

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

- › [BILT HARD](#) /
- › [BILT HARD Dual Fuel Inverter Generator TGA-0256 User Manual](#)

BILT HARD TGA-0256

BILT HARD Dual Fuel Inverter Generator TGA-0256

USER MANUAL

BILT HARD

Committed to Changing Life Styles

[Introduction](#)

[Safety](#)

[Components](#)

[Setup](#)

[Operation](#)

[Maintenance](#)

[Troubleshooting](#)

[Specifications](#)

[Warranty](#)

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your BILT HARD Dual Fuel Inverter Generator, model TGA-0256. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.

The BILT HARD TGA-0256 is a portable dual-fuel inverter generator designed to provide clean, stable power for various applications, including home backup, camping, RV use, and job sites. It operates on both gasoline and propane, offering versatility and convenience.

- **Proper Grounding:** Always ground the generator properly before use to prevent electrical shock. Refer to local electrical codes for grounding requirements.
- **Children and Pets:** Keep children and pets away from the generator at all times.

CARBON MONOXIDE AUTO-SHUTOFF



CO Shieldo technology will shut off the generator before harmful levels of carbon monoxide accumulate in the generator's operating area.

Image 2.1: Illustration of the Carbon Monoxide Auto-Shutoff system, showing automatic shutdown and service indicators.

3. Product Overview and Components

Familiarize yourself with the main components and control panel of your BILT HARD TGA-0256 generator.

