

A-iPower AP10700E

A-iPower 10700-Watt Electric Start Portable Generator AP10700E User Manual

Model: AP10700E

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your A-iPower 10700-Watt Electric Start Portable Generator, model AP10700E. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage. The A-iPower AP10700E is a heavy-duty, gas-powered portable generator designed for home use, job sites, emergencies, and power outages. It features a 459cc OHV engine and offers both electric push-button start and recoil start options.

2. PRODUCT FEATURES

- **Electric Start:** Convenient electric push-button start system with included battery.
- **Recoil Start:** Manual recoil start option for backup.
- **Powerful Engine:** Equipped with a 459cc OHV high-performance engine featuring a cast iron sleeve for durability, fuel efficiency, and excellent heat dissipation.
- **High Output:** Delivers 10,700 starting watts and 8,500 running watts on gasoline.
- **Multi-Featured Control Panel:** Includes a CO sensor indicator light, digital data center (displaying voltage, frequency, and hours), electric push-button start, 2x 5-20R GFCI (20A, 120V) outlets, 1x L5-30R (30A, 120V) outlet, 1x L14-30R (30A, 120/240V) outlet, and 1x 14-50R (50A, 120/240V) outlet.
- **Robust Construction:** Heavy-duty frame with a durable powder-coated finish.

PRODUCT FEATURES



ELECTRIC START

Convenient Electric Start System
- Battery Included



POWERFUL ENGINE

459cc OHV Engine
With Cast Iron Sleeve



LONG RUN TIME

10.8-gallon fuel tank for extended
run-time of 22 hrs at 25% load



HEAVY DUTY FRAME

Tough Tubular Design With
Durable Powder Coated Finish



This image displays the front of the A-iPower AP10700E portable generator, highlighting its robust frame and control panel.

3. SETUP

Before first use, several components must be assembled and fluids added. Ensure the generator is on a flat, stable surface in a well-ventilated area, away from any ignition sources.

3.1 Unboxing and Inventory

Carefully remove all contents from the packaging. Verify that all parts listed in the 'Included in Box' section are present.

VARIETY OF USES



POWER OUTAGE / EMERGENCIES



JOB SITE



OUTDOOR EVENTS

This image shows the items typically found in the generator's packaging, including the user manual, a toolkit, engine oil with a funnel, and the battery.

3.2 Wheel and Handle Assembly

1. Attach the wheels to the generator frame using the provided hardware.
2. Install the handles onto the frame. Ensure they are securely fastened.

3.3 Adding Engine Oil

The generator is shipped without engine oil. It is crucial to add the correct type and amount of oil before starting.

1. Place the generator on a level surface.
2. Remove the oil fill cap/dipstick.
3. Using the provided funnel, slowly add the recommended engine oil (e.g., 10W-30) until it reaches the upper mark on the dipstick. Do not overfill.
4. Securely replace the oil fill cap/dipstick.

3.4 Adding Fuel

Use only fresh, unleaded gasoline with an octane rating of 87 or higher. Do not use E85 fuel.

1. Ensure the generator is turned off and cool.
2. Open the fuel tank cap.
3. Carefully pour gasoline into the fuel tank, leaving a small air gap at the top to allow for expansion.
4. Securely close the fuel tank cap. Wipe up any spilled fuel immediately.

