## Champion Power Equipment 100571

# Champion Power Equipment 3500-Watt Portable Inverter Generator

USER MANUAL

## Introduction

The Champion Power Equipment 3500-Watt Inverter Generator with CO Shield® is designed for quiet and efficient power generation, ideal for various applications such as camping, tailgating, powering RV essentials, or providing backup power for household items. This unit combines portability with advanced safety features and user-friendly operation.

### Key Features:

- **Quiet Operation:** Operates at an ultra-quiet 58 dBA from 23 feet, comparable to normal speech, making it suitable for noise-sensitive environments.
- **Powerful Output:** Provides 3500 starting watts and 2300 running watts, capable of running for up to 10 hours at 25% load on a 1.2-gallon fuel tank.
- **Clean Power:** Produces Clean Power (less than 3% THD), ensuring safe operation for sensitive electronics.
- **CO Shield® Technology:** Features an automatic shut-off system that detects and shuts down the engine if dangerous levels of carbon monoxide accumulate in the operating area.
- **EZ Start Dial:** Simplifies the starting process for quick and easy operation.
- **Intelligauge with Power Meter:** Monitors voltage, frequency, and operating hours for convenient tracking.
- **Economy Mode:** Reduces engine speed based on electrical load, providing quieter operation, extended engine life, and improved fuel economy.
- **Portability:** Equipped with never-flat tires and a telescoping handle for easy transport.
- **Versatile Outlets:** Includes a 120V 20A household duplex outlet (5-20R), a 12V automotive-style outlet, and a dual-port USB adapter.
- **Parallel Capability:** Can be connected with another 2800-watt or higher Champion inverter (with optional parallel kit, sold separately) to double the output power.

## Setup

Follow these steps to prepare your Champion 3500-Watt Portable Inverter Generator for first use:

1. **Unpack the Generator:** Carefully open the box and remove the generator and all included accessories. Ensure all components listed in the packing list are present.
2. **Attach the Wheel Kit:** Install the never-flat wheels and support feet as per the instructions in the manual. This enhances portability.




Image: Included accessories such as the dual USB adapter, engine oil, and wheel kit.

3. **Add Engine Oil:** Locate the oil fill cap and add the included 10W-30 engine oil. The generator has a 0.4-quart oil capacity. Use the provided oil funnel for easy pouring. Ensure the oil level is correct before starting.




Image: Adding engine oil to the generator using the provided funnel.

4. **Position the Generator Outdoors:** 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. CO Shield® is not a substitute for an indoor carbon monoxide alarm.




Image: Champion generator providing power outdoors at a gathering.

5. **Add Gasoline:** Fill the 1.2-gallon fuel tank with fresh, unleaded gasoline. Do not overfill.




Image: A person adding gasoline to the generator's fuel tank.

### Setup Overview Video:

Video: An overview of the Champion 3500-Watt Portable Inverter Generator, demonstrating key features and setup steps. This video is provided by Champion Power Equipment.

## Operation

Operating your Champion inverter generator is straightforward with its intuitive controls.

### Starting the Generator:

1. **EZ Start Dial:** Turn the EZ Start Dial to the 'Start' position. This dial simplifies the starting procedure by integrating choke, fuel, and engine run functions into one control.




Image: Close-up view of the EZ Start Dial for simplified engine startup.

2. **Pull Start:** Firmly pull the recoil start handle until the engine starts.
3. **Run Position:** Once the engine starts, turn the EZ Start Dial to the 'Run' position.

### Connecting Equipment:

The generator offers multiple outlets for various power needs:

- **120V 20A Household Duplex Outlet (5-20R):** For standard household appliances and tools.
- **12V Automotive-Style Outlet:** For charging 12V batteries or powering compatible devices.
- **Dual Port USB Adapter:** For charging mobile devices and other USB-powered electronics.

Plug in your desired equipment into the appropriate outlets. The generator provides clean power, safe for sensitive electronics.



Image: The generator's control panel showing the EZ Start Dial, Intelligauge, circuit breakers, and various power outlets.

### Economy Mode:

Activate Economy Mode to optimize fuel consumption and reduce noise. When the electrical load is reduced, the inverter automatically lowers engine speed, leading to quieter operation, extended engine life, and higher fuel economy.

### CO Shield® Safety System:

The integrated CO Shield® technology continuously monitors carbon monoxide (CO) levels. If unsafe elevated levels of CO gas are detected, the system will automatically shut off the engine to prevent carbon monoxide poisoning. This is a critical safety feature, but generators must ALWAYS be used outdoors, far away from occupied buildings.




Image: Illustration of the CO Shield® carbon monoxide auto-shutoff feature.

## Parallel Operation (Optional):

For increased power output, you can connect this inverter with another 2800-watt or higher Champion inverter using an optional Parallel Kit (sold separately). This allows you to combine the power of two units for greater versatility.




Image: Two Champion generators operating in parallel, connected to an RV.

## Maintenance

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

- **Oil Changes:** Regularly check and change the engine oil. The generator features a low oil shut-off sensor to protect the engine.
- **Air Filter:** Inspect and clean or replace the air filter as needed to ensure proper engine breathing.
- **Spark Plug:** Check and clean or replace the spark plug periodically for reliable starting and efficient combustion.

- **Fuel System:** Proper fuel storage and maintenance are essential, especially during extended periods of non-use, to prevent fuel degradation.
- **No Tool Access Panel:** The generator is designed with a no-tool access panel for easy maintenance tasks.

## Troubleshooting

If you encounter issues with your Champion generator, consult the official troubleshooting guide for detailed solutions. A common issue might be related to fuel, oil levels, or spark plug condition.
For a comprehensive guide, please refer to theTroubleshooting Guide (PDF).

## Specifications

| Attribute | Value |
|---|---|
| Brand | Champion Power Equipment |
| Model Name | 100571 |
| Wattage | 3500 watts (Starting), 2300 watts (Running) |
| Fuel Type | Gasoline |
| Power Source | Gas Powered |
| Engine Type | 4 Stroke |
| Engine Displacement | 122 Cubic Centimeters |
| Tank Volume | 1.2 Gallons |
| Runtime | 10 hours (at 25% load) |
| Noise Level | 58 dBA |
| Item Weight | 57.8 Pounds |
| Product Dimensions | 23.8"L x 16.4"W x 19.4"H |
| Special Feature | CO Sensor, Quiet Technology |
| Included Components | Engine Oil, Oil Funnel, Spark Plug Wrench, USB Adapter, Wheel Kit |
| UPC | 817198025674 |

## Warranty & Support

Your Champion Power Equipment 3500-Watt Portable Inverter Generator is backed by a **3-year limited warranty**, ensuring peace of mind regarding its quality and performance.
Additionally, Champion Power Equipment provides **FREE lifetime technical support** from dedicated experts. For any technical assistance or inquiries, please contact Champion Support.
You can also visit the official Champion Power Equipment Store for more information and resources.