CONTROL PANEL

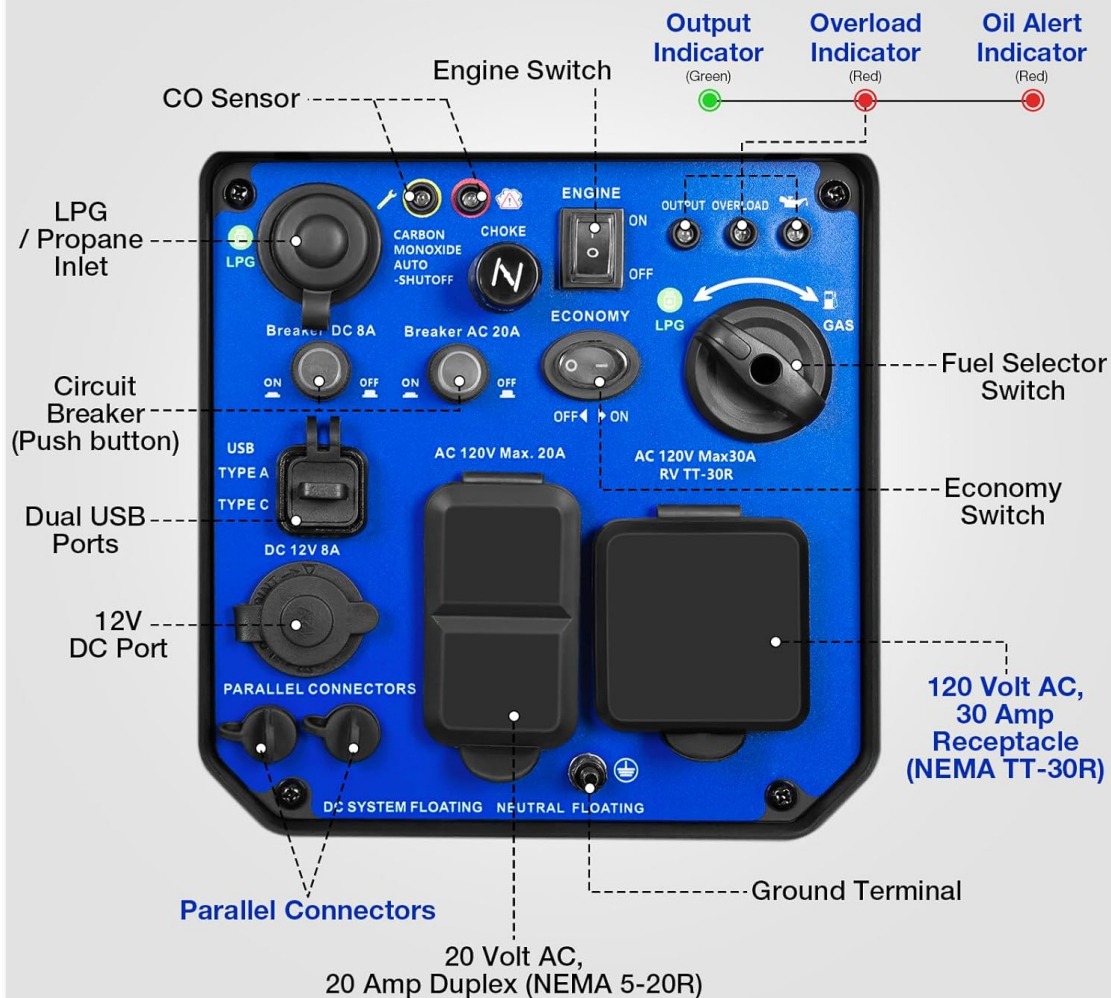


Image 3.1: Detailed view of the generator's control panel, indicating the location of the CO Sensor, Engine Switch, Output/Overload/Oil Alert Indicators, Fuel Selector Switch, Economy Switch, Circuit Breakers, Dual USB Ports, 12V DC Port, AC Outlets (120V 20A Duplex, 120V 30A RV), Parallel Connectors, and Ground Terminal.

Key Components:

- **Engine Switch:** Controls engine operation (ON/OFF).
- **Fuel Selector Switch:** Allows selection between Gasoline and LPG (Propane) fuel sources.
- **CO Sensor:** Detects carbon monoxide levels and triggers automatic shutdown if necessary.
- **Output Indicator (Green):** Illuminates when the generator is producing power.
- **Overload Indicator (Red):** Illuminates if the generator is overloaded.
- **Oil Alert Indicator (Red):** Illuminates if the oil level is low.
- **Economy Switch:** Engages ECO mode to adjust engine speed based on load, saving fuel and reducing noise.
- **AC 120V 20A Duplex Receptacle (NEMA 5-20R):** Standard household outlets.
- **AC 120V Max 30A RV Receptacle (TT-30R):** For RV and higher power applications.
- **Dual USB Ports (Type A & C):** For charging sensitive electronic devices.
- **12V 8A DC Output:** For 12V DC appliances.
- **Circuit Breakers:** Protect outlets from overload.
- **Parallel Connectors:** For connecting two compatible generators to double power output.

(parallel kit sold separately).

- **Ground Terminal:** For proper grounding of the generator.

4. Setup

4.1 Unpacking

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

4.2 Adding Engine Oil

The generator is shipped without engine oil. Before first use, add the recommended amount and type of oil. Refer to the engine section of this manual for oil specifications and capacity. Do not overfill.

4.3 Fueling the Generator

- **Gasoline:** Use fresh, unleaded gasoline with an octane rating of 87 or higher. Fill the fuel tank carefully, avoiding spills. Do not fill above the red indicator line.
- **Propane (LPG):** Connect the provided propane hose with regulator to a standard propane tank and to the generator's LPG inlet. Ensure all connections are tight to prevent leaks.

WARNING: Never mix oil with gasoline. Always refuel in a well-ventilated area with the engine off and cool.

4.4 Grounding the Generator

Connect a ground wire from the generator's ground terminal to a suitable earth ground (e.g., a ground rod). Consult local electrical codes for specific grounding requirements.

5. Operating Instructions

5.1 Starting the Generator

1. Ensure the generator is on a level surface and properly grounded.
2. Disconnect all electrical loads from the generator.
3. Select the desired fuel type using the **Fuel Selector Switch** (Gas or LPG).
4. Turn the **Engine Switch** to the 'ON' position.
5. If starting on gasoline, pull the choke lever to the 'CHOKE' position (if engine is cold).
6. Firmly pull the recoil starter handle until the engine starts.
7. Once the engine starts, slowly push the choke lever back to the 'RUN' position (if used).
8. Allow the engine to run for a few minutes to warm up before connecting electrical loads.

5.2 Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Turn the **Engine Switch** to the 'OFF' position.
3. If using propane, close the valve on the propane tank.

5.3 Using ECO Mode

The **Economy Switch** allows the generator to adjust engine speed to match the load, improving fuel efficiency and reducing noise. To activate, turn the Economy Switch to 'ON'. For full power output or when starting high-load appliances, turn the Economy Switch to 'OFF'.



Image 5.1: Close-up of the Economy Mode switch, showing ON and OFF positions.

5.4 Connecting Electrical Loads

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



Image 5.2: The BILT HARD generator connected to an RV, demonstrating the use of the 30 Amp RV outlet.

5.5 Parallel Operation

The BILT HARD TGA-0256 generator is parallel capable, allowing you to connect two identical units (with a parallel kit, not included) to double the power output. Follow the instructions provided with your parallel kit for safe connection and operation.



Image 5.3: Two BILT HARD generators connected for parallel operation, doubling the available power.

