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Garvee GR4200iE

Garvee GR4200iE Inverter Generator User Manual

Dual Fuel (LP Gas/Gasoline) 3.8/3.6kVA Silent Type Hybrid Generator

1. Introduction

Thank you for purchasing the Garvee GR4200iE Inverter Generator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before use and keep it for future reference.

The Garvee GR4200iE is a versatile dual-fuel inverter generator, capable of running on both gasoline and LP gas. It offers a rated output of 3.8kVA (gasoline) and 3.6kVA (LP gas), with a maximum output of 3800W. Its silent design and pure sine wave output make it suitable for a wide range of applications, from powering sensitive electronics during emergencies to providing power for outdoor activities and job sites.



Image: The Garvee GR4200iE generator is designed for diverse applications, including emergency backup, home use, mobile businesses, construction, agriculture, and camping.

2. Safety Information

WARNING: Failure to follow these safety instructions could result in serious injury or death.

- **Carbon Monoxide Hazard:** Never operate the generator indoors or in poorly ventilated areas. Exhaust contains carbon monoxide, a colorless, odorless, poisonous gas.
- **Fire Hazard:** Fuel is highly flammable. Refuel in a well-ventilated area with the engine off and cool. Do not overfill.
- **Electrical Shock Hazard:** Do not operate in wet conditions. Ensure all electrical connections are secure and dry. Ground the generator properly.
- **Hot Surfaces:** The generator engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact.
- **Children and Pets:** Keep children and pets away from the generator during operation.
- **Read the Manual:** Always read and understand the entire instruction manual before operating the generator.



Image: The control panel features various output ports and safety indicators, including oil warning, overload warning, and overcurrent protection.

3. Product Overview

3.1 Key Features

- **Dual Fuel Capability:** Operates on both gasoline and LP gas, providing flexibility and extended run times.
- **High Output:** 3.8kVA (gasoline) / 3.6kVA (LP gas) rated output, capable of powering large appliances and tools.
- **Pure Sine Wave Inverter:** Delivers clean, stable power suitable for sensitive electronics.
- **Quiet Operation:** Designed for low noise levels (56dB at 7m), making it suitable for various environments.
- **Easy Start:** Features both recoil and electric (push-button) start for convenient operation.
- **Multi-function LED Panel:** Displays fuel level, output wattage, voltage, and operational status (normal, overload, low oil).
- **Parallel Connection Capable:** Connect two units for increased power output (up to 7.2kVA).
- **Portability:** Equipped with large wheels and a foldable handle for easy transport.

3.2 Included Accessories

DC charging cable

Engine oil funnel

Spark plug wrench

AC plugs

Screwdriver

User Manual



Image: Included accessories for the Garvee GR4200iE generator.

3.3 Control Panel and Indicators



Image: The multi-function digital display panel provides real-time information on fuel levels, output, and voltage.

The digital multi-meter on the control panel allows you to quickly check fuel remaining, output wattage, and voltage. LED lights indicate normal operation, overload, and low oil conditions, providing a clear overview of the generator's status.



Image: The generator is equipped with four output ports, allowing simultaneous use of various electrical appliances with different voltage and current requirements.

4. Setup

4.1 Initial Preparation

1. **Unpacking:** Carefully remove the generator and all accessories from the packaging.
2. **Placement:** Place the generator on a firm, level surface in a well-ventilated outdoor area, away from windows, doors, and vents.
3. **Oil Fill:** Before first use, add the specified amount of engine oil (0.5L, API SE class or higher, SAE 10W-40) using the provided funnel. Do not overfill.

4.2 Fueling with Gasoline

1. Ensure the engine is off and cool.
2. Open the fuel tank cap.
3. Pour unleaded gasoline (regular gasoline for automobiles) into the fuel tank (10L capacity). Do not overfill.
4. Securely close the fuel tank cap.



Image: Refueling the generator with gasoline.

4.3 Connecting LP Gas

1. Ensure the engine is off and cool.
2. Connect a dedicated LP gas hose (sold separately) to the generator's LP gas inlet.
3. Connect the other end of the hose to an LP gas cylinder (10KG capacity).
4. Check for any gas leaks using a soapy water solution.



Image: Connecting the LP gas cylinder to the generator.

5. Operating Instructions

5.1 Starting the Engine (Gasoline)

1. Inject the specified engine oil.
2. Add fuel.
3. Turn the Eco Mode switch to "OFF".
4. Turn the tank cap vent knob to "ON".
5. Set the engine switch to the "CHOKE" position.
6. **For Recoil Start:** Pull the recoil starter handle firmly until resistance is felt, then pull quickly.
7. **For Electric Start:** Press and hold the electric start button until the engine starts, then slowly release.
8. Once the engine stabilizes, slowly move the engine switch to the "RUN" position.



Image: Engine starting procedure using gasoline.

5.2 Starting the Engine (LP Gas)

1. Inject the specified engine oil.
2. Connect the dedicated LP gas hose and ensure no gas leaks.
3. Turn the Eco Mode switch to "OFF".
4. Set the engine switch to the "CHOKE" position.
5. Open the valve on the LP gas cylinder.
6. **For Recoil Start:** Pull the recoil starter handle firmly until resistance is felt, then pull quickly.
7. **For Electric Start:** Press and hold the electric start button until the engine starts, then slowly release.
8. Once the engine stabilizes, slowly move the engine switch to the "RUN" position.



Image: Engine starting procedure using LP gas.

