

Champion Power Equipment 200988

Champion Power Equipment 4500-Watt Dual Fuel Inverter Generator (Model 200988) Instruction Manual

Model: 200988

1. INTRODUCTION

The Champion Power Equipment 200988 4500-Watt Portable Inverter Generator offers a versatile and convenient power solution for home, RV, or project use. This dual-fuel unit operates on either gasoline or propane, featuring an electric start with Cold Start Technology for reliable ignition in cold weather. It produces clean power (less than 3% THD), making it safe for sensitive electronics. Designed with safety in mind, it includes a low oil shut-off sensor. The generator also incorporates Champion's Inverter Technology with Economy Mode for quieter operation, extended engine life, and improved fuel economy. It is RV-ready with multiple outlets and includes a propane hose with a built-in regulator for immediate use.

2. KEY FEATURES

- **Dual Fuel Capability:** Operates on either gasoline or propane.
- **Electric Start:** Includes battery and Quick Touch Panel for easy starting.
- **Quiet Operation:** Operates at 61 dBA from 23 feet, comparable to normal conversation.
- **Clean Power:** Produces electricity with less than 3% Total Harmonic Distortion (THD), safe for sensitive electronics.
- **RV Ready:** Features a 120V 30A RV (TT-30R) outlet, two 120V 20A household outlets (5-20R), and a 12V DC automotive-style outlet with dual USB adapter.
- **Economy Mode:** Reduces electrical load for quieter operation, extended engine life, and better fuel economy.
- **Portability:** Fully assembled with a foldaway handle, built-in handles, and never-flat tires for easy transport.
- **Safety:** Equipped with a low oil shut-off sensor.

3. SETUP

Before operating your Champion 4500-Watt Inverter Generator, follow these essential setup steps:

1. **Unboxing and Placement:** Carefully remove the generator from its packaging. Place the generator on a firm, level surface outdoors, away from windows, doors, and vents to ensure proper ventilation and prevent carbon monoxide buildup.
2. **Add Engine Oil:** The generator requires 0.6 quarts of 10W-30 engine oil. Locate the oil fill cap/dipstick and use the included funnel to add the oil. Do not overfill. The low oil shut-off sensor will prevent the engine from starting if the oil level is too low.
3. **Connect Battery:** The electric start feature requires the battery to be connected. Locate the battery compartment,

typically behind a side panel, and connect the battery terminals as instructed in the manual.

4. **Fuel Selection:** Decide whether to operate on gasoline or propane.

- **For Gasoline:** Fill the fuel tank with unleaded gasoline (minimum 87 octane). Do not overfill.
- **For Propane:** Connect the included propane hose with regulator to a 20-pound propane tank and to the generator's propane inlet. Ensure all connections are secure.

