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› PowerSmart 80V Battery Lawn Mower 21 Inch (PS76821) Instruction Manual

PowerSmart PS76821

PowerSmart 80V Battery Lawn Mower 21 Inch (PS76821) Instruction Manual

IMPORTANT SAFETY INSTRUCTIONS

Read all instructions carefully before operating the lawn mower. Failure to follow these instructions may result in serious injury or property damage. Keep this manual for future reference.

- Always wear appropriate personal protective equipment, including eye protection and sturdy footwear, when operating the mower.
- Ensure the safety key is removed when the mower is not in use, during cleaning, or when performing maintenance.
- Keep hands and feet away from the cutting blade.
- Do not operate the mower in wet grass or rain.
- Clear the mowing area of any objects that could be thrown by the blade.
- Keep bystanders, especially children and pets, at a safe distance from the mowing area.
- Never attempt to adjust the cutting height while the motor is running.
- Inspect the mower for damage before each use. Do not operate if damaged.

PRODUCT OVERVIEW

The PowerSmart 80V Battery Lawn Mower (Model PS76821) is a cordless electric push mower designed for efficient lawn care. It features a 21-inch cutting deck and offers 3-in-1 functionality for mulching, side discharge, and rear bagging.



The Motor Can Not Be Started Unless:

- a. The handle are locked into the operating
- b. The upper handle is fully extended.
- c. Both handle locking clamps are securely closed.

Figure 1: Overview of the PowerSmart 80V Lawn Mower, highlighting key components such as the mowing trigger, start switch, light switch, safety-key insert, safety double-start, folding handle, side discharge chute, 5-position height adjustment, and 21-inch cutting blade.

POWER SMART®
80V BATTERY



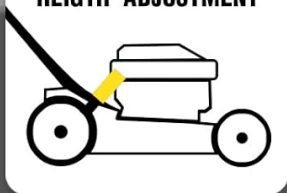
**BRUSHLESS MOTOR
PROVIDES MORE POWER , QUIET OPERATION
LONGER RUNTIMES,EXTENDED MORE LIFE**

Figure 2: Illustration of the 3-in-1 deck versatility, showing options for rear bagging, mulching, and side discharge.

POWER SMART[®]
80V BATTERY



**DUAL LEVER
HEIGHT ADJUSTMENT**



5-HEIGHT SETTINGS

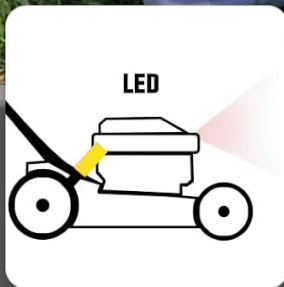
1.18"

3.0"



Figure 3: The mower is equipped with a brushless motor, designed for efficient operation and extended product life.

POWER SMART®
80V BATTERY



LED LIGHT FOR DIFFERENT NEEDS

Figure 4: The mower includes an integrated LED light for improved visibility during operation in low-light conditions.

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ADJUSTABLE HANDLE DESIGN
FOLD HANDLE FOR TIDILY STORAGE

Figure 5: The adjustable handle design allows for quick folding and extension, facilitating compact storage.

Product Video Overview

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Video 1: An overview of the PowerSmart 80V Lawn Mower (PS76821), demonstrating its features and general use.

ASSEMBLY

1. Handle Assembly

The mower features a quick-fold design, requiring minimal assembly. Extend the handle to its full operating position. Ensure the handle locking clamps are securely closed to prevent movement during operation.



Figure 6: The motor will not start unless the handle is locked into the operating position, the upper handle is fully extended, and both handle locking clamps are securely closed.

2. Battery Insertion

Open the battery compartment cover. Align the 80V battery with the battery slot and push it firmly until it clicks into place. Close the battery compartment cover securely.

POWER SMART
80V BATTERY



Up to 0.5 acre per charge

Figure 7: The battery compartment showing the 80V battery and charger. Ensure the battery is fully charged before insertion.

3. Grass Bag / Side Discharge Chute Installation

Depending on your desired mowing method, install the grass collection bag or the side discharge chute. Refer to the diagrams for proper attachment.

OPERATION

1. Battery Charging

Before first use, fully charge the 80V 6.0Ah battery using the included charger. The charger indicator lights will show the charging status. A full charge provides up to 50 minutes of run time, capable of cutting over 1/2 acre of grass.

2. Adjusting Cutting Height

The mower offers a single-lever, 5-position height adjustment, ranging from 1.18 inches to 3 inches. To adjust, pull the height adjustment lever outwards and move it to the desired position. Ensure all wheels are set to the

same height.



Figure 8: The mower features 5 adjustable cutting height settings, from 1.18 inches to 3.0 inches, suitable for various grass types and conditions.

