **6. INTELLIGENT GAUGE**

*Voltage, frequency, current/total run time, power output, fuel meter, low oil alarm, fault light*

Figure 5: Detailed view of the control panel, showing the 5-in-1 knob, outlets, and digital display.

### **3. Connecting Devices:**

Allow the generator to run for a few minutes before connecting any electrical devices. Plug your devices into the appropriate outlets (120V AC 20A, 30A Twist-Lock, 12V DC 8.3A, or USB ports).

Your browser does not support the video tag.

Video 2: 4500 Watt Open Frame Inverter Generator. This video provides an overview of the generator's features and operation.

### **4. Parallel Operation:**

This generator is parallel-ready, allowing you to connect two compatible generators for increased power output. A parallel kit is sold separately.

## MAINTENANCE

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always turn off the engine and allow it to cool before performing any maintenance.

- **Oil Change:** Check engine oil level before each use and change regularly according to the maintenance schedule in your full manual.
- **Spark Plug:** Inspect and clean the spark plug periodically. Replace if necessary.
- **Air Filter:** Clean the air filter regularly, especially in dusty conditions.
- **Fuel System:** Use a fuel stabilizer if storing the generator for extended periods to prevent fuel degradation.

- **Recoil Starter:** For replacement of the recoil starter, refer to the following video:

Your browser does not support the video tag.

Video 3: How to Replace Recoil Starter on Aceup 4500W Generator. This video guides you through the process of replacing the recoil starter.

## TROUBLESHOOTING

If your generator experiences issues, consult this basic troubleshooting guide. For more complex problems, contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, spark plug issue, choke setting incorrect.	Check fuel level, add oil, inspect spark plug, adjust choke.
No power output	Circuit breaker tripped, economic mode on, overload.	Reset circuit breaker, turn off economic mode, reduce load.
Engine runs rough	Stale fuel, dirty air filter, dirty spark plug.	Drain old fuel and add fresh, clean/replace air filter, clean/replace spark plug.

The intelligent gauge on the control panel can provide diagnostic information, such as low oil alerts, to help identify issues.



Figure 6: Digital display meter providing real-time operational data and alerts.

## SPECIFICATIONS

Feature	Detail
Brand	Aceup Energy
Model Name	AI4500F
Wattage	3600 Watt-hours (Running), 4500 Watts (Starting)
Fuel Type	Gas
Engine Type	4 Stroke, 223 Cubic Centimeters
Tank Volume	2.65 Gallons

Feature	Detail
Runtime	10 hours (at quarter-load)
Voltage	120 Volts (AC)
Frequency	60 Hz
Item Weight	62.83 Pounds
Product Dimensions	19.3"L x 15.75"W x 18.9"H
Included Components	Oil funnel, Spark plug wrench, Manual, A bottle of oil

## WARRANTY AND SUPPORT

Your Aceup Energy AI4500F Inverter Generator is backed by a **2-year limited warranty**. Additionally, Aceup Energy provides **free lifetime technical guidance from experts**.

For warranty claims, technical assistance, or any other inquiries, please refer to the contact information provided in your product packaging or visit the official Aceup Energy website.

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