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› Sun Joe 24V-X2-17LM Lawn Mower Instruction Manual

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SUN JOE 24 VOLT 17 INCH MULCHING WALK BEHIND LAWN MOWER

Model: 24V-X2-17LM

1. INTRODUCTION AND OVERVIEW

Thank you for choosing the Sun Joe 24 Volt 17 Inch Mulching Walk Behind Lawn Mower. This cordless electric lawn mower is designed for efficient and convenient lawn care, offering a 17-inch cutting width, 6-position height adjustment, and an 11-gallon grass catcher. Powered by two 24V 4.0 Ah lithium-ion batteries (48V total), it provides ample runtime for maintaining your lawn without the hassle of cords or gasoline.



Figure 1: Sun Joe 24V-X2-17LM Lawn Mower with included batteries and charger.

2. SAFETY INFORMATION

Always prioritize safety when operating any power tool. Read and understand all instructions and warnings in this manual before use. Keep hands and feet away from the cutting blade. Wear appropriate personal protective equipment, including eye protection and sturdy footwear. Ensure the safety key is removed when the mower is not in use or during maintenance.

For detailed safety guidelines, please refer to the complete User Manual (PDF) available via the provided link [User Manual \(PDF\)](#).

Video 1: Demonstration of the Sun Joe 24V-17LM Lawn Mower in action, highlighting key features and operation.

3. COMPONENTS AND ASSEMBLY

Your Sun Joe lawn mower comes with the main mower unit, two 24V 4.0 Ah lithium-ion batteries, a dual-port charger, and a grass catcher assembly. Minimal assembly is required before first use.

3.1 Unpacking and Identifying Components

MOW POWER!

SUNJOE

**17" 48V Cordless
LAWN MOWER**

4.0-Ah Batteries + Charger Included

**With 11 Gallon
Grass Catcher**





**48V IONMAX
System**

2 x 24V 4.0 Ah
batteries for gas-free,
hassle-free operation



**6-Position
Height Control**

6-position manual
height adjustment
lever: 1" to 3"



**Maintenance
Free**

No gas, oil or
tune-ups



**Powerful
Motor**

670-Watt brushless
motor runs cooler and
lasts longer

**ONE BATTERY
150+
TOOLS**



**IONMAX™
CORDLESS SYSTEM**

Figure 2: All major components of the Sun Joe lawn mower kit.

3.2 Handle Assembly

Attach the upper handle to the lower handle using the provided bolts and knobs. Ensure all connections are secure.

3.3 Grass Catcher Assembly

Assemble the grass catcher bag by attaching the fabric bag to the plastic frame. Then, hook the assembled grass catcher onto the rear of the mower.

Video 2: Detailed assembly instructions for the Sun Joe 24V Battery Lawn Mower.

4. CHARGING AND BATTERY CARE

The Sun Joe lawn mower is powered by two 24V 4.0 Ah lithium-ion batteries. For optimal performance and longevity, ensure batteries are fully charged before each use.

4.1 Charging the Batteries

Insert both batteries into the dual-port charger. The indicator lights on the charger will show the charging status. A full charge typically takes approximately 2 hours.



Figure 3: Sun Joe IONMAX 24V batteries ready for charging or use.

4.2 Battery Insertion and Removal

To insert batteries, open the battery compartment cover on the mower. Slide each battery into its designated slot until it clicks securely into place. Ensure the safety key is inserted for operation. To remove, press the release tabs on the batteries and pull them out.

Video 3: Demonstration of battery insertion, charging, and general mower features.

5. OPERATING INSTRUCTIONS

5.1 Starting and Stopping the Mower

To start the mower, first ensure the safety key is fully inserted. Press and hold the safety button, then pull the switch lever towards the handle. Release the safety button once the motor starts. To stop the mower, simply release the switch lever.



Figure 4: Woman demonstrating the ease of use of the Sun Joe lawn mower.

5.2 Adjusting Cutting Height

The mower features a 6-position height adjustment, allowing you to set the cutting height from 1 inch to 3 inches. Locate the height adjustment lever on the mower deck. Pull the lever outwards and move it to the desired position, then release to lock it in place.

MOW POWER!


SUNJOE

Customizable Cutting Height

Easily adjust 6-position cutting
height from 1–3 inches.

Figure 5: The height adjustment lever offers 6 cutting positions.

5.3 Mulching and Bagging

The Sun Joe mower offers both mulching and bagging capabilities. For mulching, ensure the mulching plug is inserted into the rear discharge chute. For bagging, remove the mulching plug and attach the grass catcher.

MOW POWER!



11-Gallon Grass Catcher

Collects clippings and prevents thick thatch build-up.

Figure 6: The 11-gallon grass catcher collects clippings efficiently.

Video 4: A detailed look at how the Sun Joe 17" Battery Lawn Mower operates, including mulching and bagging functions.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your lawn mower.

6.1 Cleaning the Mower

After each use, disconnect the safety key and batteries. Clean the mower deck and blade area of any grass clippings and debris. Use a damp cloth; do not use water jets or harsh chemicals.

6.2 Blade Care

Periodically inspect the 17-inch steel blade for sharpness and damage. A dull blade can tear grass, leading to an unhealthy lawn. Sharpen or replace the blade as needed. Always wear heavy-duty gloves when handling the blade.

6.3 Storage

Store the mower in a dry, secure location away from direct sunlight and extreme temperatures. Remove batteries from the mower before storing for extended periods. The handle can be folded for compact storage.



Figure 7: Emptying the 11-gallon grass catcher is quick and easy.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Mower does not start	Safety key not inserted; Batteries not charged; Switch lever not pulled correctly.	Insert safety key fully; Charge batteries; Ensure safety button is pressed before pulling lever.
Poor cutting performance	Dull blade; Incorrect cutting height; Wet or excessively tall grass.	Sharpen or replace blade; Adjust cutting height; Mow when grass is dry and not excessively tall.

Problem	Possible Cause	Solution
Excessive vibration	Damaged or unbalanced blade; Loose components.	Inspect and replace blade if damaged; Tighten all fasteners.

8. SPECIFICATIONS

Feature	Specification
Brand	Sun Joe
Model Number	24V-X2-17LM
Power Source	Battery Powered (2x 24V 4.0 Ah Lithium-Ion)
Cutting Width	17 Inches
Height Adjustment Positions	6 (1" to 3")
Motor	670-watt Brushless
Grass Catcher Capacity	11 Gallons
Item Weight	33.8 Pounds
Product Dimensions	33"D x 19.5"W x 15.5"H
UPC	842470121249

MOW POWER!



Figure 8: Key specifications of the Sun Joe 24V-X2-17LM Lawn Mower.

9. WARRANTY AND SUPPORT

The Sun Joe 24V-X2-17LM Lawn Mower is backed by a full 2-year warranty, ensuring reliable performance and peace of mind. For any support inquiries, troubleshooting assistance, or to register your product, please visit the official Sun Joe Store or refer to the comprehensive User Manual.

- Official User Manual (PDF): [Download Here](#)
- Sun Joe Store: [Visit Store](#)

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