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Champion Power Equipment 100307

Champion Power Equipment 100307 4375/3500-Watt Dual Fuel Portable Generator User Manual

Your comprehensive guide to setup, operation, and maintenance.

- Overview
- Safety
- Setup
- Operating
- Maintenance
- Troubleshooting
- Specifications
- Warranty & Support

PRODUCT OVERVIEW

The Champion Power Equipment 100307 is a versatile 4375 starting watt and 3500 running watt dual fuel portable generator. It is designed for convenience, offering the ability to operate on either gasoline or propane. This unit is RV-ready and features Cold Start Technology for reliable starting in cold weather. It includes a Volt Guard surge protector, Intelligauge for monitoring output and maintenance, and a low oil shut-off sensor for engine protection. The generator is EPA certified and CARB compliant.



Image: Front view of the Champion Power Equipment 100307 Dual Fuel Portable Generator, highlighting its yellow and black design and control panel.

## IMPORTANT SAFETY INFORMATION

Always read and understand the entire operator's manual before operating the generator. Failure to follow instructions can result in serious injury or death.

- **Carbon Monoxide Hazard:** Generators produce carbon monoxide, a colorless, odorless, poisonous gas. Use generators outdoors only, far away from windows, doors, and vents. Never use inside a home, garage, basement, crawlspace, or other enclosed area. The unit features CO Shield, an automatic shut-off system that will shut down the engine before dangerous levels of carbon monoxide accumulate.
- **Fire Hazard:** Gasoline and propane are highly flammable. Store fuel in approved containers in a well-ventilated area away from ignition sources. Do not refuel a hot engine.
- **Electrical Shock Hazard:** Never operate the generator in wet conditions. Ensure all electrical connections are dry 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 touching hot surfaces to prevent burns.
- **Moving Parts:** Keep hands, feet, hair, and clothing away from moving parts to prevent injury.
- **Noise Hazard:** Prolonged exposure to noise levels above 68 dBA can cause hearing damage. Use hearing protection when operating the generator.

## SETUP GUIDE

### Unpacking and Initial Assembly

Carefully remove the generator and all included accessories from the packaging. Inspect for any damage. The package includes the generator, one LPG hose with regulator, an oil funnel, and engine oil.



Image: Included accessories such as the LPG hose with regulator, oil funnel, and engine oil.

### Adding Engine Oil

The generator is shipped without engine oil. Before first use, you must add the provided 10W-30 engine oil. The unit has a 0.6-quart oil capacity. Use the included oil funnel to prevent spills. Ensure the generator is on a level surface when checking or adding oil.

### Fueling the Generator



This generator operates on either gasoline or propane (LPG).

- **For Gasoline:** Ensure the generator is off and cool. Open the fuel cap and carefully pour fresh, unleaded gasoline into the 3.4-gallon fuel tank. Do not overfill.
- **For Propane (LPG):** Connect the provided 3.3-foot propane hose with regulator to a 20-pound propane tank and to the generator's LPG inlet. Ensure all connections are tight.

 **EXTEND**

**\*SOLD SEPARATELY**

## 25 FT. GENERATOR CORD



**125 VOLT**



Image: Close-up of the propane hose with regulator, ready for connection to the generator and a propane tank.

### Optional Wheel Kit and Accessories

For enhanced portability, a wheel kit is available separately. Other accessories like generator covers and extension cords are also available.



Image: Components of an optional wheel kit for easy generator mobility.

## OPERATING INSTRUCTIONS

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### Control Panel Overview

The control panel features an Intelligauge display for monitoring voltage, hertz, and run-time hours. It also includes various outlets and circuit breakers for safe operation.



# ★ FEATURES



## DUAL FUEL

Run this generator on **GASOLINE** or **PROPANE** straight out of the box!



## INTELLIGAUGE

3-MODE digital meter



## COLD START

Starts easily in **COLD WEATHER**



## RV READY

Power an **RV AIR CONDITIONER**

Image: Detailed view of the generator's control panel, showing the Intelligauge, engine switch, and various power outlets.

## Starting the Generator

Ensure the generator is placed outdoors in a well-ventilated area, away from any openings to buildings.

1. **Fuel Selection:** Use the patented fuel selector switch to choose between gasoline or propane.
2. **Choke:** For cold starts, apply the choke as indicated on the unit.
3. **Start:** Pull the recoil start handle firmly or use the electric start button (if equipped) until the engine starts.
4. **Warm-up:** Allow the engine to run for a few minutes to warm up before connecting electrical loads.

## Connecting Electrical Loads

The generator provides multiple outlets:

- One 120V 30A RV outlet (TT-30R)
- One 120V 30A locking outlet (L5-30R)

- Two 120V 20A household outlets (5-20R)

Connect your appliances or RV power cord to the appropriate outlets. Do not overload the generator; monitor the Intelligauge for power output.

### Using Eco Mode

If available, Eco Mode automatically adjusts engine speed to match the load, improving fuel efficiency and reducing noise when less power is required.