3.5 Battery Connection (for Electric Start)

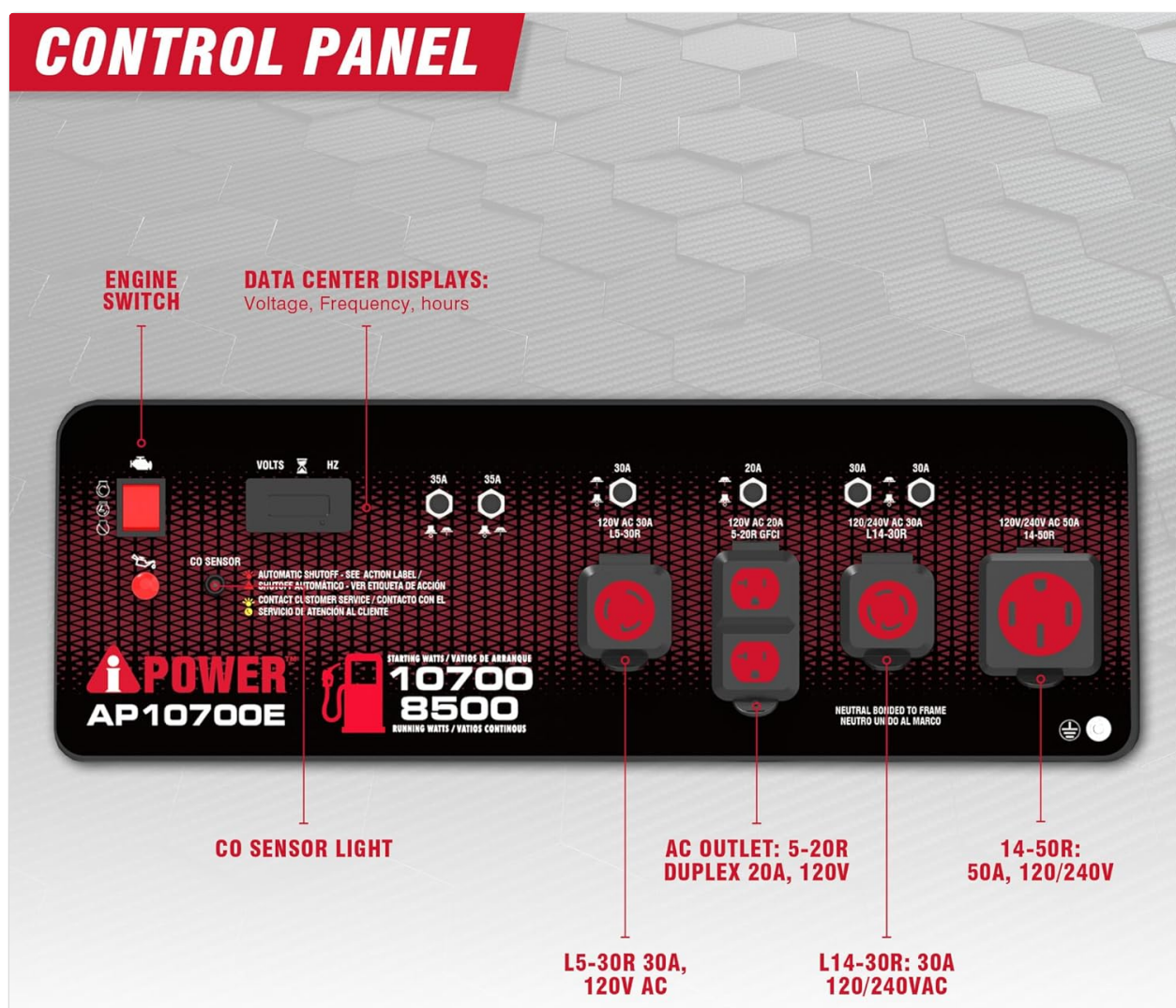
Connect the battery terminals as instructed in the quick-start guide. Ensure positive (+) and negative (-) terminals are connected correctly to avoid damage.

4. OPERATING INSTRUCTIONS

Always operate the generator outdoors in a well-ventilated area, far from windows, doors, and vents to prevent carbon monoxide poisoning.

4.1 Control Panel Overview

Familiarize yourself with the control panel components before starting the generator.



A side view of the generator, focusing on the control panel with various outlets and indicators.

DIMENSIONS

(L)28.7" x (W)21.9" x (H)27.8"

242 LBS



The rear view of the generator, illustrating the engine components and exhaust system.

