

PowerSmart GE

PowerSmart 4400W Gas Powered Portable Inverter Generator User Manual

Model: GE

INTRODUCTION

This manual provides essential instructions for the safe operation, maintenance, and troubleshooting of your PowerSmart 4400W Gas Powered Portable Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The PowerSmart Inverter Generator is designed to provide clean, stable power for various applications, including camping, tailgating, home emergency use, and DIY projects. It features inverter technology for sensitive electronics and an ECO mode for fuel efficiency.



Image: PowerSmart 4400W Gas Powered Portable Inverter Generator, front view.

IMPORTANT SAFETY INFORMATION

Always follow basic safety precautions when operating this generator to reduce the risk of fire, electric shock, and personal injury.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Operate the generator outdoors in a well-ventilated area, far from windows, doors, and vents. Never operate indoors or in enclosed spaces.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all connections are dry and secure. Never touch the generator with wet hands.
- **Fire Hazard:** Gasoline is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not smoke near the generator. Store fuel in approved containers.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for a period after shutdown. Avoid contact to prevent burns.
- **Read the Manual:** Read and understand all instructions and safety warnings in this manual before

operating the generator.

PRODUCT OVERVIEW

Control Panel Features

Familiarize yourself with the control panel components for safe and efficient operation.

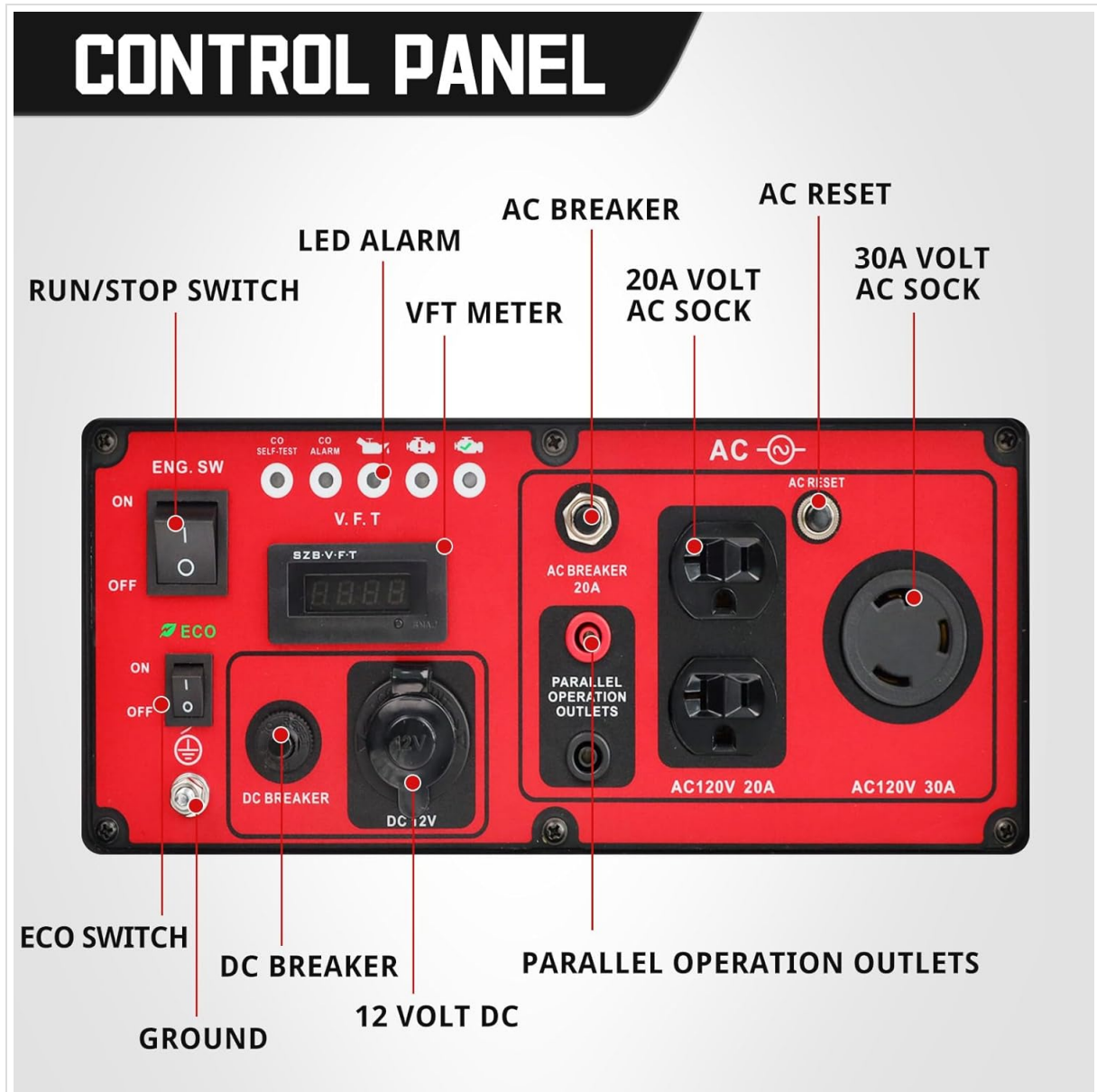


Image: Detailed diagram of the PowerSmart Inverter Generator control panel, showing labels for each component.

1. **ENG. SW (Engine Switch):** Controls engine operation (ON/OFF).
2. **LED Alarm:** Indicates various operational statuses or warnings.
3. **V.F.T. Meter:** Displays Voltage, Frequency, and Run Time.
4. **AC Breaker 20A:** Overload protection for 20A AC outlets.
5. **AC Reset:** Button to reset AC output after an overload.
6. **AC120V 20A Sockets:** Standard 120V AC outlets.
7. **AC120V 30A Socket:** 120V AC 30A twist-lock outlet.

8. **ECO Switch:** Activates or deactivates Eco-throttle mode for fuel efficiency.
9. **DC Breaker:** Overload protection for the DC 12V outlet.
10. **DC 12V Outlet:** 12-volt DC power output.
11. **Ground Terminal:** Point for connecting a ground wire.
12. **Parallel Operation Outlets:** Connectors for parallel kit (sold separately) to link two generators.

SETUP AND PREPARATION

Unpacking

Carefully remove the generator from its packaging. Inspect for any shipping damage. Retain packaging for future storage or transport.

Adding Engine Oil

The generator is shipped without engine oil. Before first use, add the recommended amount and type of engine oil (refer to specifications for details). Do not overfill.