5.3 Easy Start for Beginners

For easier starting, especially for those with less physical strength, the generator features an electric start button. Simply press the "Electric Start Button" on the engine switch firmly all the way in, then slowly release it. The engine will start easily.

製品仕様



直流電源用充電ケーブル



エンジンオイル給油用じょうご



点火プラグレンチ



ACプラグ



ドライバー



型番	GR4200IE
燃料タンク容量	10L/10KG
定格出力	ガソリン：3.8KW/LPガス：3.6KW
定格電圧	AC 100V（50HZ/60HZ）
定格電流	AC 20A/30A
直流定格電圧	12V（8A）
騒音レベル	56dB
本体サイズ	約 54X34X53CM
本体重量	約 30KG
使用燃料	無鉛ガソリン（自動車用レギュラーガソリン)/LP ガス
使用潤滑油容量	0.5L
使用潤滑油	API 分類 SE 級以上エンジンオイル(SAE 10W-40)
セット内容	本体、AC プラグ、直流電源用充電ケーブル、点火プラグレンチ、エンジンオイル給油用じょうご、ドライバー

Image: Using the electric start button for easy engine ignition.

5.4 Fuel Run Times

LPガス・ガソリン両用発電機

使用環境や状況に応じて両燃料を自由に選択できるため、非常時やアウトドアでも安定した電力供給ができます。低燃費でも長時間運転可能です。





ガソリン10Lの場合
連続運転時間

100%負荷	約5.5時間
75%負荷	約5.8時間
50%負荷	約7.7時間
25%負荷	約10.4時間

LPガス10KGの場合
連続運転時間

100%負荷	約7.8時間
75%負荷	約10時間
50%負荷	約13.2時間
25%負荷	約17.5時間

Image: Gasoline run times (10L tank): Approx. 5.5 hours at 100% load, 10.4 hours at 25% load.



Image: LP Gas run times (10KG cylinder): Approx. 7.8 hours at 100% load, 17.5 hours at 25% load.

5.5 Parallel Operation

The GR4200iE supports parallel connection, allowing you to link two generators to increase the total power output up to 7.2kVA. This feature is ideal for powering equipment with higher power consumption that a single unit cannot handle.



Image: Two GR4200iE generators connected in parallel. Note: Do not connect this product in parallel with generators other than the same model.

6. Maintenance

Regular maintenance is crucial for ensuring the longevity and optimal performance of your Garvee GR4200iE generator.

- **Engine Oil:** Check engine oil level before each use. Change oil after the first 20 hours of operation, then every 100 hours or every 6 months, whichever comes first.
- **Air Filter:** Inspect the air filter every 50 hours or every 3 months. Clean or replace if dirty.
- **Spark Plug:** Inspect the spark plug every 100 hours or every 6 months. Clean or replace if necessary.
- **Fuel Filter:** Inspect and clean the fuel filter every 100 hours or every 6 months.
- **Storage:** For long-term storage, drain the fuel tank and carburetor (for gasoline) or disconnect the LP gas cylinder. Store in a dry, well-ventilated area.

7. Troubleshooting

If you encounter issues with your generator, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Engine does not start	No fuel / Low oil level / Choke position incorrect / Spark plug issue / Battery disconnected (for electric start)	Add fuel / Fill oil to correct level / Adjust choke / Check spark plug / Connect battery terminal (refer to seller for details if needed)
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

Problem	Possible Cause	Solution
Engine runs rough or stalls	Stale fuel / Clogged fuel filter / Dirty air filter / Incorrect choke setting	Use fresh fuel / Clean fuel filter / Clean air filter / Adjust choke
Overload indicator light on	Connected appliances exceed generator capacity	Disconnect some appliances to reduce load. If problem persists, contact support.
Oil warning light on	Engine oil level is too low	Add engine oil to the correct level. The engine will automatically stop if oil is too low.

For issues not covered here or if problems persist, please contact Garvee customer support.

8. Specifications



Image: Approximate dimensions of the generator: 54cm (L) x 34cm (W) x 53cm (H).

Feature	Specification
Model Number	GR4200iE
Fuel Tank Capacity	10L (Gasoline) / 10KG (LP Gas)
Rated Output	3.8kW (Gasoline) / 3.6kW (LP Gas)
Rated Voltage	AC 100V (50Hz/60Hz switchable)
Rated Current	AC 20A/30A
DC Rated Voltage/Current	12V (8A)
Noise Level	56dB

Feature	Specification
Unit Dimensions (L x W x H)	Approx. 54cm x 34cm x 53cm
Unit Weight	Approx. 30 KG
Fuel Type	Unleaded Gasoline (Automotive Regular Gasoline) / LP Gas
Engine Oil Capacity	0.5L
Recommended Engine Oil	API SE class or higher (SAE 10W-40)
Special Features	Dual Fuel, Low Fuel Consumption, Foldable Handle, Overload Protection, Pure Sine Wave, 50Hz/60Hz Switchable, Low Oil Protection, Long Continuous Operation
UPC	199414615730
Manufacturer	Garvee
Country of Origin	China

9. Warranty and Support

Your Garvee GR4200iE generator comes with a**1-year manufacturer's warranty**.
For warranty claims, technical support, or inquiries regarding parts and service, please contact the seller,**Garvee Official Shop**, directly. They can provide detailed parts lists and estimates for necessary repairs or replacements. Contact information for Garvee Official Shop can typically be found on your purchase receipt or through the Amazon order details page.

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