

Sun Joe SJG4100LP

Sun Joe SJG4100LP Portable Propane Generator Instruction Manual

1. INTRODUCTION

Thank you for purchasing the Sun Joe SJG4100LP Portable Propane Generator. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your generator. Please read this manual thoroughly before operating the unit and keep it for future reference.

This generator is designed to provide reliable portable power for various applications, including home backup, RVs, camping, and worksites. It features a push-button electric start, recoil start, and operates exclusively on propane fuel.

2. SAFETY INFORMATION

WARNING: Operating a generator can be dangerous. Always follow safety precautions to prevent serious injury or death.

2.1 General Safety

- **Read the Manual:** Understand all instructions and warnings before use.
- **Outdoor Use Only:** Never operate the generator indoors or in enclosed areas. Generators produce carbon monoxide, an odorless, colorless, poisonous gas.
- **Keep Clear:** Maintain a safe distance from the generator during operation. Keep children and pets away.
- **Stable Surface:** Operate the generator on a level, stable surface to prevent tipping.
- **Emergency Shut-off:** Familiarize yourself with the generator's controls and how to quickly shut it off in an emergency.

2.2 Electrical Safety

- **Grounding:** Ensure the generator is properly grounded before use.
- **Dry Conditions:** Never operate the generator in wet conditions, rain, or snow. Keep hands dry when handling electrical components.
- **Overload Protection:** Do not overload the generator. It is equipped with dual circuit breakers to prevent damage from overcurrent.
- **Proper Cords:** Use only heavy-duty, outdoor-rated extension cords that are in good condition.

2.3 Propane Safety

- **Ventilation:** Always connect and disconnect propane tanks in a well-ventilated area, away from ignition sources.
- **Leak Checks:** Before each use, check all propane connections for leaks using a soapy water solution. Bubbles indicate a leak.
- **Secure Tank:** Ensure the propane tank is securely placed in the onboard storage area.
- **Storage:** Store propane tanks outdoors in a well-ventilated area, away from direct sunlight and heat sources.

3. COMPONENTS AND FEATURES

The Sun Joe SJG4100LP Portable Propane Generator is designed for ease of use and portability. Key components and features include:

- **Control Panel:** Centralized interface with an onboard LCD display, start/stop switch, and various outlets.
- **PowerSTART:** Push-button electric start powered by a 24V iON+ lithium-ion battery.
- **Recoil Start:** Manual pull-cord start option.
- **PowerCOOL:** Enhanced fan design for superior airflow, keeping the motor running cooler.
- **PowerFUEL:** Operates on propane, reducing carbon build-up and maintenance.
- **Multiple Outlets:** Two standard 120-volt AC outlets, USB-A and USB-C ports, a twist-lock receptacle, and an RV outlet (120V | 30A).
- **Collapsible Transport Handle:** For easy maneuverability and compact storage.
- **Onboard Propane Tank Storage:** Securely holds a 20 LB propane tank.
- **Low-Oil Sensor:** Automatically shuts off the engine if oil levels are too low.
- **Dual Circuit Breakers:** Protect against electrical overload.



Figure 3.1: Sun Joe SJG4100LP Portable Propane Generator with included accessories.



8 HORSE POWER, 4 STROKE OHV PROPANE-POWERED ENGINE

Figure 3.2: The generator features an 8 horsepower, 4-stroke OHV propane-powered engine and integrated propane tank storage.



ONBOARD LCD DISPLAY + CONTROL PANEL

Figure 3.3: The onboard LCD display and control panel provide easy access to generator functions and output options.

4. SETUP

4.1 Unpacking and Assembly

1. Carefully remove the generator and all components from the packaging.
2. Assemble the wheels and transport handle as per the included assembly guide. Ensure all bolts are securely tightened.

4.2 Adding Engine Oil

The generator is shipped without engine oil. You must add the correct type and amount of oil before first use.

1. Place the generator on a level surface.
2. Locate the oil fill cap/dipstick.

3. Slowly add 4-stroke engine oil (refer to the oil fill cap or engine specifications for the exact type and quantity, typically 5W-40). Do not overfill.
4. Replace the oil fill cap/dipstick and ensure it is secure.

4.3 Connecting Propane Tank

The generator uses a standard 20 LB propane tank (not included).

1. Place the propane tank securely in the onboard storage area.
2. Connect the included 5-foot propane hose to the propane tank and the generator's propane inlet. Ensure connections are tight.
3. Perform a leak check: Apply a soapy water solution to all connections. If bubbles appear, tighten the connection. If bubbles persist, do not operate the generator and contact customer support.



Figure 4.1: The generator includes a 5-foot propane hose that stores conveniently in the onboard compartment.

4.4 Charging the 24V Battery

The 24V iON+ lithium-ion battery powers the electric start. Ensure it is fully charged before first use.

