DuroStar DS13000MX

DuroStar DS13000MX 13,000-Watt Dual Fuel Portable Generator Instruction Manual

Model: DS13000MX

1. Overview

The DuroStar DS13000MX is a 13,000-watt (peak) / 10,500-watt (running) dual fuel portable generator, powered by a 500cc OHV engine. This generator is designed to provide reliable power for residential and commercial applications, including home backup during outages, job sites, and RV use. It operates on both gasoline and propane, offering fuel flexibility. Key features include a CO Alert system for safety, push-button electric start, and a transfer switch-ready 50-amp outlet.



Figure 1: DuroStar DS13000MX Dual Fuel Portable Generator.

2. Included Components

The following components are included with your DuroStar DS13000MX generator:

- Generator Unit
- Oil Funnel
- Spark Plug Wrench
- Tool Set
- Wheel & Handle Kit
- Propane Regulator
- Remote Control
- Owner's Manual

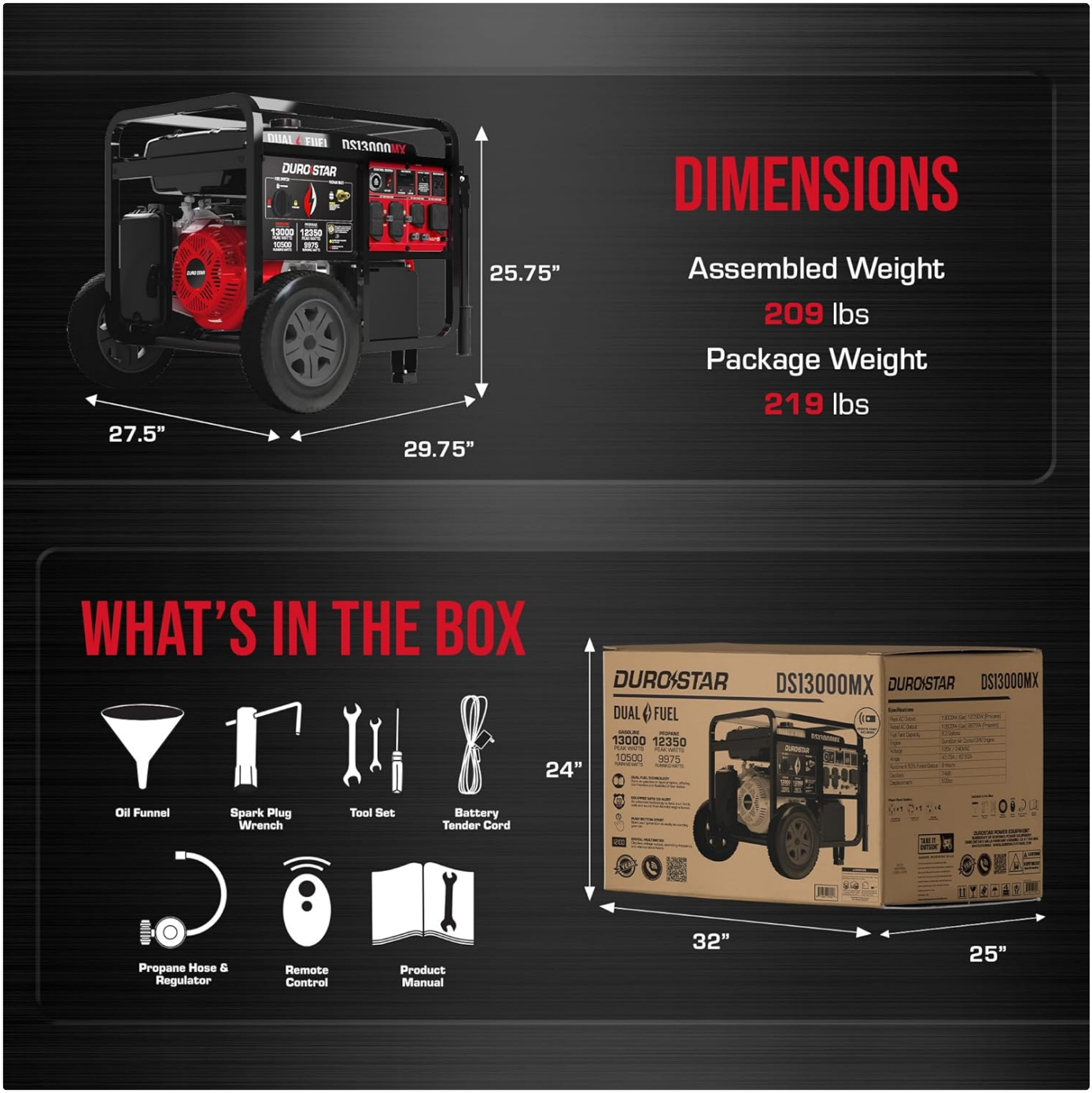


Figure 2: Included components and generator dimensions.

