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Pulsar NED95TiSRCO

Pulsar NED95TiSRCO 9500 Watt Tri Fuel Portable Inverter Generator User Manual

Model: NED95TiSRCO

1. Introduction

This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your Pulsar NED95TiSRCO 9500 Watt Tri Fuel Portable Inverter Generator. Please read this manual thoroughly before operating the generator to ensure proper use and to prevent injury or damage.
The Pulsar NED95TiSRCO is a versatile tri-fuel inverter generator designed to provide clean, stable power for various applications, including home backup, camping, RV use, and job sites. It operates on gasoline, propane, or natural gas, offering flexibility in fuel choice.

Key Features:

- **Tri-Fuel Capability:** Operates on gasoline, propane, or natural gas.
- **Inverter Technology:** Provides clean and stable power, safe for sensitive electronics.
- **Remote Electric Start:** Convenient starting options including remote control and push-button electric start.
- **CO Sentry:** Integrated carbon monoxide sensor for enhanced safety.
- **Parallel Capable:** Allows connection with another compatible unit to double power output.
- **Economy Mode:** Optimizes engine speed to save fuel and reduce noise.
- **Portability:** Equipped with durable wheels and sturdy carrying handles for easy transport.

2. Important Safety Information

WARNING: Operating this generator can produce carbon monoxide, an odorless, colorless, poisonous gas. Using a generator indoors CAN KILL YOU IN MINUTES. ALWAYS use outdoors and far from windows, doors, and vents.

Safety Features:

- **CO Sentry:** This generator is equipped with a CO Sentry system that automatically shuts off the engine if harmful levels of carbon monoxide are detected. Do not disable or bypass this safety feature.
- **Low Oil Shutdown:** The engine will automatically shut down if the oil level drops below a safe operating threshold, preventing potential engine damage.

Always ensure adequate ventilation when operating the generator. Keep children and pets away from the operating unit. Do not operate the generator in rain or wet conditions. Refer to the complete safety section in the full owner's manual for detailed precautions.

3. Generator Components Overview

Familiarize yourself with the key components of your Pulsar NED95TiSRCO generator.



Figure 3.1: Overall view of the Pulsar NED95TiSRCO generator, showcasing its compact design and control panel.