3. Starting the Mower

To start the mower, ensure the battery is inserted and the safety key is in place. Follow these steps:

1. Long press the start button until the green light illuminates.
2. Press and hold the lawn mower wrench (mowing trigger) while simultaneously holding the start button.
3. Release the start button once the blade begins to turn. Continue holding the mowing trigger to operate the mower.



Figure 9: Visual guide for the safety start steps, illustrating the sequence of pressing the start button and mowing trigger.

4. Stopping the Mower

Release the mowing trigger to stop the mower. The blade will cease rotation within a few seconds. Always remove the safety key when finished mowing or when leaving the mower unattended.

5. Mowing Tips

- For best results, mow dry grass.
- Avoid cutting more than one-third of the grass blade length at a time.
- Overlap cutting paths slightly to ensure an even cut.
- Use the LED light for improved visibility in shaded areas or during early morning/late evening mowing.

6. 3-in-1 Functionality

The mower supports three cutting modes:

- **Rear Bagging:** Attach the grass collection bag to collect clippings.
- **Mulching:** Remove the grass bag and side discharge chute. The mower will finely cut and redistribute clippings back onto the lawn.
- **Side Discharge:** Attach the side discharge chute to direct clippings away from the mower.

Operation Video

Your browser does not support the video tag.

Video 2: A detailed operation video for the PowerSmart 80V Lawn Mower (PS76821), demonstrating starting, stopping, and general use.

MAINTENANCE

Regular maintenance ensures optimal performance and extends the life of your lawn mower. Always remove the safety key and battery before performing any maintenance.

1. Cleaning

- After each use, clean the underside of the mower deck to prevent grass buildup, which can affect cutting performance.
- Wipe down the exterior of the mower with a damp cloth. Do not use water jets or high-pressure washers directly on electrical components.

2. Blade Care

- Periodically inspect the cutting blade for sharpness and damage. A dull or damaged blade can lead to poor cutting quality and increased battery drain.
- If the blade is dull, have it sharpened by a qualified service technician. If the blade is bent or cracked, it must be replaced.
- When replacing the blade, ensure the replacement blade is the correct model for PS76821.

3. Battery Storage

- Store the battery in a cool, dry place, away from direct sunlight and extreme temperatures.
- For long-term storage, ensure the battery is partially charged (around 50%) to maintain its health.

TROUBLESHOOTING

This section addresses common issues you might encounter with your PowerSmart 80V Lawn Mower.

Problem	Possible Cause	Solution
Mower does not start	<ul style="list-style-type: none">• Battery not inserted correctly or discharged.• Safety key not inserted.• Handle not fully extended or clamps not secured.• Start button/mowing trigger sequence incorrect.	<ul style="list-style-type: none">• Ensure battery is fully charged and properly seated.• Insert safety key.• Extend handle fully and secure all clamps.• Follow the correct starting procedure (see Operation section).
Short run time	<ul style="list-style-type: none">• Battery not fully charged.• Mowing tall or wet grass.• Blade is dull or damaged.	<ul style="list-style-type: none">• Fully charge the battery before use.• Avoid mowing excessively tall or wet grass. Adjust cutting height.• Inspect and sharpen or replace the blade.
Mower stalls frequently	<ul style="list-style-type: none">• Grass is too tall or dense.• Mower deck is clogged with clippings.• Blade is dull or damaged.	<ul style="list-style-type: none">• Raise the cutting height. Mow in smaller passes.• Clean the underside of the mower deck.• Inspect and sharpen or replace the blade.
Uneven cut	<ul style="list-style-type: none">• Cutting height not set evenly.• Dull or damaged blade.	<ul style="list-style-type: none">• Ensure all wheels are set to the same cutting height.• Inspect and sharpen or replace the blade.

SPECIFICATIONS

Feature	Detail
Model Number	PS76821

Feature	Detail
Brand	PowerSmart
Power Source	Battery Powered (80V)
Battery Included	6.0Ah 80V Battery
Charger Included	Yes
Cutting Width	21 Inches
Cutting Height Adjustment	5 Positions (1.18" to 3")
Mowing Functions	3-in-1 (Mulching, Side Discharge, Rear Bagging)
Deck Material	Alloy Steel
Product Dimensions (D x W x H)	37.4" x 21" x 63"
Approximate Run Time	Up to 50 minutes (on a single charge)

WARRANTY INFORMATION

The PowerSmart 80V Battery Lawn Mower (Model PS76821) comes with a **2-year warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty card included with your product or contact customer support.

CUSTOMER SUPPORT

For assistance with assembly, operation, maintenance, or troubleshooting, please contact PowerSmart Customer Support. Contact details can typically be found on the product packaging, the official PowerSmart website, or through your retailer's customer service portal.