

PowerSmart V8621S

PowerSmart Self Propelled Gas Lawn Mower

Model: V8621S

Brand: PowerSmart

1. IMPORTANT SAFETY INFORMATION

Always read and understand this manual before operating the lawn mower. Failure to follow instructions can result in serious injury or property damage.

- **Keep away from children:** Ensure children and pets are kept at a safe distance from the operating area.
- Wear appropriate personal protective equipment, including eye protection and sturdy footwear.
- Never operate the mower without the grass bag, discharge cover, or other safety devices in place.
- Before performing any maintenance or clearing blockages, always turn off the engine and disconnect the spark plug wire.

2. SETUP AND ASSEMBLY

The PowerSmart lawn mower is designed for straightforward assembly. Follow these steps to prepare your mower for first use.

2.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any shipping damage. If any parts are missing or damaged, contact customer support immediately.

2.2 Handle Assembly

The foldable handle design allows for compact storage and easy unfolding. Secure the handle in the operating position using the provided fasteners. Ensure all connections are tight before use.



Image: The lawn mower with its handle folded, demonstrating its compact storage capability.



FOLD & STORAGE EASILY

MOW, FOLD, DONE

Image: The lawn mower shown in an upright, folded position, highlighting its space-saving design.

2.3 Adding Oil and Fuel

Before starting, add the appropriate type and amount of engine oil and gasoline. Refer to the engine manual for specific oil recommendations and capacities. Do not overfill.

3. OPERATING INSTRUCTIONS

This section provides guidance on how to operate your PowerSmart lawn mower effectively and safely.

3.1 Starting the Engine

Ensure the fuel tank is filled and the oil level is correct. The 170cc OHV 4-cycle engine features an auto choke for easy starting. Pull the recoil starter firmly until the engine starts.



Image: A detailed view of the 170cc OHV engine, emphasizing its design for powerful performance.

3.2 Self-Propelled RWD System

The rear-wheel-drive (RWD) system provides excellent traction, especially on inclined slopes and uneven terrain. Engage the self-propel lever to activate the drive system. The mower operates at a single speed of 3.9-4.2 km/h.



Image: A person pushing the PowerSmart lawn mower, illustrating the self-propelled rear-wheel drive system in action.

3.3 Mowing Functions (3-in-1)

Your mower offers three versatile mowing options: mulching, side discharge, and rear bagging.

- **Mulching:** Finely cuts grass clippings and returns them to the lawn as natural fertilizer.
- **Side Discharge:** Directs clippings out of the side chute, useful for taller grass.
- **Rear Bagging:** Collects clippings in the 1.4-bushel capacity grass bag for easy disposal.



3-IN-1 FEATURES

MULCH, DISCHARGE, REAR BAG

Image: A person operating the PowerSmart lawn mower with the grass bag attached, demonstrating its 3-in-1 features.



DURABLE STEEL DECK

21.5" DECK, 21" BLADE

Image: An underside view of the mower's durable steel deck and 21-inch mulching blade.

3.4 Adjusting Cutting Height

The cutting height can be adjusted quickly and easily with a 6-position, 2-wheel height adjustment system. Heights range from 1.5 inches to 3.9 inches.





Image: A close-up of the cutting height adjustment mechanism, showing the range from 1.5 to 3.9 inches.

3.5 Official Product Video

Watch this official video from PowerSmart for a visual guide on operating your lawn mower:

Your browser does not support the video tag.

Video: An official demonstration of the PowerSmart 21-inch 170cc Self-Propelled Lawn Mower, showcasing its features and operation.

4. MAINTENANCE

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

4.1 General Cleaning

After each use, clean the mower deck and remove any grass clippings. Be cautious when tilting the mower, as oil may leak if not properly sealed. Cleaning the underside prevents rust and maintains cutting efficiency.

4.2 Component Inspection and Replacement

Periodically inspect all bolts, nuts, and moving parts for tightness and wear. Replace any worn or damaged components promptly. Refer to the parts diagram for identification.

KEEP IT RUNNING

DV8621S



Image: An exploded diagram showing various parts of the PowerSmart lawn mower, including the foldable handle, rear wheel, side discharge chute, blade, self-propelled belt, oil, front wheel, grass collector, cable clip, spark plug, and air filter.

4.3 Engine Maintenance

Regularly check and replace the spark plug and air filter as needed to ensure efficient engine operation. Consult the engine manual for recommended service intervals.

5. TROUBLESHOOTING

This section addresses common issues you might encounter and provides solutions.

Problem	Possible Cause	Solution
Engine does not start	No fuel, old fuel, fouled spark plug, flooded engine.	Check fuel level and quality. Clean or replace spark plug. Allow engine to cool if flooded.
Self-propelled system too fast or wheels don't grip	Operating on slippery surfaces, drive belt issue.	Ensure good traction. Inspect and adjust or replace the self-propelled belt if necessary.
Loose or broken parts (e.g., handle bolts, wheel bolts)	Vibration during operation, wear and tear.	Tighten all fasteners regularly. Replace any broken components with genuine PowerSmart parts.
Oil leakage when tilted	Improper tilting angle, unsecured oil plug.	Avoid tilting the mower excessively. Ensure the oil plug is securely fastened.

If you encounter issues not listed here or require further assistance, please contact PowerSmart customer support.

6. SPECIFICATIONS

Detailed technical specifications for the PowerSmart Self Propelled Gas Lawn Mower, Model V8621S.

- Brand:** PowerSmart
- Model:** V8621S
- Power Source:** Gas Powered
- Engine:** 170cc OHV 4-Cycle Engine
- Material:** Alloy Steel
- Color:** Red
- Item Weight:** 66.3 Pounds
- Cutting Width:** 21 Inches
- Cutting Height Adjustment:** 6-position, 2-wheel adjustment
- Minimum Adjustable Cutting Height:** 1.5 Inches
- Maximum Adjustable Cutting Height:** 3.9 Inches
- Operation Mode:** Manual (with self-propelled RWD)
- Product Dimensions:** 37"D x 18"W x 25"H
- Grass Bag Capacity:** 1.4-bushel
- UPC:** 817582019449

Manufacturer: Amerisun Inc.

7. WARRANTY AND SUPPORT

PowerSmart is committed to providing reliable products and dependable service.

- **Service Centers:** PowerSmart maintains over 500 certified repair centers across the U.S. for product repair and service needs.
- **Replacement Parts:** Full replacement parts are available through the IL headquarters.
- **Contact Support:** For any issues or inquiries, please contact PowerSmart customer support. They are known for being responsive and helpful.
- **Return Policy:** Please note that this item is non-returnable due to hazardous materials regulations regarding its transportation.

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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

