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› [Sun Joe 24V-X2-PW1200 48-Volt IONMAX Cordless Portable Pressure Washer Kit User Manual](#)

### Sun Joe 24V-X2-PW1200

# Sun Joe 24V-X2-PW1200 48-Volt IONMAX Cordless Portable Pressure Washer Kit User Manual

Model: 24V-X2-PW1200 | Brand: Sun Joe

## 1. INTRODUCTION

Thank you for purchasing the Sun Joe 24V-X2-PW1200 48-Volt IONMAX Cordless Portable Pressure Washer Kit. This manual provides essential information for the safe and efficient operation, maintenance, and troubleshooting of your new pressure washer. Please read this manual thoroughly before use and keep it for future reference.

## Product Overview

The Sun Joe 24V-X2-PW1200 is a cordless, portable pressure washer designed for tackling various cleaning projects around your home, outdoors, and for auto cleaning. It is powered by the IONMAX lithium-ion battery system, offering mobility without the need for a continuous power outlet. The unit features a 600-watt motor, a self-priming pump, and a detachable 6.6-gallon bucket for water supply, or it can be connected directly to a tap. It includes a 5-in-1 Quick Connect nozzle and Pressure Select Technology for adjustable pressure settings.



Figure 1.1: Complete Sun Joe 24V-X2-PW1200 Pressure Washer Kit showing all included components.

## 2. IMPORTANT SAFETY INSTRUCTIONS

Always follow basic safety precautions when using electrical appliances to reduce the risk of fire, electric shock, and personal injury. This includes, but is not limited to:

- Read all instructions before using the appliance.
- Do not direct discharge stream at persons or animals.
- Do not allow children to operate the pressure washer.
- Wear appropriate eye protection and protective clothing.
- Ensure all connections are secure before operation.

- Do not operate the unit if any parts are damaged.
- Use only manufacturer-recommended accessories.
- Disconnect the battery pack when not in use or before servicing.

### 3. COMPONENTS AND FEATURES

Familiarize yourself with the parts of your Sun Joe pressure washer:

- **Main Unit:** Portable base with wheels and motor housing.
- **Detachable Bucket:** 6.6-gallon capacity for water supply.
- **Trigger Gun + Spray Wand:** For directing the high-pressure stream.
- **5-in-1 Quick Connect Nozzle:** Adjustable spray patterns.
- **High-Pressure Hose:** 20 feet in length.
- **Batteries:** Two 24V 4.0 Ah lithium-ion batteries.
- **Dual-Port Charger:** For charging the batteries.
- **Soap Sprayer Attachment:** For applying detergent.



## **2 X 24V 4.0 AH BATTERIES + DUAL-PORT CHARGER**

Figure 3.1: The pressure washer is powered by two 24V 4.0 Ah batteries, which are included along with a dual-port charger.



## 34" TRIGGER GUN + SPRAY WAND

Figure 3.2: The 34-inch trigger gun and spray wand provide extended reach and control for various cleaning tasks.

### 4. SETUP AND ASSEMBLY

Follow these steps to set up your pressure washer for first use:

- 1. Charge Batteries:** Fully charge both 24V 4.0 Ah lithium-ion batteries using the provided dual-port charger. Insert the charged batteries into the designated battery compartments on the main unit.
- 2. Attach High-Pressure Hose:** Connect the 20-foot high-pressure hose to the outlet on the pressure washer and to the trigger gun. Ensure connections are tight.
- 3. Attach Spray Wand and Nozzle:** Connect the spray wand to the trigger gun. Then, attach the 5-in-1 Quick Connect nozzle to the end of the spray wand.
- 4. Water Supply Connection:**
  - Using Detachable Bucket: Fill the 6.6-gallon detachable bucket with clean water. Place the bucket onto the main unit, ensuring it is securely seated. The pressure washer will draw water from the bucket.

- **Direct Tap Connection:** For continuous use, connect a standard garden hose (not included) to the inlet on the pressure washer base. Ensure the water supply is turned on.



## DETACHABLE 6.6-GAL BUCKET

Figure 4.1: The detachable 6.6-gallon bucket allows for portable water supply, ideal for locations without a direct hose connection.



## CONNECT BASE TO HOSE

Figure 4.2: For continuous operation, the pressure washer base can be connected directly to a standard garden hose.

## 5. OPERATING INSTRUCTIONS

Once assembled and connected to a water source, you can begin operation:

- 1. Power On:** Press the power button on the unit to turn on the pressure washer.
- 2. Select Pressure:** Utilize the Pressure Select Technology to choose between LOW (650 PSI) and HIGH (800 PSI) pressure settings, depending on your cleaning task.
- 3. Choose Nozzle Spray:** Twist the 5-in-1 Quick Connect nozzle to select the desired spray pattern (e.g., intense jet, gentle fan spray).
- 4. Begin Cleaning:** Aim the spray wand at the surface to be cleaned and squeeze the trigger gun. Release the trigger to stop the water flow. The Total Stop System (TSS) automatically shuts off the pump when the trigger is not engaged, saving energy and prolonging pump life.
- 5. Using Soap Sprayer:** Fill the soap sprayer attachment with appropriate pressure washer detergent. Attach it

to the spray wand and apply soap as needed. Remove and switch back to the 5-in-1 nozzle for rinsing.



