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› Champion 3650-Watt RV-Ready Portable Generator with CO Shield - Instruction Manual

Champion 201501

Champion 3650-Watt RV-Ready Portable Generator with CO Shield

Model: 201501

1. INTRODUCTION

The Champion Power Equipment 201501 3650-Watt RV-Ready Portable Generator with CO Shield offers a versatile and convenient power solution. This generator is suitable for camping trips, weekend projects, and providing essential backup power during outages. It is designed to power a 15,000 BTU RV air conditioner.

Key features include a reliable recoil start, Cold Start Technology for quick starts in cold weather, and Intelligauge for monitoring voltage, frequency, and operating hours. Safety is enhanced with convenient push-to-reset circuit breakers, a low oil shut-off sensor, and the innovative CO Shield technology.

2. SAFETY INFORMATION

WARNING: Carbon Monoxide Hazard. Generators produce carbon monoxide (CO), an odorless, colorless, and poisonous gas. Using a generator indoors can kill you in minutes. Always use the generator outdoors, far away from occupied buildings, and with the exhaust pointed away from personnel and buildings.

This generator is equipped with **CO Shield technology**, an automatic shut-off system that monitors the accumulation of carbon monoxide. If CO Shield detects unsafe elevated levels of CO gas, it automatically shuts off the engine. CO Shield is not a substitute for an indoor carbon monoxide alarm or for safe operation.



CARBON MONOXIDE AUTO-SHUTOFF



CO Shield® technology will shut off the generator before harmful levels of carbon monoxide accumulate in the generator's operating area.

Image: The CO Shield system on the generator, indicating automatic shut-off and service alerts based on CO levels. This technology is designed to shut off the generator before harmful levels of carbon monoxide accumulate in the operating area.

Ensure proper ventilation and never operate the generator in an enclosed or partially enclosed space.

3. PRODUCT FEATURES

- **Power Output:** 4550 starting watts, 3650 running watts.
- **Engine:** Reliable 224cc single-cylinder OHV Champion engine.
- **Fuel Tank:** 4.7-gallon gasoline tank, providing up to 14 hours of run time at 50% load.
- **Starting System:** Recoil start with Cold Start Technology for easy ignition in cold weather.
- **Intelligauge:** Monitors voltage, frequency, and operating hours.
- **Outlets:** Includes a 120V 30A (TT-30R) RV outlet, a 120V 30A locking outlet (L5-30R), and a 120V 20A household duplex outlet (5-20R). All outlets have covers for protection.
- **Safety:** CO Shield technology, push-to-reset circuit breakers, low oil shut-off sensor, Volt Guard built-in surge protector.
- **Noise Level:** 68 dBA from 23 feet.

★ FEATURES



Image: Visual representation of key features including 4550 starting watts, 3650 running watts, RV readiness, covered outlets, Volt Guard surge protector, and IntelliGauge 4-mode display.

4. SETUP

4.1 Add Engine Oil

The generator is shipped with the required oil, but it is not pre-filled in the engine. Before starting, you must add the provided 10W-30 oil. The oil capacity is 0.5 quarts. An oil funnel is included for easy filling. Access the oil fill cap by removing the cover on the side of the engine.

4.2 Add Fuel

Fill the 4.7-gallon fuel tank with fresh, unleaded gasoline. Ensure the fuel cap is securely fastened but vented for operation.

4.3 Initial Checks

- Verify oil level is correct.
- Ensure fuel tank is adequately filled.

- Check that all connections are secure.

5. OPERATING INSTRUCTIONS

5.1 Control Panel Overview



Image: The control panel features an engine switch, Intelligauge display (voltage, frequency, run time, CO Shield status), circuit breakers, 120V AC 30A locking outlet (L5-30R), 120V AC 30A RV outlet (TT-30R), and 120V AC 20A household duplex outlet (5-20R).

5.2 Starting the Generator

1. Ensure the generator is placed on a level, outdoor surface, away from any structures.
2. Turn the engine switch to the 'ON' position.
3. Pull the choke lever to the 'CHOKE' position (if starting cold).
4. Firmly pull the recoil start cord until the engine starts.
5. Once the engine starts, slowly push the choke lever to the 'RUN' position.

5.3 Economy Mode

The generator features an economy mode. When activated, the engine speed adjusts automatically based on the electrical load, leading to quieter operation, extended engine life, and improved fuel economy. If the engine senses a need for more power, it will automatically increase its speed.

5.4 Connecting Devices

Plug your devices into the appropriate outlets on the control panel. Ensure the total wattage of connected devices does not exceed the generator's running wattage (3650 watts).

⚡ 4550W / 3650W
STARTING RUNNING

Power at the **SAME TIME**


BLENDER


COFFEE MAKER


MICROWAVE


WELL PUMP

or **INDIVIDUALLY**


REFRIGERATOR


WASHING MACHINE


LAWN MOWER


PRESSURE WASHER

*REFERENCE ONLY. REFER TO ELECTRIC OR HOUSEHOLD APPLIANCES FOR WATTAGE INFORMATION.



Image: Illustrations showing various appliances that can be powered simultaneously or individually by the generator, such as blenders, coffee makers, microwaves, well pumps, refrigerators, washing machines, lawnmowers, and pressure washers.

5.5 Stopping the Generator

1. Disconnect all electrical loads from the generator.
2. Turn the engine switch to the 'OFF' position.

6. MAINTENANCE

6.1 Oil Changes

Regular oil changes are crucial for engine longevity. Refer to the maintenance schedule in your full user manual for recommended intervals. The generator has a 0.5-quart oil capacity.

6.2 Air Filter

Inspect and clean the air filter regularly, especially if operating in dusty conditions. A clogged air filter can reduce engine performance and efficiency.

6.3 Fuel Stabilizer

If storing the generator for an extended period, add a fuel stabilizer to the gasoline to prevent fuel degradation and carburetor issues.

7. TROUBLESHOOTING

7.1 Engine Not Starting

- Check oil level.
- Verify fuel level.
- Ensure choke is in the correct position for starting.
- Check spark plug for fouling.

7.2 Power Output Issues

- Check circuit breakers on the control panel and reset if tripped.
- Ensure total load does not exceed running wattage.
- Verify all connections are secure.

8. SPECIFICATIONS

Specification	Value
Brand	Champion
Model Number	201501
Starting Wattage	4550 Watts
Running Wattage	3650 Watts
Engine Displacement	224 Cubic Centimeters
Fuel Type	Gasoline
Tank Volume	4.7 Gallons
Item Weight	109 Pounds
Product Dimensions	23.87 x 19 x 20.87 inches

9. WARRANTY AND SUPPORT

This EPA-certified generator comes with a 3-year limited warranty. Champion Support and their nationwide network of service centers provide FREE lifetime technical support. For assistance, please refer to your user manual or contact Champion Support directly.