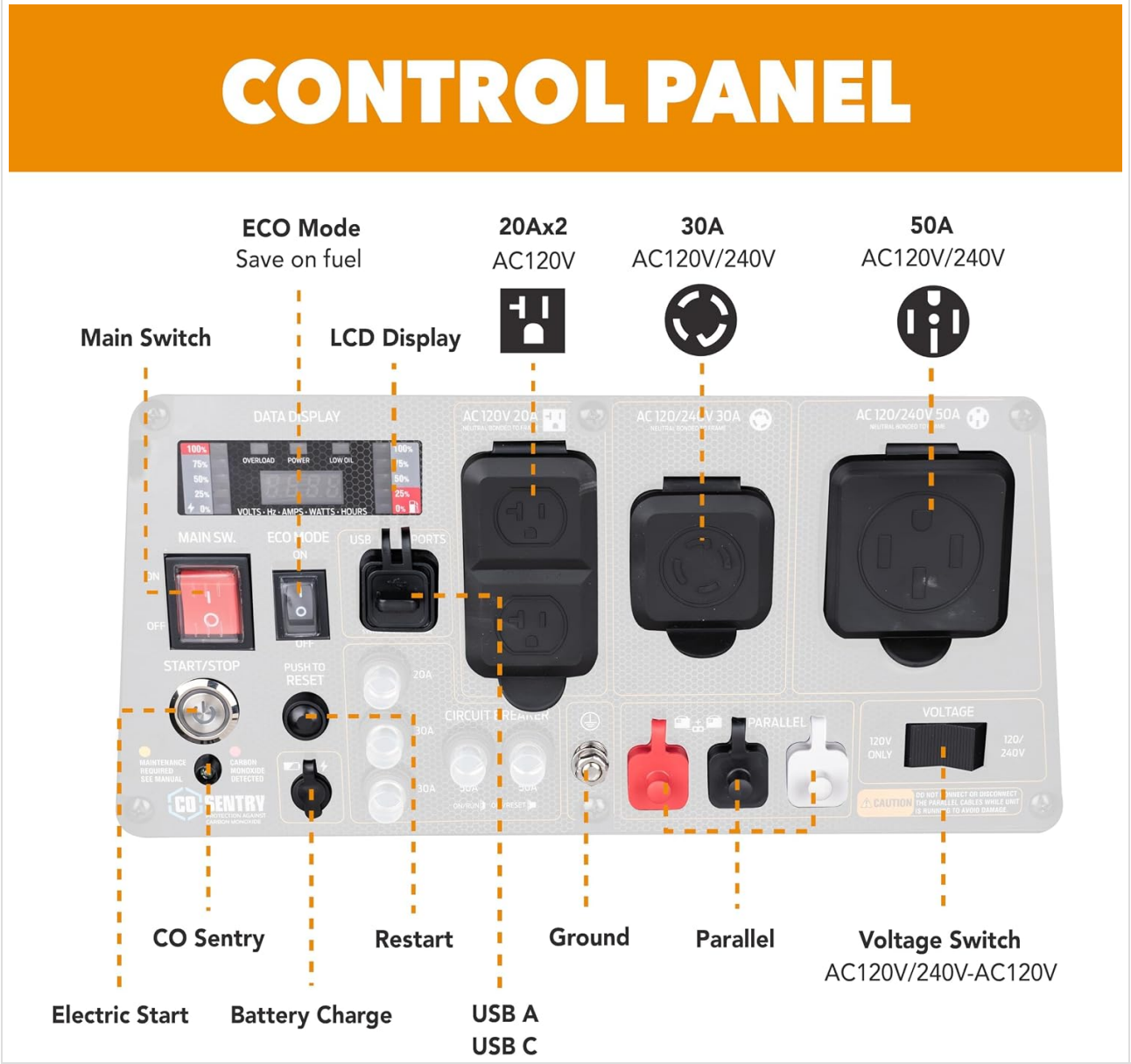


Figure 3.2: Close-up of the generator's control panel, indicating the Main Switch, ECO Mode, LCD Display, various AC outlets (20A, 30A, 50A), CO Sentry indicator, Electric Start button, Battery Charge port, USB A/C ports, Ground terminal, Parallel ports, and Voltage Switch.

Control Panel Features:

- **Main Switch:** Controls power to the generator.
- **ECO Mode Switch:** Engages fuel-saving mode.
- **LCD Display:** Shows operational data such as voltage, frequency, and hour meter.
- **AC Outlets:** Includes 2x 20A 120V, 1x 30A 120V/240V, and 1x 50A 120V/240V outlets.
- **USB A & C Ports:** For charging small electronic devices.
- **Electric Start Button:** For quick engine ignition.
- **CO Sentry Indicator:** Alerts to carbon monoxide presence.
- **Parallel Ports:** For connecting two compatible generators.
- **Voltage Switch:** Selects between 120V and 120V/240V output.

4. Initial Setup

Before first use, perform the following setup steps:

1. **Unpacking:** Carefully remove the generator from its packaging. Inspect for any shipping damage.
2. **Add Engine Oil:** The generator is shipped without engine oil. Fill the crankcase with the recommended type and amount of oil (refer to the oil capacity specifications in Section 7). Do not overfill.
3. **Connect Battery:** For electric and remote start functions, a 12V battery is required (not included). Connect the battery terminals according to the instructions in the full manual, ensuring correct polarity.
4. **Add Fuel:** Choose your desired fuel type (gasoline, propane, or natural gas).
    - **Gasoline:** Fill the fuel tank with fresh, unleaded gasoline (minimum 87 octane). The fuel capacity is 3.3 gallons (12.5 liters).
    - **Propane (LPG):** Connect a standard propane tank (not included) to the generator's propane inlet using the provided hose.
    - **Natural Gas:** Connect to a natural gas supply line using the appropriate connection kit (sold separately).
5. **Grounding:** Ensure the generator is properly grounded before operation.

5. Operating Instructions

Starting the Generator:

The Pulsar NED95TiSRCO offers multiple starting methods:



Figure 5.1: Illustration of the Electric Start button and Remote Start key fob.