Figure 5.1: The Pressure Select Technology allows you to easily switch between low and high pressure settings for optimal cleaning.



Figure 5.2: The versatile 5-in-1 nozzle provides various spray patterns, from a concentrated jet to a wide fan, by simply twisting the nozzle.



Figure 5.3: The Total Stop System (TSS) automatically engages when the trigger is released, conserving energy and extending the life of the pump.

## 6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your pressure washer:

- **After Each Use:** Disconnect the water supply and run the pressure washer for a few seconds to clear any remaining water from the pump and hose.
- **Clean Nozzles:** Regularly check and clean the nozzle openings to prevent blockages. Use the included nozzle cleaning tool if necessary.
- **Store Properly:** Store the pressure washer in a dry, frost-free area. If storing in freezing temperatures, ensure all water is drained from the unit to prevent damage.
- **Battery Care:** Store batteries in a cool, dry place. Do not store fully discharged. Charge them periodically if not in use for extended periods.

## 7. TROUBLESHOOTING

Refer to this section for common issues and their solutions:

Problem	Possible Cause	Solution
No water flow / Low pressure	No water supply; Clogged nozzle; Air in pump; Low battery.	Check water source; Clean nozzle; Purge air by running with trigger open; Recharge batteries.
Motor runs but no pressure	Air in pump; Inlet filter clogged.	Purge air; Clean inlet filter.
Unit stops during operation	Overheating; Low battery; TSS activated.	Allow unit to cool; Recharge battery; Ensure trigger is fully depressed.

## 8. TECHNICAL SPECIFICATIONS

Specification	Value
Model Number	24V-X2-PW1200
Voltage	48V (2 x 24V)
Motor Power	600 Watts
Max Pressure	1196 PSI (at initial discharge per CSA internal pressure testing)
Max Flow Rate	1 GPM (with nozzle open at minimum pressure)
Tank Volume	6.6 Gallons
Hose Length	20 Feet
Product Dimensions	19.7" L x 18.1" W x 14.9" H
Item Weight	28.3 pounds
Batteries	2 x 4.0 Ah Lithium Ion (included)



Figure 8.1: The Sun Joe pressure washer delivers up to 1196 PSI maximum pressure and 1 GPM maximum flow rate.

## 9. WARRANTY INFORMATION

This Sun Joe pressure washer is backed by a full 2-year warranty for worry-free performance. Please refer to the warranty card included with your product for specific terms and conditions, or visit the official Sun Joe website for detailed warranty information and registration.

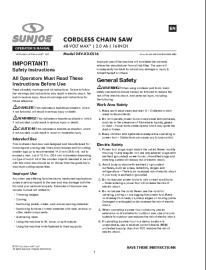
## 10. CUSTOMER SUPPORT

For technical assistance, replacement parts, or any questions regarding your Sun Joe 24V-X2-PW1200 pressure washer, please contact Sun Joe customer support. Contact information can typically be found on the product

packaging or the official Sun Joe website.

You can also visit the [Sun Joe Store on Amazon](#) for more product information and support resources.

## Related Documents - 24V-X2-PW1200

	<p><a href="#">Sun Joe 24V-X2-CS16 Cordless Chain Saw Operator's Manual</a></p> <p>Essential operator's manual for the Sun Joe 24V-X2-CS16 Cordless Chain Saw, covering safety, operation, maintenance, and troubleshooting for the 48-Volt MAX* 16-inch tool.</p>
	<p><a href="#">Sun Joe Cordless Lawn Mower 24V-X2-16LM Operator's Manual</a></p> <p>Operator's manual for the Sun Joe 48V MAX* 4.0 Ah 16-INCH Cordless Lawn Mower, Model 24V-X2-16LM. Includes safety instructions, technical data, unpacking, battery and charger operation, and assembly.</p>
	<p><a href="#">Sun Joe 24V-ST14 Cordless Trimmer + Edger Operator's Manual</a></p> <p>Comprehensive operator's manual for the Sun Joe 24V* IONMAX™ 4.0 Ah 12-inch Cordless Trimmer + Edger (Model 24V-ST14). Covers safety instructions, operation, assembly, maintenance, troubleshooting, and warranty information for efficient and safe yard work.</p>
	<p><a href="#">Sun Joe 24V-X2-DTS15 Cordless Lawn Scarifier + Dethatcher Operator's Manual</a></p> <p>Comprehensive operator's manual for the Sun Joe 24V-X2-DTS15 Cordless Lawn Scarifier + Dethatcher, covering safety instructions, operation, maintenance, and troubleshooting.</p>
	<p><a href="#">Sun Joe 24V MAX* 2.0 Ah 16-Inch Cordless Hedge Trimmer Operator's Manual</a></p> <p>This manual provides essential safety instructions, operating guidelines, and maintenance tips for the Sun Joe 24V MAX* 2.0 Ah 16-Inch Cordless Hedge Trimmer (Model 24V-HT16-LTE). Learn how to safely use, care for, and maintain your hedge trimmer for optimal performance.</p>



## [Sun Joe Cordless Garden Chemical Sprayer 24V\\* IONMAX Operator's Manual](#)

Operator's manual for the Sun Joe Cordless Garden Chemical Sprayer 24V\* IONMAX, 1.3 Ah, 1 Gal. Includes safety instructions, operation details, battery and charger information, and technical specifications.