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maXpeedingrods MXR3500

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Model: MXR3500 | Brand: maXpeedingrods

1. INTRODUCTION

Thank you for choosing the maXpeedingrods MXR3500 Portable Inverter Generator. This generator is designed to provide reliable, clean power for various applications, including home backup, outdoor camping, RV use, and tailgating. With 3500 peak watts and 3000 running watts, it is capable of powering sensitive electronics and essential appliances.

This manual provides important information regarding the safe operation, maintenance, and troubleshooting of your generator. Please read it thoroughly before operating the unit and keep it for future reference.

MAXPEEDINGRODS MXR3500



Figure 1.1: The maXpeedingrods MXR3500 Inverter Generator, highlighting its key features such as high rated power, multi-purpose use, low noise, clean power, long run time, ultra-light design, safety, and certification.

2. SAFETY INFORMATION

Operating a generator safely is crucial to prevent injury or damage. Always follow these guidelines:

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide (CO), an odorless, colorless, poisonous gas. Operate the generator outdoors in a well-ventilated area, far from windows, doors, and vents. Never operate it inside a home, garage, basement, crawl space, or other enclosed area. This generator is equipped with a CO Sensor for added safety.
- **Fire Hazard:** Gasoline is highly flammable. Store fuel in an approved container in a well-ventilated area. Do not refuel the generator while it is running or hot. Ensure the generator is on a level surface and away from combustible materials.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and dry. Never connect the generator directly to your home's electrical system without a transfer switch installed by a qualified electrician.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for a

period after shutdown. Avoid touching these surfaces to prevent burns.

- **Children and Pets:** Keep children and pets away from the generator during operation.

3. PACKAGE CONTENTS

Carefully unpack your generator and check for the following items:

- 1 x Inverter Generator (MXR3500)
- 1 x Spark Plug Socket Wrench
- 1 x Owner Manual
- 1 x Oil Funnel
- 1 x AU Plug
- 1 x Generator Parallel Cables
- 1 x Generator Cover (waterproof)
- 1 x Screwdriver
- 1 x Cigarette Lighter Plug

ACCESSORIES



Generator Parallel Cables



Cigarette Lighter Plug



Spark plug socket



Oil Funnel



AU Plug



Screwdriver



Generator cover

Figure 3.1: All accessories included with the MXR3500 generator, such as parallel cables, cigarette lighter plug, spark plug socket, oil funnel, AU plug, screwdriver, and generator cover.

4. SETUP

Before first use, proper setup is essential for safe and efficient operation.

4.1 Add Engine Oil

1. Place the generator on a level surface.
2. Locate the oil fill cap/dipstick.
3. Using the provided oil funnel, slowly add 0.45 liters (0.12 gallons) of recommended engine oil (e.g., 10W-30) into the oil fill opening. Do not overfill.
4. Replace the oil fill cap/dipstick securely.

Note: It is recommended to change the oil frequently during the first few hours of operation to ensure proper engine break-in.

4.2 Add Fuel

1. Ensure the generator is turned OFF and cool.
2. Unscrew the fuel cap.
3. Carefully pour fresh, unleaded gasoline (minimum 87 octane) into the fuel tank. The tank capacity is 4 liters (1.05 gallons). Do not overfill.
4. Securely replace the fuel cap.

5. OPERATING INSTRUCTIONS

5.1 Starting the Generator

1. Ensure the generator is on a level surface and in a well-ventilated outdoor area.
2. Turn the fuel valve to the "ON" position.
3. Move the choke lever to the "CHOKE" position (if the engine is cold).
4. Turn the engine switch to the "ON" position.
5. Pull the recoil starter handle firmly and smoothly until the engine starts.
6. Once the engine starts, gradually move the choke lever to the "RUN" position.

5.2 Connecting Appliances

The MXR3500 offers multiple output options:

- 1 x 240V 15Amp AC Outlet
- 1 x DC 12V/8.3A Outlet
- 2 x USB Outlets (1.0A and 2.1A)

Plug your appliances into the appropriate outlets. Ensure the total wattage of connected devices does not exceed the generator's running wattage (3000W).