4.2 Starting the Generator (Electric Start)

1. Ensure all electrical loads are disconnected from the generator.
2. Turn the fuel valve to the 'ON' position.
3. Set the engine switch to 'ON'.
4. If the engine is cold, move the choke lever to the 'CHOKE' position.
5. Press and hold the electric start button until the engine starts.
6. Once the engine starts, slowly move the choke lever to the 'RUN' position.

4.3 Starting the Generator (Recoil Start)

1. Follow steps 1-4 from the Electric Start procedure.
2. Grasp the recoil starter handle firmly and pull it slowly until resistance is felt, then pull quickly and smoothly.
3. Repeat until the engine starts.
4. Once the engine starts, slowly move the choke lever to the 'RUN' position.

4.4 Connecting Electrical Loads

After the generator has been running for a few minutes and is stable, you can connect your electrical devices.

1. Ensure the total wattage of connected devices does not exceed the generator's running wattage.
2. Plug in your devices one at a time.
3. Monitor the digital data center for voltage and frequency readings.

4.5 Shutting Down the Generator

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

4.6 Official Product Video

Official video demonstrating the features and operation of the A-iPower 10700-Watt Portable Generator.

5. MAINTENANCE

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

5.1 Maintenance Schedule

Item	Every Use	Every 50 Hrs / Monthly	Every 100 Hrs / 6 Months	Every 300 Hrs / Annually
Check Engine Oil Level	✓			
Change Engine Oil		✓ (First 20 Hrs)	✓	
Clean Air Filter		✓		
Check Spark Plug			✓	
Replace Spark Plug				✓
Check Fuel Filter			✓	

5.2 Storage

For long-term storage (more than 30 days), proper preparation is essential to prevent fuel degradation and engine damage.

1. Drain the fuel tank and carburetor.
2. Add a fuel stabilizer if draining is not possible.
3. Change the engine oil.
4. Remove the spark plug and pour a small amount of engine oil into the cylinder, then slowly pull the recoil starter a few times to distribute the oil. Reinstall the spark plug.

5. Clean the generator thoroughly.
6. Store in a clean, dry, well-ventilated area.

6. TROUBLESHOOTING

This section provides solutions for common issues you might encounter with your generator.

Problem	Possible Cause	Solution
Engine will not start	No fuel Low oil level Engine switch OFF Choke not set correctly Spark plug issue Battery low (electric start)	Add fuel Add oil Turn engine switch ON Adjust choke Inspect/clean/replace spark plug Charge/replace battery
No power output	Circuit breaker tripped Overload Faulty outlet	Reset circuit breaker Reduce load Contact service for outlet repair
Engine runs rough	Stale fuel Dirty air filter Spark plug fouled	Drain and refill with fresh fuel Clean/replace air filter Clean/replace spark plug
CO Sensor light active	High carbon monoxide levels detected	Move generator to a well-ventilated outdoor area immediately. Allow to clear before restarting.

7. SPECIFICATIONS

Specification	Detail
Brand	A-iPower
Model Name	AP10700E
Starting Wattage	10700 Watts
Running Wattage	8500 Watts
Engine Type	459cc OHV 4-Stroke
Fuel Type	Gasoline
Power Source	Fuel Powered
Voltage	120 Volts / 240 Volts
Product Dimensions	28.7"L x 21.9"W x 27.8"H
Item Weight	255 pounds

Specification	Detail
Material	Aluminum (frame)
Special Feature	Automatic Idle Control, CO Sensor
Included Components	Generator, Owners Manual, Quick Start Guide, Toolkit

8. WARRANTY

A-iPower stands behind its products and offers a 2-year limited manufacturer's warranty for the AP10700E portable generator. This warranty covers defects in material and workmanship under normal use and service. Please refer to the warranty card included with your product or visit the official A-iPower website for full terms and conditions.

9. SUPPORT

For technical assistance, parts, or warranty claims, please contact A-iPower customer support. Have your model number (AP10700E) and serial number ready when contacting support.

Website: Visit the official A-iPower website for FAQs, support documents, and contact information.

Phone: Refer to your quick start guide or the A-iPower website for the most current customer service phone number.