Champion Power Equipment 201318

Champion Power Equipment 4500-Watt RV Ready Portable Inverter Generator Instruction Manual

Model: 201318

Product Overview

The Champion Power Equipment 4500-Watt RV Ready Portable Inverter Generator with CO Shield® is designed for quiet operation and extended run times, making it suitable for RVs, camping, tailgating, or as a backup power source for essential items. This inverter generator features a reliable 212cc Champion engine, producing 4500 starting watts and 3500 running watts. Key features include:

- **Quiet Technology and Extended Run Time:** Operates at 61 dBA, ideal for noise-sensitive environments, with up to 14 hours run time on 2.3 gallons of gasoline.
- **Parallel Ready:** Allows connection with another 2800-watt or higher Champion inverter (optional kit sold separately) to double output power.
- **Intelligauge with Power Meter:** Monitors voltage, frequency, and operating hours.
- **CO Shield Carbon Monoxide Auto Shutoff System:** Enhances safety by automatically shutting off the engine if unsafe CO levels are detected.
- **EZ Start Dial:** Simplifies the startup process.
- **Economy Mode:** Monitors power consumption in real time to reduce engine wear and improve fuel efficiency.
- **Clean Power for Sensitive Electronics:** Produces less than 3% THD, safe for sensitive devices.
- **RV Ready:** Includes a 120V 29.2A RV outlet (TT-30R) and a 120V 20A household duplex outlet (5-20R).



Image: The Champion 4500-Watt RV Ready Portable Inverter Generator, showcasing its compact design and control panel.



Image: An illustration highlighting the generator's 4500 starting watts and 3500 running watts capabilities.

Safety Information

Always operate the generator outdoors in a well-ventilated area, far away from occupied buildings, and with the engine exhaust pointed away from people and buildings. Carbon monoxide (CO) is a colorless, odorless, poisonous gas that can be fatal.

CO Shield® Technology

Your Champion generator is equipped with CO Shield® technology, which monitors the accumulation of carbon monoxide (CO) gas produced by engine exhaust. If CO Shield® detects unsafe elevated levels of CO gas in the generator's operating area, it will automatically shut off the engine. This feature is designed to enhance safety but is not a substitute for an indoor carbon monoxide alarm or for safe operation practices.



Image: Diagram illustrating the CO Shield® carbon monoxide auto-shutoff system, showing how it detects and responds to elevated CO levels.



Image: A graphic emphasizing the CO Shield feature for carbon monoxide auto-shutoff.

Components and Controls

Familiarize yourself with the generator's control panel and key components before operation.