1. **Preparation:** Ensure the generator is on a level surface, away from combustible materials, and in a well-ventilated outdoor area. Check oil and fuel levels.
2. **Fuel Selection:** Turn the fuel selector dial to the desired fuel type (Gasoline, Propane, or Natural Gas).
3. **Main Switch:** Turn the Main Switch to the 'ON' position.
4. **Choke (if applicable):** If starting a cold engine, apply choke as indicated in the full manual.
5. **Starting Method:**
    - **Electric Start:** Press and hold the 'START/STOP' button until the engine starts.
    - **Remote Start:** Use the remote key fob to press the 'ON' button.
    - **Recoil Start:** If electric start is unavailable, pull the recoil starter handle firmly and smoothly until the engine starts.
6. **After Start:** Once the engine is running, slowly return the choke to the 'RUN' position (if used). Allow the engine to warm up for a few minutes before connecting electrical loads.

Economy Mode:

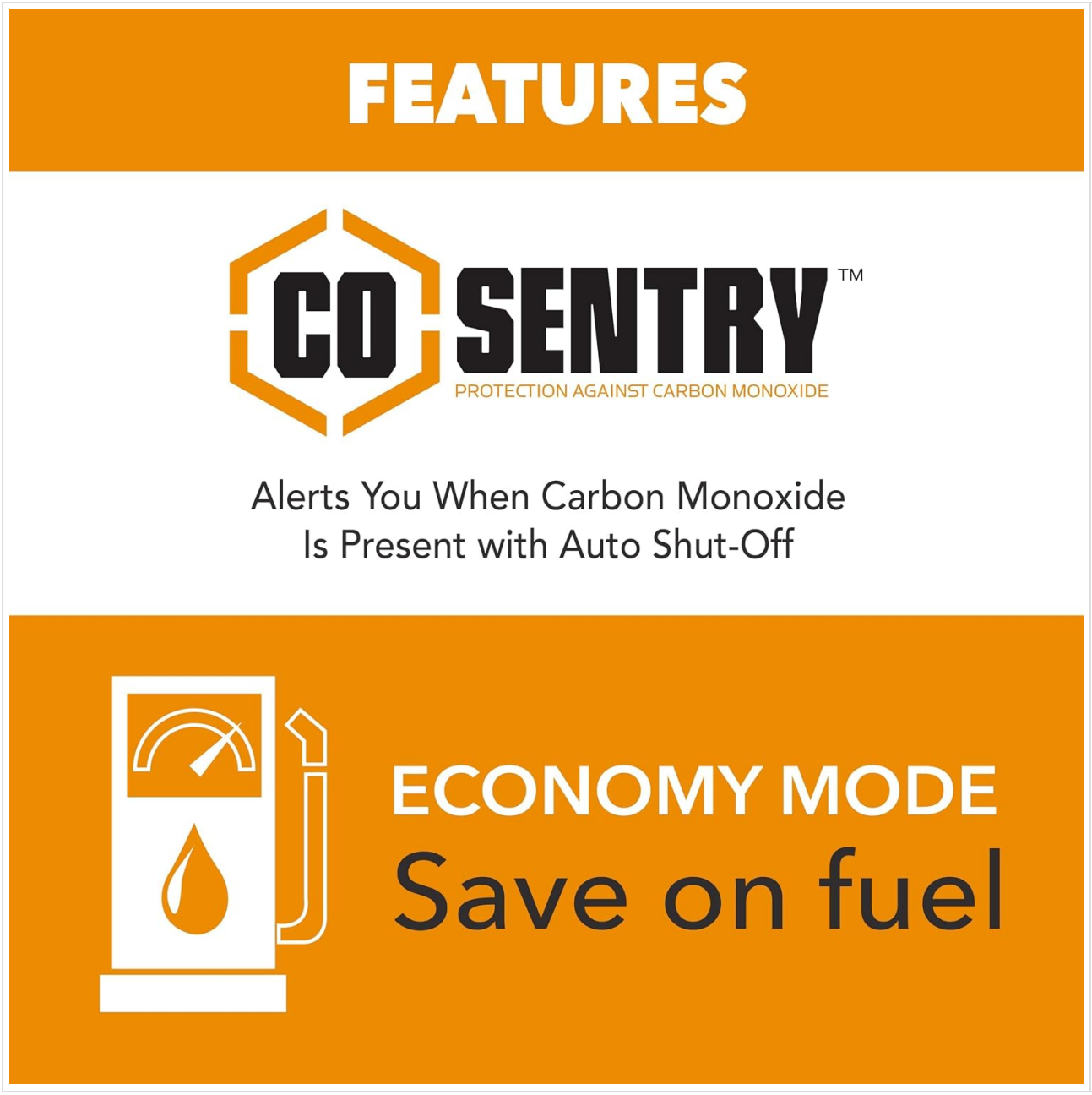


Figure 5.2: Features displayed include the CO Sentry system and Economy Mode for fuel efficiency.

Engage the ECO Mode switch to optimize fuel consumption and reduce noise when the power demand is low. The engine speed will automatically adjust to match the load. For high power demands, disengage ECO Mode.

Stopping the Generator:

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

6. Maintenance

Regular maintenance is crucial for the longevity and reliable performance of your generator. The digital hour meter helps track operating hours for scheduled maintenance.

Maintenance Schedule (General Guidelines):

- **Before Each Use:** Check engine oil level, fuel level, and inspect for any visible damage or leaks.
- **Every 25 Hours or Annually:** Clean/inspect air filter, check spark plug.
- **Every 50 Hours or Annually:** Change engine oil.
- **Every 100 Hours or Annually:** Inspect fuel filter, clean spark arrestor.

Refer to the detailed maintenance schedule in your full owner's manual for specific procedures and intervals.

Engine Oil:

Use high-quality 10W-30 engine oil. The oil capacity is approximately 0.6 liters (20.3 oz).

Fuel Storage:

When storing the generator for extended periods, drain the gasoline fuel tank or use a fuel stabilizer to prevent fuel degradation. Ensure propane tanks are disconnected and stored safely.

