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Champion Power Equipment 201050

Champion Power Equipment 4000-Watt Dual Fuel RV Ready Portable Inverter Generator Instruction Manual

Model: 201050

1. Overview and Introduction

The Champion Power Equipment 201050 4000-Watt Portable Inverter Generator with CO Shield is designed for versatile power needs, suitable for camping, tailgating, RV use, or providing backup for essential items. Weighing less than 55 pounds, this model offers significant power output in a lightweight design. It features dual-fuel capability, allowing operation on either gasoline or propane, and incorporates CO Shield technology for enhanced safety.

This inverter generator provides clean power (<3% THD), making it safe for sensitive electronics. Its innovative design, including the EZ Start Dial and Cold Start Technology, simplifies operation. The unit operates at a quiet 64 dBA from 23 feet, minimizing noise disruption.

2. Key Features

- **Dual Fuel Capability:** Operates on either gasoline or propane, offering flexibility in fuel choice.
- **CO Shield Technology:** Automatically shuts off the engine if unsafe elevated levels of carbon monoxide (CO) gas are detected.
- **Quiet Operation:** Produces 64 dBA from 23 feet, suitable for environments requiring lower noise levels.
- **High Power Output:** Provides 4000 starting watts and 3000 running watts on gasoline, and 4000 starting watts and 2700 running watts on propane.
- **Clean Power:** Generates electricity with less than 3% Total Harmonic Distortion (THD), safe for sensitive electronics.
- **RV Ready:** Includes a 120V 25A TT-30R outlet for direct RV connection.
- **EZ Start Dial:** Simplifies the starting process.
- **Cold Start Technology:** Ensures quick starting in cold weather conditions.
- **Economy Mode:** Monitors electrical load to reduce engine speed, noise, and fuel consumption.
- **Lightweight and Portable:** Weighs less than 55 pounds with a built-in carrying handle for easy transport.
- **Parallel Capability:** Can connect with another Parallel Ready Champion Inverter or Power Station (optional kit sold separately) for increased power and runtime.

3. Setup

Before operating your generator, ensure it is placed outdoors in a well-ventilated area, far from occupied buildings, with engine exhaust pointed away from people and buildings. Never operate indoors or in enclosed spaces.

3.1 Unboxing and Initial Inspection

Carefully remove the generator from its packaging. Inspect for any shipping damage. Ensure all included components are present: Propane (LPG) Hose, Engine Oil (10W-30), and Oil Funnel.

3.2 Add Engine Oil

Locate the oil fill cap. Using the provided oil funnel, add the included 10W-30 engine oil to the crankcase. The oil capacity is 0.5 quarts. Do not overfill. Check the oil level using the dipstick.



Image: Included accessories for the generator, including engine oil and an LPG hose.

3.3 Connect Fuel Source

The generator can run on either gasoline or propane.

- **For Gasoline Operation:** Fill the 1.54-gallon fuel tank with unleaded gasoline.
- **For Propane Operation:** Connect the provided LPG hose to a 20-pound propane tank and then to the generator's propane inlet.



Image: The Champion 4000-Watt Dual Fuel Inverter Generator connected to a propane tank, ready for operation.

3.4 Familiarize with Control Panel

Review the control panel for all outlets, indicators, and the EZ Start Dial. This includes the 120V 25A TT-30R RV outlet, 120V 20A household duplex outlets (5-20R), 12V automotive-style outlet, parallel ports, circuit breakers, CO Shield indicator, low oil indicator, and overload indicator.



Image: The generator's control panel, highlighting the EZ Start Dial, various power outlets, and safety indicators.

3.5 Video Guide: Overview and Setup

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Video: An official overview of the Champion 4000-Watt Dual Fuel Inverter Generator, demonstrating its features and initial setup steps.

4. Operating Instructions

4.1 Starting the Generator

The EZ Start Dial simplifies the starting procedure:

1. Ensure the generator is on a level surface and the fuel source is connected and open.
2. Turn the EZ Start Dial to the appropriate fuel setting (gasoline or propane) and choke position if starting cold.
3. Pull the recoil start handle firmly until the engine starts.
4. Once started, gradually move the EZ Start Dial to the 'Run' position.



Image: The EZ Start Dial, illustrating the intuitive control for starting the generator.

4.2 Connecting Electrical Loads

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

- Plug in your RV to the 120V 25A TT-30R outlet.
- Use the 120V 20A household duplex outlets for standard appliances.
- The 12V automotive-style outlet can be used for charging 12V batteries or powering compatible devices.