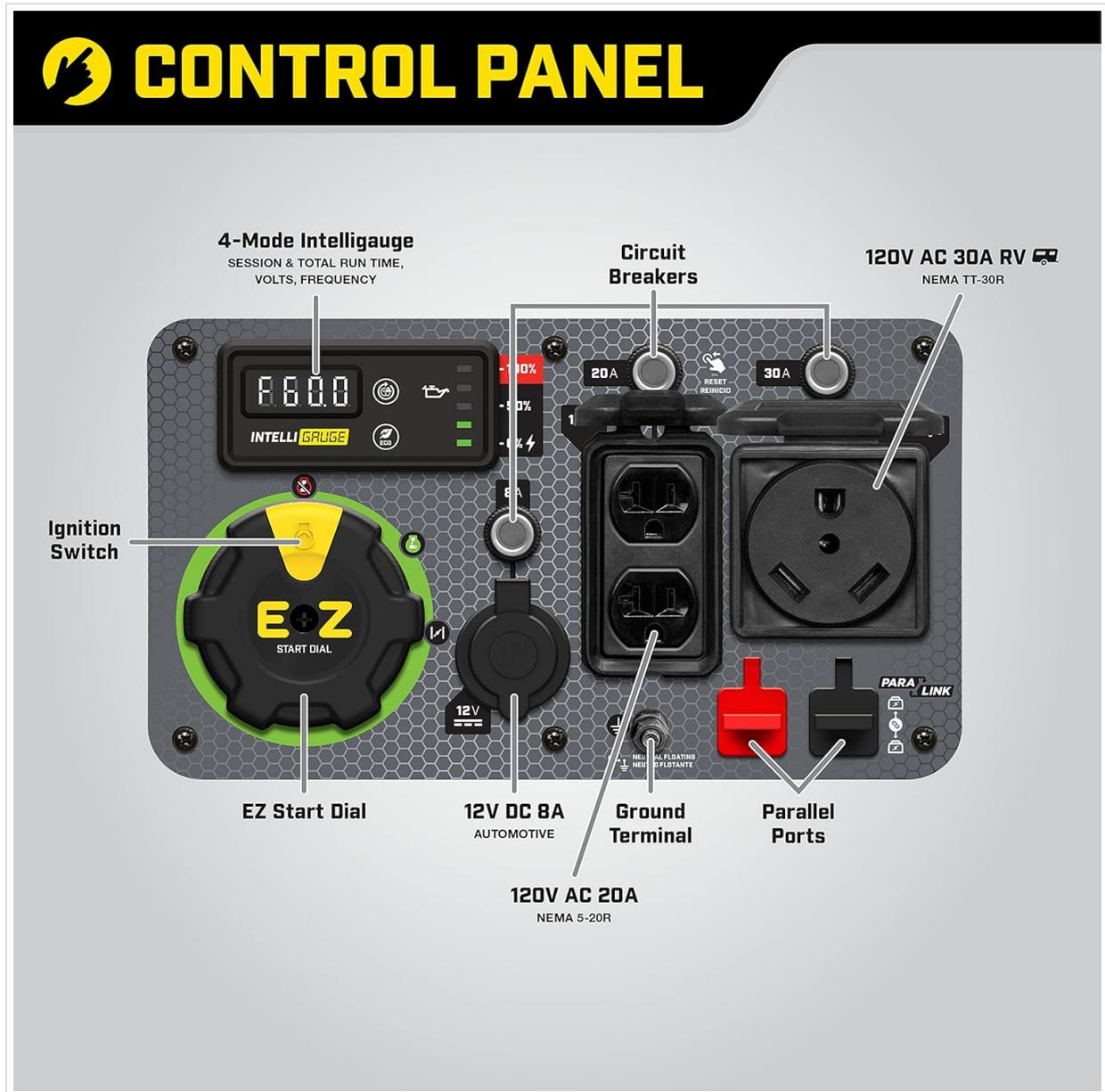


Figure 3.1: Champion 4500-Watt Inverter Generator, showing the main unit and control panel.



Figure 3.2: Adding engine oil to the generator using the provided funnel.

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Video 3.1: Official product video demonstrating the setup and features of the 4500-Watt Portable Dual Fuel Inverter Generator.

4. OPERATING INSTRUCTIONS

Follow these steps to safely operate your generator:

1. Starting the Generator:

- Ensure the generator is on a level surface and all connections (fuel, battery) are secure.
- Turn the EZ Start Dial to the appropriate fuel position (Gasoline or Propane).
- Press the electric start button. If using the pull start, pull the recoil handle firmly.
- Once the engine starts, allow it to run for a few moments before connecting any loads.

2. Connecting Electrical Loads:

- Plug in your appliances or RV power cord into the appropriate outlets (120V 30A RV, 120V 20A household, or 12V DC/USB).
- Avoid overloading the generator. Monitor the IntelliGauge display for wattage output.

3. Economy Mode:

- Activate Economy Mode for quieter operation and improved fuel efficiency when running light loads.
- The generator will automatically adjust engine speed to match the load.

4. Shutting Down:

- Disconnect all electrical loads from the generator.
- Allow the generator to run for a few minutes without load to cool down.
- Turn the EZ Start Dial to the "OFF" position. If running on propane, close the valve on the propane tank first and let the engine run until it stalls to clear the fuel line.



Figure 4.1: Detailed view of the generator's control panel, highlighting the EZ Start Dial, outlets, and IntelliGauge.

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Video 4.1: A detailed review of the Champion Inverter Generator, including setup and operational aspects.

5. MAINTENANCE

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

- **Break-in Procedure:** For new generators, it is recommended to run the unit for a break-in period (typically 5 hours) at varying loads, staying below 50% of the rated wattage. This helps seat the piston rings and allows the stator windings to heat and cool properly.
- **Oil Changes:** The generator has a 0.6-quart oil capacity. The first oil change should be performed after the break-in period. Subsequent oil changes are recommended every 50-100 hours of operation, depending on usage. Always use 10W-30 engine oil.
- **Fuel Management:**
 - If using gasoline, consider using a fuel stabilizer if storing the generator for extended periods to prevent fuel degradation and gumming issues.
 - Propane has a longer shelf life and is a cleaner-burning fuel, reducing carburetor maintenance.
- **Air Filter:** Regularly inspect and clean the air filter to ensure proper engine performance.

- **Spark Plug:** Check and clean or replace the spark plug as needed for reliable starting.



Figure 5.1: Location of the oil fill cap and dipstick for routine oil level checks.

6. TROUBLESHOOTING

If your generator encounters issues, consider these common troubleshooting steps:

- **Engine Not Starting:**
 - Check fuel level (gasoline or propane).
 - Ensure the oil level is correct; the low oil shut-off sensor will prevent starting if too low.
 - Verify battery connections for electric start.
 - Check the spark plug for fouling or damage.
- **No Power Output:**
 - Check circuit breakers on the control panel; reset if tripped.
 - Ensure all electrical connections are secure.
 - Verify the generator is running at the correct RPM (Economy Mode might reduce RPM for light loads).
- **Engine Running Rough:**
 - Check fuel quality; stale gasoline can cause issues.
 - Inspect the air filter for clogs.
 - Ensure proper ventilation around the generator.
- **Carbon Monoxide Warning:** This generator is equipped with a CO Shield system. If the CO sensor detects high levels of carbon monoxide, the generator will automatically shut off. Move the generator to an open, well-ventilated area immediately.



Figure 6.1: Illustration of the Carbon Monoxide (CO) shutoff system for enhanced safety.

7. SPECIFICATIONS

Brand	Champion Power Equipment
Model Number	200988
Starting Wattage	4500 Watts
Running Wattage	3500 Watts
Fuel Type	Gasoline, Propane (LPG)
Engine Displacement	212 Cubic Centimeters
Oil Capacity	0.6 Quarts (10W-30)
Noise Level	61 dBA (from 23 feet)
Outlets	120V 30A RV (TT-30R), 2x 120V 20A Household (5-20R), 12V DC Automotive-style with Dual USB Adapter
Item Weight	97 Pounds
Product Dimensions	23.2"L x 17.7"W x 20.1"H
Special Features	Electric Start, Portable, Super Quiet, Dual Fuel, RV Ready, Economy Mode, Cold Start Technology, Low Oil Shut-off Sensor, IntelliGauge



DIMENSIONS



103 LBS.



Figure 7.1: Dimensions and weight of the generator for planning storage and transport.

8. WARRANTY AND SUPPORT

Your Champion Power Equipment 4500-Watt Dual Fuel Inverter Generator is backed by a **3-year limited warranty**. Additionally, Champion provides **FREE lifetime technical support** from dedicated experts. For assistance, please refer to the contact information in your product manual or visit the official Champion Power Equipment website.