Multiple-Output

support all types of standard electrical equipment



Figure 5.1: The control panel of the MXR3500, detailing the ECO switch, AC overload indicator, AC reset button, DC 12V/8.3A outlet, USB ports, engine switch, choke, parallel connectors, and AC 240V 15A outlet.

5.3 Eco-Mode Operation

The "Eco-Mode" switch, located on the control panel, allows the generator to automatically adjust engine speed to match the load. This feature improves fuel efficiency and reduces noise when less power is required. For maximum fuel efficiency and quieter operation, engage the Eco-Mode when powering lighter loads.

5.4 Parallel Operation

For increased power output, two MXR3500 generators can be connected in parallel using the provided parallel cables. This allows for combined wattage, enabling you to power more equipment. Refer to the parallel kit instructions for detailed connection procedures.

PARALLEL FOR MORE

Obtain up to 5400 watts to run more equipment



Mid-sized homes
Basic needs



Jobsite
All electrical tools



Warehouses
Backup generator

AFTER PARALLEL

Figure 5.2: Two MXR3500 generators operating in parallel to provide increased power for larger applications like mid-sized homes or job sites.

5.5 Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Turn the engine switch to the "OFF" position.
3. Turn the fuel valve to the "OFF" position.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your generator.

6.1 Engine Oil Change

Change the engine oil after the first 20 hours of operation, and then every 50-100 hours or annually, whichever comes first. Refer to Section 4.1 for oil specifications and capacity.

6.2 Spark Plug Inspection and Replacement

Inspect the spark plug every 100 hours or annually. Clean or replace if necessary. Use the provided spark plug socket wrench for removal and installation.

6.3 Air Filter Cleaning

Clean the air filter element every 50 hours or more frequently in dusty conditions. A dirty air filter can reduce engine performance and increase fuel consumption.

6.4 Storage

For long-term storage (over 30 days):

- Drain the fuel tank and carburetor.
- 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.
- Store the generator in a clean, dry place, covered with the provided generator cover.

7. TROUBLESHOOTING

This section provides solutions to common operational issues. For problems not listed here, contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel Low oil level Engine switch OFF Choke not set correctly Spark plug issue	Add fresh fuel Add oil to correct level Turn engine switch ON Adjust choke Inspect/clean/replace spark plug
No power output	Circuit breaker tripped Overload Eco-Mode engaged with high load	Reset circuit breaker Reduce load Disengage Eco-Mode for heavy loads
Engine runs rough	Stale fuel Dirty air filter Spark plug issue	Drain and add fresh fuel Clean air filter Inspect/clean/replace spark plug

8. SPECIFICATIONS

Detailed technical specifications for the maXpeedingrods MXR3500 Inverter Generator:

Specification	Value
Model	MXR3500 (LRT09)
Peak Watts	3500W
Running Watts	3000W
Engine Type	4-stroke 145cc OHV, air-cooled
Fuel Type	Gasoline

Specification	Value
Fuel Tank Capacity	4 Liters (1.05 Gallons)
Oil Capacity	0.45 Liters (0.12 Gallons)
AC Voltage	240V
AC Frequency	50Hz
Running Amps	12.5A
Peak Amps	14.6A
Volume Level (23 Feet)	58dB
Quarter-Load Runtime	8.3 hours
50% Load Runtime	4.5 hours
Starting System	Recoil Start
Special Feature	CO Sensor
Product Dimensions (LxWxH)	48 x 29 x 44 cm
Net Weight	21 kg (47 lbs)

DIMENSIONS



Figure 8.1: Dimensions of the MXR3500 generator: 48cm length, 29cm width, and 44cm height.

9. WARRANTY AND SUPPORT

Your maXpeedingrods MXR3500 Inverter Generator comes with a **3-year parts limited warranty**. This warranty covers defects in materials and workmanship under normal use.

Additionally, maXpeedingrods provides **free lifetime technical support and customer service**. If you encounter any issues or have questions regarding your generator, please contact our support team for assistance.

For warranty claims or technical support, please refer to the contact information provided in your owner manual or visit the official maXpeedingrods website.