### Shutting Down the Generator

To shut down the generator, first disconnect all electrical loads. Then, turn the engine switch to the OFF position. If running on gasoline, it is recommended to run the carburetor dry by turning off the fuel valve and letting the engine run until it stops.

Your browser does not support the video tag.

Video: Official product video demonstrating the features and operation of the Champion 4375W Wireless Start Dual Fuel Portable Generator.

## MAINTENANCE

Regular maintenance is crucial for the longevity and reliable operation of your generator. Refer to the operator's manual for detailed maintenance schedules.

- **Check Oil Level:** Always check the engine oil level before each use. The generator has a low oil shut-off sensor to prevent engine damage.
- **Change Oil:** Change the engine oil after the first 5-6 hours of operation, and then every 50 hours or annually thereafter.
- **Spark Plug:** Inspect and clean the spark plug regularly. Replace if worn or fouled.
- **Air Filter:** Clean the air filter element regularly, especially in dusty conditions. Replace if damaged.
- **Spark Arrester:** The spark arrester should be cleaned every 100 hours of operation or annually.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Engine will not start	No fuel, low oil, choke not set, spark plug issue	Add fuel, check oil level, adjust choke, inspect/replace spark plug
Generator stops during operation	Low oil shut-off, overload, out of fuel	Check/add oil, reduce load, refuel
No power output	Circuit breaker tripped, overload	Reset circuit breakers, reduce load

Problem	Possible Cause	Solution
Engine runs rough	Stale fuel, dirty air filter, fouled spark plug	Use fresh fuel, clean/replace air filter, clean/replace spark plug

## SPECIFICATIONS

Feature	Detail
Model Number	100307
Starting Watts (Gasoline)	4375 Watts
Running Watts (Gasoline)	3500 Watts
Starting Watts (Propane)	3950 Watts
Running Watts (Propane)	3150 Watts
Engine Size	224cc
Fuel Type	Gasoline, Propane (LPG)
Fuel Tank Capacity (Gasoline)	3.4 Gallons
Oil Capacity	0.6 Quarts (10W-30 recommended)
Noise Level	68 dBA (from 23 feet)
Outlets	1x 120V 30A RV (TT-30R), 1x 120V 30A Locking (L5-30R), 2x 120V 20A Household (5-20R)
Product Dimensions	23.2"L x 19.1"W x 20"H
Item Weight	104.9 Pounds
Special Features	Dual Fuel, RV Ready, Cold Start Technology, Intelligauge, Volt Guard, CO Shield

## WARRANTY AND SUPPORT

Your Champion Power Equipment 100307 generator is backed by a **3-year limited warranty**. Champion Support and their nationwide network of service centers are available to assist with any product-related inquiries or issues.





- **Technical Support:** FREE lifetime technical support is available.





- **Contact:** Refer to your operator's manual for specific contact information or visit the official Champion Power Equipment website.

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## Related Documents - 100307

	<p><a href="#">Champion CPG4000DHY-DF-SC Dubbelbränsle Invertergenerator Bruksanvisning</a></p> <p>Detaljerad bruksanvisning för Champion CPG4000DHY-DF-SC 3500W Dubbelbränsle Invertergenerator med öppen ram, som täcker säkerhet, drift, underhåll och specifikationer.</p>
	<p><a href="#">Champion 7500W Dual Fuel Electric Start Generator (201281) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Champion 7500W Dual Fuel Electric Start Generator (Model 201281), covering safety, assembly, operation, maintenance, troubleshooting, and warranty information.</p>
	<p><a href="#">Champion 201083 8500W Dual Fuel Electric Start Generator Operator's Manual</a></p> <p>This operator's manual provides comprehensive instructions for the Champion 201083 8500W Dual Fuel Electric Start Generator. It covers essential safety information, assembly procedures, detailed operation guides for both gasoline and propane, maintenance schedules, specifications, troubleshooting tips, and warranty details.</p>
	<p><a href="#">Champion 8000W Tri-Fuel Portable Generator (Model 100416) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Champion 8000W Tri-Fuel Portable Generator (Model 100416). Learn about safe operation, assembly, maintenance, specifications, and troubleshooting for gasoline, propane (LPG), and natural gas (NG) modes. Includes safety warnings, control descriptions, and warranty information.</p>

	<p><a href="#">Champion 201007 9000W Dual Fuel Portable Generator Operator's Manual</a></p> <p>Comprehensive operator's manual for the Champion 201007 9000W Dual Fuel Portable Generator. This guide covers essential safety precautions, detailed assembly instructions, operation procedures for both gasoline and propane, maintenance schedules, troubleshooting tips, and warranty information. Learn how to safely start, run, and maintain your generator for optimal performance and longevity.</p>
	<p><a href="#">Champion 8000W Dual Fuel Electric Start Generator (Model 201035) Operator's Manual</a></p> <p>Comprehensive operator's manual for the Champion 8000W Dual Fuel Electric Start Generator (Model 201035). It details safety precautions, assembly instructions, operating procedures, maintenance schedules, technical specifications, and troubleshooting guides to ensure safe and efficient use of the generator.</p>