7. Troubleshooting

This section addresses common issues you might encounter with your generator. For more complex problems, consult the full owner's manual or contact customer support.

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, spark plug issue, battery low (for electric start)	Check fuel level and type, add oil, inspect/replace spark plug, charge/replace 12V battery.
No power output	Circuit breaker tripped, ECO mode engaged with high load, generator overloaded	Reset circuit breakers, disengage ECO mode for high loads, reduce connected appliances.
Engine stops unexpectedly	Low oil shutdown, CO Sentry activation, lack of fuel	Check oil and fuel levels, ensure proper ventilation to prevent CO Sentry activation.
Recoil starter does not retract	Internal mechanism issue	Do not force. Contact customer support for assistance.

8. Technical Specifications



Figure 8.1: Tri-fuel wattage outputs for the Pulsar NED95TiSRCO.

Specification	Value
Brand	Pulsar
Model	NED95TiSRCO
Engine Type	312cc OHV 4-Stroke Inverter
Fuel Type	Gasoline, Propane (LPG), Natural Gas
Gasoline Peak Watts	9500 W
Gasoline Running Watts	7600 W
Propane Peak Watts	8500 W
Propane Running Watts	7200 W
Natural Gas Peak Watts	7600 W
Natural Gas Running Watts	6000 W

Specification	Value
Fuel Capacity (Gasoline)	3.3 Gallons (12.5 Liters)
Oil Capacity	0.6 Liters (20.3 oz)
Voltage	120V / 240V (Switchable)
Decibel Rating	62 dB
Item Weight	124 Pounds
Product Dimensions (L x W x H)	25" x 19" x 22"
Starting System	Electric Start, Remote Start, Recoil Start
Battery Requirement	1x 12V battery (not included)



Figure 8.2: Physical dimensions of the Pulsar NED95TiSRCO generator.

9. Warranty Information

The Pulsar NED95TiSRCO generator comes with a**3-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For full details on warranty coverage, terms, and conditions, refer to the warranty section in your complete owner's manual or contact Pulsar customer support.

10. Customer Support

For technical assistance, parts, or service inquiries, please contact Pulsar customer support. You can also visit the official Pulsar store for additional resources and product information.

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