1. Remove the battery from its compartment.
2. Connect the battery to the included charger.
3. Plug the charger into a standard electrical outlet. Charge until the indicator light shows a full charge.
4. Once charged, insert the battery back into its compartment on the generator.



Figure 4.2: The 24V battery is housed in a dedicated compartment and provides power for up to 400 starts on a single charge.

5. OPERATING THE GENERATOR

5.1 Pre-Start Checks

Before starting, ensure:

- The generator is on a level, outdoor surface.

- Engine oil level is correct.
- Propane tank is connected and valve is open.
- All electrical loads are disconnected from the generator outlets.
- The 24V battery is installed and charged.

5.2 Starting Procedure

The SJG4100LP offers both electric and recoil start options.

Electric Start:

1. Ensure the main circuit breaker is in the 'OFF' position.
2. Turn the fuel valve on the propane tank to the 'ON' position.
3. Press and hold the 'START' button on the control panel. The engine should start within a few seconds.
4. Once the engine is running smoothly, release the 'START' button.

Recoil Start:

1. Ensure the main circuit breaker is in the 'OFF' position.
2. Turn the fuel valve on the propane tank to the 'ON' position.
3. Grasp the recoil start handle firmly and pull it quickly and smoothly until the engine starts.
4. Allow the engine to warm up for a few minutes before connecting loads.



PUSH-BUTTON ELECTRIC + RECOIL START

Figure 5.1: The generator features a convenient push-button electric start for quick and easy operation.

5.3 Connecting Electrical Loads

1. Once the generator is running, switch the main circuit breaker to the 'ON' position.
2. Plug in your electrical devices or appliances into the appropriate outlets.
3. Do not exceed the generator's running wattage (3300 Watts) or the individual outlet's amperage rating.



Figure 5.2: The generator provides multiple outlets, including standard AC, USB, and RV connections, for various electronic devices and appliances.

5.4 Shutting Down the Generator

1. Disconnect all electrical loads from the generator.
2. Switch the main circuit breaker to the 'OFF' position.
3. Turn the fuel valve on the propane tank to the 'OFF' position.
4. Allow the engine to run until it stops from fuel starvation (this clears the fuel line).
5. Turn the generator's engine switch to the 'OFF' position.

6. MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your generator.

6.1 Engine Oil

- **Check Oil Level:** Check the engine oil level before each use. Add oil if necessary.
- **Change Oil:** Refer to the engine manual for recommended oil change intervals. Typically, the first oil change is after 20 hours of operation, then every 50-100 hours or annually.

6.2 Cleaning

- Keep the generator clean and free of dirt, debris, and oil.
- Clean cooling fins and air vents regularly to prevent overheating.
- Do not use water to clean the generator; use a damp cloth or soft brush.

6.3 Storage

- For long-term storage, ensure the propane tank is disconnected and stored separately.
- Store the generator in a clean, dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Ensure the 24V battery is fully charged before storage and recharged every 3-6 months to maintain its life.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with your generator.

Problem	Possible Cause	Solution
Generator won't start	No propane; Low engine oil; Battery not charged (electric start); Engine switch off; Spark plug issue.	Check propane tank and connections; Add engine oil; Charge 24V battery; Turn engine switch to 'ON'; Inspect/replace spark plug.
No power output	Circuit breaker tripped; Overloaded generator; Faulty cord/device.	Reset circuit breaker; Reduce electrical load; Test cord/device with another power source.
Engine runs erratically or stalls	Low propane; Clogged fuel line; Dirty air filter; Overheating.	Replace propane tank; Check propane hose for kinks; Clean/replace air filter; Ensure proper ventilation.
Low-oil sensor activates	Insufficient engine oil.	Check oil level and add oil as needed.

8. SPECIFICATIONS

Specification	Value
Brand	Sun Joe
Model Name	SJG4100LP
Starting Wattage	4100 Watts
Running Wattage	3300 Watts

Specification	Value
Fuel Type	Propane
Power Source	Battery Powered (for electric start)
Voltage	120 Volts
Frequency	60 Hz
Engine Type	4 Stroke
Item Weight	117 Pounds
Product Dimensions (L x W x H)	29.1" x 21.2" x 21.1"
Included Components	Propane hose, 24V 2.0-Ah Battery and Charger
Special Features	One-Touch Start, Enhanced Fan Design, LCD Display, Control Panel, Dual Circuit Breakers, Low-Oil Sensor, Onboard Propane Tank Cylinder Storage, Wheels, Easy Collapsible Transport Handle

9. WARRANTY AND SUPPORT

Your Sun Joe SJG4100LP Portable Propane Generator is backed by the Snow Joe + Sun Joe Customer Promise. New, powered products are warranted for **two years from the date of purchase**. This warranty is offered with **NO**

QUESTIONS ASKED.

For further assistance, product support, or warranty claims, please contact Snow Joe + Sun Joe customer support at: **1-866-766-9563**

You can also visit the official Sun Joe website for additional resources and product information.

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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

Anonymous

Email

you@example.com

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