Adding Fuel

Use fresh, unleaded gasoline with an octane rating of 87 or higher. Fill the fuel tank carefully, avoiding spills. Do not fill above the maximum fill line.

Grounding the Generator

For safety, connect a ground wire from the generator's ground terminal to a suitable earth ground rod.

OPERATING INSTRUCTIONS

Starting the Engine

1. Ensure the generator is on a level surface and all electrical loads are disconnected.
2. Turn the fuel valve to the ON position.
3. Move the choke lever to the CHOKE position (if engine is cold).
4. Set the Engine Switch (ENG. SW) to the ON position.
5. Pull the recoil starter handle firmly until the engine starts.
6. Once the engine starts, gradually move the choke lever to the RUN position.

Connecting Electrical Loads

After the engine is running smoothly, you can connect your electrical devices to the appropriate AC or DC outlets. Do not exceed the generator's rated wattage.

ECO Mode Operation

To activate ECO mode, press the ECO switch to the ON position. In ECO mode, the engine speed automatically adjusts to the load, improving fuel efficiency and reducing noise. For full power or starting high-load devices, turn ECO mode OFF.

Parallel Operation (Optional)

This generator is parallel ready. To double your power output, you can connect two compatible PowerSmart inverter generators using a parallel kit (sold separately). Refer to the parallel kit's instructions for detailed setup.



Image: Two PowerSmart generators operating in parallel, demonstrating increased power capability.

Stopping the Engine

1. Disconnect all electrical loads from the generator.
2. Set the Engine Switch (ENG. SW) to the OFF position.
3. Turn the fuel valve to the OFF position.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the lifespan of your generator. Always perform maintenance with the engine off and cool.

- **Check Engine Oil:** Check oil level before each use. Change oil after the first 20 hours of operation, then every 100 hours or annually.
- **Clean Air Filter:** Inspect the air filter every 50 hours or more frequently in dusty conditions. Clean or replace as needed.
- **Inspect Spark Plug:** Check the spark plug every 100 hours. Clean or replace if fouled or worn.
- **Fuel System:** Drain the fuel system if storing the generator for an extended period (over 30 days) to prevent fuel degradation.
- **General Cleaning:** Keep the generator clean and free of debris.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Choke not set correctly; Engine switch OFF	Add fuel; Add oil; Adjust choke; Turn engine switch ON
No power output	AC breaker tripped; Overload; ECO mode ON with high load	Reset AC breaker; Reduce load; Turn ECO mode OFF for high loads
Engine runs rough	Stale fuel; Dirty air filter; Fouled spark plug	Drain and replace fuel; Clean/replace air filter; Clean/replace spark plug

For issues not listed here, please contact customer support.

TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	PowerSmart
Model Name	GE
Starting Wattage	2350 Watts (Peak 4400W as per product title and 4450W on product image)
Running Wattage	1900 Watts (Running 3680W on product image)
Fuel Type	Gasoline
Power Source	Gas Powered
Engine Type	Gasoline
Ignition System	Recoil Start
Item Weight	50 Pounds
Package Dimensions	17.72 x 11.3 x 6.18 inches

Feature	Specification
Total Power Outlets	2 (AC120V 20A, AC120V 30A) + 1 (DC 12V)
Material	Plastic (housing)
Color	Red-Black
THD (Total Harmonic Distortion)	Less than 3%

WARRANTY AND CUSTOMER SUPPORT




This PowerSmart generator comes with a **2 Year Warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.




For technical assistance, parts, or warranty inquiries, please contact the manufacturer, Amerisun Inc., or visit the official PowerSmart website.

Manufacturer: Amerisun Inc.

For support, please refer to the contact information provided with your product packaging or visit the [PowerSmart Store on Amazon](#).

Related Documents - GE

 <p>POWER SMART[®] INSTRUCTION MANUAL 4400W FRAME INVERTER GENERATOR Model # MB5040A</p>	<p>PowerSmart 4400W Frame Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart 4400W Frame Inverter Generator models MB5040A and MB5040B, covering technical data, safety information, operation, maintenance, troubleshooting, and warranty details.</p>
 <p>POWER SMART[®] INSTRUCTION MANUAL 4400W FRAME INVERTER GENERATOR Model # DL5040C</p>	<p>PowerSmart DL5040C 4400W Frame Inverter Generator Instruction Manual</p> <p>This instruction manual provides essential information for the safe operation, maintenance, and troubleshooting of the PowerSmart DL5040C 4400W Frame Inverter Generator. Learn about its features, technical specifications, and how to use it effectively.</p>
 <p>POWER SMART[®] INSTRUCTION MANUAL 4400W FRAME INVERTER GENERATOR Model # DL5040</p>	<p>PowerSmart DL5040 4400W Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart DL5040 4400W Frame Inverter Generator, covering safety, operation, maintenance, and troubleshooting.</p>

 <p>POWER SMART INSTRUCTION MANUAL 2500W Inverter Generator Model # PS5025</p> <p>Best product support is just a QR code away! Scan the QR code to view our helpful website and contact us!</p> <p>Website: www.power-smart.com Toll-free: 1-800-761-4468 • Fax: 1-800-225-0262 • Email: info@psmart.com Email: support@psmart.com • www.ps-smart.com</p>	<p>PowerSmart PS5025 2500W Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart PS5025 2500W Inverter Generator, covering safety, operation, maintenance, and troubleshooting.</p>
 <p>POWER SMART INSTRUCTION MANUAL 4400W Open Frame Inverter Generator Model # PS5040</p> <p>Best product support is just a QR code away! Scan the QR code to view our helpful website and contact us!</p> <p>Website: www.power-smart.com Toll-free: 1-800-761-4468 • Fax: 1-800-225-0262 • Email: info@psmart.com Email: support@psmart.com • www.ps-smart.com</p>	<p>PowerSmart PS5040 4400W Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart PS5040 4400W Open Frame Inverter Generator, covering safety, operation, maintenance, and troubleshooting. Includes technical specifications and warranty information.</p>
 <p>POWER SMART INSTRUCTION MANUAL 4400W FRAME INVERTER GENERATOR Model # MB5040DC</p> <p>Best product support is just a QR code away! Scan the QR code to view our helpful website and contact us!</p> <p>Website: www.power-smart.com Toll-free: 1-800-761-4468 • Fax: 1-800-225-0262 • Email: info@psmart.com Email: support@psmart.com • www.ps-smart.com</p>	<p>PowerSmart MB5040DC 4400W Frame Inverter Generator Instruction Manual</p> <p>Comprehensive instruction manual for the PowerSmart MB5040DC 4400W Frame Inverter Generator, covering safety, operation, maintenance, troubleshooting, and warranty information.</p>