Image: Illustration of the generator's capacity to power multiple appliances, such as a refrigerator, microwave, TV, and AC unit.

4.3 Using Economy Mode

Activate the Economy Mode button on the control panel to allow the generator to automatically adjust engine speed based on the electrical load. This feature reduces fuel consumption and noise during periods of low power demand.

5. Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always refer to the full operator's manual for detailed maintenance schedules and procedures.

5.1 Engine Oil Changes

Change the engine oil after the first 5-6 hours of operation (break-in period) and then according to the schedule in your manual. This typically involves draining the old oil and refilling with fresh 10W-30 oil.

5.2 Spark Plug Inspection and Replacement

Periodically inspect the spark plug for wear or fouling. Replace if necessary. Access to the spark plug is typically behind a removable panel.

5.3 Air Filter Cleaning

Clean the air filter regularly, especially when operating in dusty conditions. Remove the air filter cover, clean the foam element, and re-oil if specified in the manual.

5.4 Spark Arrester Service

The spark arrester, located at the exhaust, should be cleaned periodically to prevent carbon buildup. This usually requires removing a plate at the back of the generator.

6. Troubleshooting

If your generator encounters issues, consult this basic troubleshooting guide. For complex problems, contact Champion Support.

- **Engine Will Not Start:** Check fuel levels (gasoline or propane), ensure the EZ Start Dial is in the correct position, verify oil level (low oil sensor will prevent starting), and inspect the spark plug.
- **No Power Output:** Check circuit breakers on the control panel. If the overload indicator is lit, reduce the connected load and reset the breaker.
- **CO Shield Activation:** If the CO Shield indicator is lit and the engine shuts off, move the generator to an area with fresh air. Do not restart until the area is clear of CO.
- **Engine Runs Rough:** Ensure fresh fuel is used. Stale fuel can cause performance issues. Check air filter for blockage.



Image: CO Shield indicator lights, signaling automatic shutoff or service needs related to carbon monoxide detection.

7. Specifications

Detailed technical specifications for the Champion Power Equipment 4000-Watt Dual Fuel Inverter Generator (Model 201050).

Specification	Value
Brand	Champion Power Equipment
Model Name	4000-Watt Dual Fuel RV Ready Portable Inverter Generator with Quiet Technology and CO Shield
Item Model Number	201050
Starting Wattage	4000 Watts
Running Wattage (Gasoline)	3000 Watts
Running Wattage (Propane)	2700 Watts
Fuel Type	Gasoline, Propane
Engine Displacement	149 Cubic Centimeters
Tank Volume	1.54 Gallons
Run Time (Gasoline, 25% load)	Up to 10 hours
Run Time (Propane, 25% load)	Up to 25 hours
Noise Level	64 dBA (from 23 feet)
Item Weight	51.8 Pounds
Product Dimensions	17.9"L x 11.7"W x 19.7"H
Total Power Outlets	2 (plus 12V and Parallel outlets)
Current Rating	25 Amps (TT-30R)
Special Features	CO Sensor, Cold Start Technology, Dual Fuel, Lightweight, Economy Mode



Image: Generator dimensions and weight for easy reference.

8. Safety Information

Operating a generator safely is paramount. Adhere to all safety warnings and guidelines provided in the full operator's manual.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide (CO), a colorless, odorless, poisonous gas. Always operate the generator outdoors, far away from occupied buildings, with engine exhaust pointed away from people and buildings. CO Shield technology is not a substitute for an indoor carbon monoxide alarm or for safe operation.
- **Fire Hazard:** Fuel is highly flammable. Refuel in a well-ventilated area with the engine off and cooled. Do not smoke while refueling.
- **Electrical Shock Hazard:** Do not operate the generator in wet conditions. Ensure all electrical connections are secure and properly grounded.
- **Hot Surfaces:** The generator's engine and muffler become very hot during operation and remain hot for some time after shutdown. Avoid contact to prevent burns.
- **Proposition 65 Warning:** This product can expose you to chemicals including carbon monoxide, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Image: Champion Power Equipment brand logo.

9. Warranty and Support

Your Champion Power Equipment generator is backed by a 3-year limited warranty. This warranty covers defects in material and workmanship under normal use and maintenance.

For technical assistance, troubleshooting, or warranty claims, please contact Champion Support. Free lifetime technical support is available from dedicated experts. Refer to your operator's manual for contact information and full warranty details.



Image: Badge indicating a 3-Year Limited Warranty.

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