6. Maintenance

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

6.1 Maintenance Schedule

Item	Before Each Use	Every 25 Hours / Monthly	Every 100 Hours / Annually
Check Engine Oil Level	✓		
Clean Air Filter		✓	
Inspect Spark Plug			✓

Item	Before Each Use	Every 25 Hours / Monthly	Every 100 Hours / Annually
Change Engine Oil			✓
Inspect Fuel Filter			✓

6.2 Storage

For long-term storage, prepare the generator as follows:

- Drain the fuel tank and carburetor of gasoline, or add a fuel stabilizer.
- Change the engine oil.
- Remove the spark plug and pour a small amount of engine oil into the cylinder. Pull the recoil starter a few times to distribute the oil, then reinstall the spark plug.
- Clean the exterior of the generator.
- Store in a clean, dry, well-ventilated area, away from direct sunlight and extreme temperatures.

7. Troubleshooting

This section addresses common issues you might encounter with your generator.

Problem	Possible Cause	Solution
Engine will not start	No fuel or incorrect fuel type selected	Add fresh fuel; ensure correct fuel type is selected.
	Low engine oil	Add engine oil to the correct level.
	Spark plug fouled or damaged	Clean or replace spark plug.
No power output	Circuit breaker tripped	Reset the circuit breaker. Reduce load.
	Overload indicator illuminated	Reduce connected load.
Engine runs, but no power	ECO mode engaged with high load	Turn ECO mode off for full power.
CO Sensor light on / Engine shuts off	High carbon monoxide levels detected	Move generator to a well-ventilated outdoor area. Allow to clear before restarting.

8. Specifications

Detailed technical specifications for the BILT HARD TGA-0256 Dual Fuel Inverter Generator.

Feature	Specification
Model	TGA-0256

Feature	Specification
Engine Type	141cc OHV 4-Stroke
Fuel Type	Gasoline / Propane (LPG)
Gasoline Peak Watts	4500 Watts
Gasoline Rated Watts	3500 Watts
Propane Peak Watts	4150 Watts
Propane Rated Watts	3200 Watts
Voltage	120 Volts (AC)
Total Harmonic Distortion (THD)	<3%
Noise Level (at 23 ft)	58 dBA
Fuel Tank Volume	1.37 Imperial Gallons (Gasoline)
Starting System	Recoil Start
Product Dimensions (L x W x H)	21.4" x 12.7" x 19.3"
Item Weight	57.6 pounds
Special Features	CO Sensor, Dual Fuel, Portable, USB Port, Parallel Capable

DIMENSION

58
LBS



Image 8.1: Dimensional drawing of the BILT HARD TGA-0256 generator, showing its length, width, and height.

9. Warranty and Support



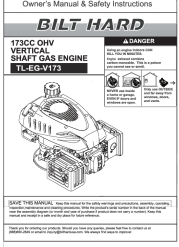


BILT HARD products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official BILT HARD website. Keep your purchase receipt as proof of purchase for any warranty claims.

Customer Support:

If you have questions, require technical assistance, or need to order replacement parts, please contact BILT HARD customer support. Contact information can typically be found on the product packaging, the official website, or the warranty documentation.

For online resources and additional product information, you may visit the [BILT HARD Store on Amazon](#).

Related Documents - TGA-0256

	<p>BILT HARD TGA-0253 Dual Fuel Inverter Generator Operator's Manual</p> <p>Operator's manual for the BILT HARD TGA-0253 Dual Fuel Inverter Generator, covering specifications, safety, assembly, operation, maintenance, troubleshooting, and parts.</p>
	<p>BILT HARD TGA-0252 Inverter Generator Operator's Manual</p> <p>Comprehensive operator's manual for the BILT HARD TGA-0252 Inverter Generator. Learn about safety features, operation, maintenance, troubleshooting, and specifications for this portable power generator.</p>
	<p>BILT HARD 173CC OHV Vertical Shaft Gas Engine Owner's Manual & Safety Instructions</p> <p>Comprehensive owner's manual and safety instructions for the BILT HARD 173CC OHV Vertical Shaft Gas Engine (Model TL-EG-V173). Covers specifications, setup, operation, maintenance, troubleshooting, and warranty information.</p>
	<p>BILT HARD 22\" data-bbox="218 553 721 568"/></p> <p>Instructions on how to adjust the mowing height for the BILT HARD 22\" data-bbox="218 573 874 623"/></p>
	<p>BILT HARD Semi Trash Pump User Manual</p> <p>User manual for the BILT HARD Semi Trash Pump, a 2-inch, 158 GPM, 6.5 HP gas-powered water pump with a 196cc 4-cycle engine. Includes details on operation, maintenance, and safety.</p>



[BILT HARD Gas Powered Earth Auger Instruction Manual](#)

Instruction manual for the BILT HARD Gas Powered Earth Auger, SKU: TDA-0651. Includes important safeguards, setup precautions, operating instructions, maintenance guidelines, and warranty information.