



Manuals.plus /

› SOYUS /

› SOYUS 20V 12-Inch Cordless Electric Snow Shovel User Manual

SOYUS ASYSN0330020

SOYUS 20V 12-Inch Cordless Electric Snow Shovel User Manual

Model: ASYSN0330020

1. IMPORTANT SAFETY INFORMATION

Always adhere to general safety guidelines when operating snow removal equipment. This includes wearing appropriate protective gear, exercising caution around moving parts, and ensuring proper handling of electrical components.

- Read all instructions carefully before use.
- Wear eye protection and appropriate footwear.
- Keep hands, feet, and clothing away from rotating parts.
- Ensure the work area is clear of debris and other individuals.
- Do not operate in wet conditions or rain.
- Store the device and battery in a dry, secure location.

2. PRODUCT OVERVIEW

The SOYUS 20V 12-Inch Cordless Electric Snow Shovel is designed for efficient and convenient snow removal from various surfaces. It features a powerful motor, a rechargeable lithium-ion battery, and user-friendly controls.



Figure 2.1: SOYUS 20V 12-Inch Cordless Electric Snow Shovel

Key Features:

- **Powerful 20V Motor:** Provides efficient snow clearing.
- **4.0 Ah Lithium-Ion Battery:** Offers up to 20-30 minutes of operation.
- **12-Inch Clearing Width & 6-Inch Clearing Depth:** Ideal for steps, patios, decks, walkways, and driveways.
- **Durable Dual-Curved Spiral Blades:** Designed for effective snow cutting.
- **Adjustable Handle with LED Light:** Enhances ergonomics and visibility.
- **Dual Safety Switch:** Prevents accidental starts.
- **Adjustable Directional Plate:** Allows for precise snow throwing direction (+/- 30 degrees).

- **Lightweight Design:** Weighs only 12 pounds for easy handling.

3. SETUP AND ASSEMBLY

The SOYUS Electric Snow Shovel is designed for quick and tool-free assembly.

Assembly Steps:

1. **Connect the Shaft:** Align the two sections of the telescopic shaft and twist to secure them together. Ensure a firm connection.
2. **Attach the Handle:** Secure the adjustable handle to the main shaft. Adjust to a comfortable height and angle using the locking mechanism.
3. **Insert the Battery:** Slide the fully charged 20V 4.0Ah lithium-ion battery into the battery compartment until it clicks into place.



Figure 3.1: Assembly Steps

Battery Charging:

Before first use, fully charge the 4.0Ah lithium-ion battery using the provided 2.2A fast charger. Refer to the charger's instructions for proper charging procedures. A fully charged battery provides approximately 20-30 minutes of runtime.

4. OPERATING INSTRUCTIONS

Starting the Snow Shovel:

1. Ensure the battery is securely installed.
2. Grip the handle firmly.
3. Engage the dual safety switch (typically a button that must be pressed before pulling the trigger).
4. Pull the trigger to start the motor.

Clearing Snow:

- Push the snow shovel forward into the snow. The 12-inch clearing width and 6-inch clearing depth allow for efficient removal.
- For deeper snow, clear in multiple passes.

- The shovel can throw snow up to 16.5 feet.



Figure 4.1: Clearing Depth and Width

Directional Control:

Use the adjustable directional plate to control where the snow is thrown. The plate can be rotated +/- 30 degrees to direct snow away from cleared areas or obstacles.



Figure 4.2: Adjustable Directional Plate

LED Light Usage:

The integrated LED light provides increased visibility during low-light conditions. Activate the light as needed for safer operation.



Figure 4.3: LED Lights for Visibility

Operational Video:

Your browser does not support the video tag.

Video 4.1: Demonstrating the SOYUS 20V 12-Inch Electric Snow Shovel in action, highlighting its cordless operation and snow clearing capabilities.

5. MAINTENANCE

- **Cleaning:** After each use, remove any snow, ice, or debris from the shovel, especially around the blades and motor housing. Use a damp cloth for cleaning. Do not use harsh chemicals.
- **Battery Care:** Store the battery in a cool, dry place. Do not expose it to extreme temperatures. Charge the battery fully before long-term storage.
- **Storage:** Disassemble the shovel for compact storage if desired. Store the unit and battery in a dry, protected area away from direct sunlight and moisture. Use the provided dust cover to protect the unit.
- **Blade Inspection:** Periodically inspect the dual-curved spiral blades for wear or damage. Replace if necessary to maintain optimal performance.

6. TROUBLESHOOTING

This section addresses common issues you might encounter with your SOYUS Electric Snow Shovel.

Problem	Possible Cause	Solution
Shovel does not start	Battery not charged or improperly installed; Safety switch not engaged; Trigger not pulled.	Ensure battery is fully charged and correctly inserted. Engage the safety switch before pulling the trigger.
Reduced snow throwing distance/power	Low battery charge; Wet, heavy snow; Obstruction in the chute; Worn blades.	Recharge battery. Clear snow in smaller passes for wet snow. Check for and remove any obstructions. Inspect and replace blades if worn.
Motor stops during operation	Overload protection activated; Battery depleted.	Release the trigger, clear any blockage, and restart. Recharge or replace the battery.

7. SPECIFICATIONS

Feature	Detail
Brand	SOYUS
Model Number	ASYSN0330020
Power Source	20V Lithium-Ion Battery
Battery Capacity	4.0 Ah
Clearing Width	12 inches
Clearing Depth	6 inches
Snow Throwing Distance	Up to 16.5 feet
Item Weight	12 pounds
Product Dimensions (L x W x H)	19.5 x 13.6 x 10.6 inches
Blade Material	High Carbon Steel
Handle Material	Acrylonitrile Butadiene Styrene (ABS)
Grip Type	Ergonomic
Color	Blue

8. WARRANTY AND CUSTOMER SUPPORT

For warranty information, product registration, or technical assistance, please contact SOYUS customer service. Keep your purchase receipt as proof of purchase.

Visit the official SOYUS store for more products and support: [SOYUS Store](#)