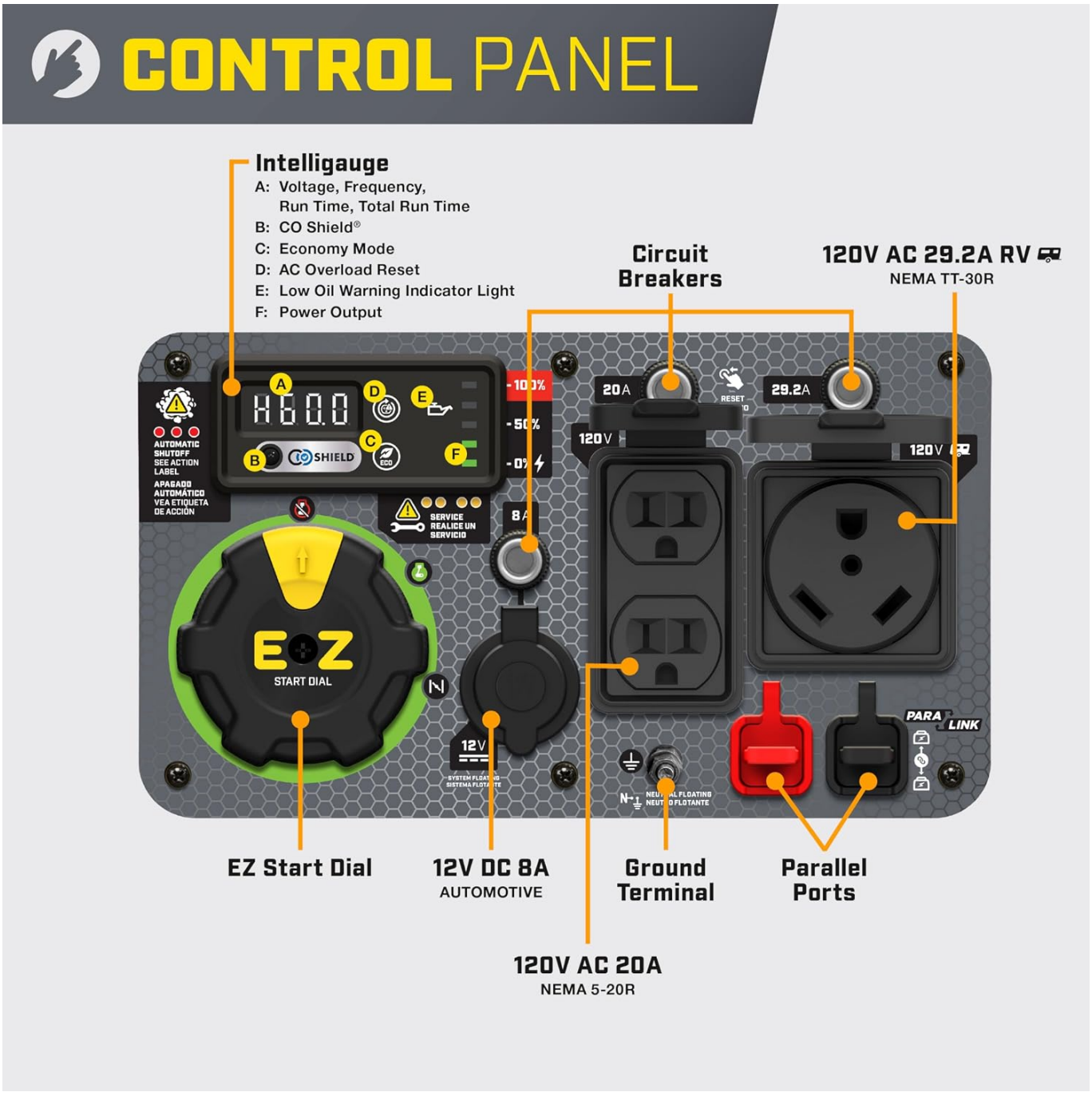


Image: Detailed view of the generator's control panel, labeling the Intelligauge display, EZ Start Dial, 12V DC outlet, Ground Terminal, Parallel Ports, Circuit Breakers, 120V AC 20A household duplex outlet (5-20R), and 120V AC 29.2A RV outlet (TT-30R).

- **Intelligauge:** A digital display that monitors voltage, frequency, and operating hours. It also indicates CO Shield status, Economy Mode, Low Oil Warning, and Power Output.
- **EZ Start Dial:** A multi-function dial for choke, run, and stop positions, simplifying the starting procedure.
- **12V DC 8A Automotive Outlet:** For charging 12V batteries.
- **Ground Terminal:** For connecting a ground wire to prevent electrical shock.
- **Parallel Ports:** Used to connect two Champion inverters for increased power output (requires optional parallel kit).
- **Circuit Breakers:** Protect the generator from overload.
- **120V AC 20A Household Duplex Outlet (5-20R):** Standard household outlets.
- **120V AC 29.2A RV Outlet (TT-30R):** Specifically designed for RV connections.



Image: Close-up of the EZ Start Dial, highlighting its intuitive design for confusion-free engine startup.

Setup

Unpacking and Assembly

Carefully remove the generator from its packaging. Ensure all components are present. The generator comes with never-flat tires and a fold-down handle for easy transport, which may require minor assembly.

Adding Engine Oil

Before first use, you must add the included 10W-30 engine oil. The generator has a 0.5-quart oil capacity and features a low oil shut-off sensor to protect the engine. Use the provided oil funnel for easy filling.



Image: A bottle of 10W-30 engine oil, indicating it is included in the box with the generator.

Adding Fuel

Fill the 2.3-gallon fuel tank with unleaded gasoline. Always use fresh, clean, and stable gasoline. Do not overfill. Ensure the fuel cap is securely tightened after filling.

Operating Instructions

Starting the Generator

1. Ensure the generator is on a level surface and outdoors in a well-ventilated area.
2. Turn the EZ Start Dial to the "Choke" position (if cold starting).
3. Pull the recoil start handle firmly and steadily until the engine starts.

4. Once the engine starts, slowly turn the EZ Start Dial to the "Run" position.

Connecting Appliances

The generator provides clean power (less than 3% THD), making it safe for sensitive electronics. You can power various appliances simultaneously or individually, up to 3500 running watts.