3. Setup

Before operating the generator, ensure it is placed on a level surface outdoors, away from windows, doors, and vents, to prevent carbon monoxide accumulation. Follow these initial setup steps:

1. **Assemble Wheels and Handles:** Attach the included wheel and handle kit for easy portability.
2. **Add Engine Oil:** Using the provided oil funnel, add the recommended engine oil to the crankcase. Do not overfill.
3. **Fueling:**
    - **Gasoline:** Fill the 8.3-gallon fuel tank with 87 minimum octane gasoline. Do not overfill.
    - **Propane:** Connect a propane tank to the propane inlet using the provided regulator and hose. Ensure all

connections are secure.

4. **Battery Connection:** Ensure the 12V 14Ah / 20Hr lead-acid battery is properly connected for electric start.



Figure 3: Moving the generator using its integrated handles.



Figure 4: Gasoline tank cap with 8.3-gallon capacity indicated.

4. Operation

The DS13000MX offers flexible operation with both gasoline and propane. Always ensure the generator is in a well-ventilated outdoor area before starting.

4.1. Control Panel Overview



Figure 5: The generator's control panel.

The control panel features:

- **Engine Start/Stop Button:** For electric starting and stopping the engine.
- **Battery Switch:** Activates the battery for electric start.
- **Multimeter:** Displays voltage, frequency, and runtime.
- **Charging/Low Oil Indicators:** Lights to show battery charging status and low oil level.
- **Battery Tender Port:** Use the provided battery tender to maintain battery life when the generator is not in use.
- **Main Breaker:** Overload protection for the generator.
- **Outlets:**
    - AC 120V 20A GFCI (2 outlets)
    - AC 120/240V 30A
    - AC 120/240V 50A (Transfer switch ready)

4.2. Fuel Selection and Starting

The generator can be started using either gasoline or propane. The fuel switch is located on the front panel.



Figure 6: Fuel selection panel with wattage ratings.

- **Gasoline Operation:** Turn the fuel switch to 'Gas'. Ensure the fuel shut-off valve (located near the engine) is open. Press the engine start button.
- **Propane Operation:** Turn the fuel switch to 'Propane'. Ensure the propane tank valve is open and the regulator is properly connected. Press the engine start button.
- **Remote Start:** The generator includes a remote control for convenient starting and stopping.



Figure 7: Remote control for starting and stopping the generator.

4.3. Connecting Appliances

Connect your appliances or transfer switch to the appropriate outlets on the control panel. The 50A outlet is designed for whole-home power backup when connected to a compatible transfer switch (sold separately).



Figure 8: Generator providing power to an external AC unit.

5. Maintenance

Regular maintenance ensures optimal performance and longevity of your generator. Always refer to the owner's manual for detailed maintenance schedules and procedures.

- **Oil Level Check:** Always check the engine oil level before each use. The low oil sensor will alert you if the oil level is insufficient.
- **Air Filter:** Regularly inspect and clean the air filter to ensure proper engine function.
- **Spark Plug:** Inspect and clean or replace the spark plug as recommended in the manual.
- **Fuel System:** For gasoline, use a fuel stabilizer if storing for extended periods. For propane, ensure connections are

clean and free of leaks.

6. Troubleshooting

For common issues, consult the troubleshooting section of your owner's manual. Here are some general points:

- **CO Alert:** The generator is equipped with a CO Alert system. If carbon monoxide is detected, the generator will automatically shut down. Move the generator to a fresh air location and allow it to cool before attempting to restart. If the CO Alert light remains on, refer to the manual for further instructions.
- **Engine Not Starting:** Check fuel levels (gasoline or propane), ensure the battery switch is on, and verify the spark plug connection.
- **No Power Output:** Check the main breaker on the control panel. Ensure all connected devices are within the generator's wattage capacity.

7. Specifications

Specification	Value
Brand	DuroStar
Model Name	Dual Fuel Portable Generator
Part Number	DS13000MX
Wattage (Peak)	13,000 Watts (Gasoline) / 12,350 Watts (Propane)
Wattage (Running)	10,500 Watts (Gasoline) / 9,975 Watts (Propane)
Engine Displacement	500 Cubic Centimeters
Fuel Type	Gasoline and Propane
Gasoline Tank Volume	8.3 Gallons
Voltage	240 Volts
Total Power Outlets	5
Item Weight	220 Pounds
Product Dimensions (L x W x H)	29.75" x 27.5" x 25.75"
Special Features	CO Sensor, Dual Fuel, Electric Start, Low Oil Shutdown, Portable

8. Warranty and Support

The DuroStar DS13000MX generator comes with a **3-Year Limited Factory Warranty**. For any questions, technical assistance, or warranty claims, please contact DuroStar's USA-based customer support team. Refer to your owner's manual for complete warranty details and contact information.

© 2025 DuroStar. All rights reserved.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question