Image: Visual representation of the generator's capacity to power common household and RV appliances such as refrigerators, microwaves, TVs, window AC units, washing machines, furnaces, electric grills, and well pumps.

RV Ready Operation

The dedicated 120V 29.2A RV outlet (TT-30R) allows for direct connection to your RV, providing ample power for your recreational vehicle's needs, including air conditioning.



Image: The Champion generator positioned next to an RV, demonstrating its RV-ready capability.

Economy Mode

Engage Economy Mode to automatically adjust engine speed to the load, reducing noise, extending engine life, and improving fuel economy. This is ideal for lighter loads.

Parallel Operation

For increased power output, you can connect two Champion 2800-watt or higher inverters using an optional parallel kit (sold separately). Refer to the parallel kit's instructions for proper setup.



Image: Two Champion inverter generators connected in parallel, providing increased power for larger applications like an RV.

Maintenance

Regular maintenance is crucial for the longevity and optimal performance of your generator. Always ensure the generator is turned off and cooled down before performing any maintenance.

Engine Oil Changes

Change the engine oil after the first 5 hours of operation, and then every 50 hours or annually thereafter. The no-tool access panel and oil drain tube simplify this process.

Spark Plug Inspection

Inspect the spark plug annually or every 100 hours. Clean or replace as necessary. A spark plug wrench is included with your

generator.

Air Filter Cleaning

Check and clean the air filter regularly, especially in dusty conditions. A dirty air filter can reduce engine performance.

Storage

For extended storage, drain the fuel tank and carburetor, or add a fuel stabilizer. Store the generator in a clean, dry place.

Troubleshooting

This section provides solutions to common operational issues. For more complex problems, contact Champion Support.

Problem	Possible Cause	Solution
Engine will not start	No fuel; Low oil level; Choke not set correctly; Spark plug issue	Add fuel; Add oil; Adjust EZ Start Dial; Inspect/clean spark plug
Generator shuts off during operation	Low oil level; Overload; CO Shield activation	Add oil; Reduce load/reset circuit breaker; Move generator to well-ventilated area
No power output	Circuit breaker tripped; Overload; Loose connections	Reset circuit breaker; Reduce load; Check all connections
Engine runs rough	Stale fuel; Dirty air filter; Clogged fuel filter	Drain and replace fuel; Clean air filter; Consult service center

Specifications

Detailed technical specifications for the Champion 4500-Watt Inverter Generator.

Specification	Value
Brand	Champion Power Equipment
Model Name	4500-Watt RV Ready Portable Inverter Generator
Model Number	201318
Starting Wattage	4500 Watts
Running Wattage	3500 Watts
Fuel Type	Gasoline

Specification	Value
Engine Displacement	212 Cubic Centimeters
Run Time (at 25% load)	Up to 14 hours
Fuel Tank Capacity	2.3 Gallons
Oil Capacity	0.5 Quart
Noise Level (from 23 ft)	61 dBA
Voltage	120 Volts
Current Rating	14.2 Amps
Total Power Outlets	2 (120V 29.2A RV, 120V 20A Household)
Product Dimensions (L x W x H)	23.2"L x 17.7"W x 20.1"H
Item Weight	92.2 Pounds
Special Features	CO Sensor, Cold Start Technology, Extended Run Time, Portable



Image: Diagram showing the dimensions (23.2 inches L, 17.7 inches W, 20.1 inches H) and weight (92.2 lbs) of the Champion 4500-Watt Inverter Generator.

Warranty and Support

Warranty Information

Your Champion Power Equipment 4500-Watt RV Ready Portable Inverter Generator is backed by a **3-year limited warranty**. This warranty covers defects in material and workmanship under normal use and service.



Image: A badge indicating a 3-year limited warranty.

Technical Support

Champion Power Equipment offers **FREE lifetime technical support** from dedicated experts. For assistance with setup, operation, maintenance, or troubleshooting, please contact Champion Support. Refer to the official Champion Power Equipment website for contact details and further support resources.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

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After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Answered questions about this manual

Why is my Champion 4500-Watt RV Ready Portable Inverter Generator running rough with a black screen and no power output?

Based on the manual for the Champion 4500-Watt RV Ready Portable Inverter Generator (Model 201318), here are the steps to troubleshoot a rough-running engine and a lack of power output:1. Address the Rough Running...

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