

## Snow Joe 24VCHRG-QC

# Snow Joe IONMAX 24-Volt Lithium-Ion Battery Quick Charger (Model 24VCHRG-QC) Instruction Manual

## 1. INTRODUCTION

This manual provides essential information for the safe and effective use of your Snow Joe IONMAX 24-Volt Lithium-Ion Battery Quick Charger, Model 24VCHRG-QC. This charger is designed exclusively for use with Snow Joe, Sun Joe, and Auto Joe IONMAX 24-volt lithium-ion batteries. Please read this manual thoroughly before operating the charger and retain it for future reference.



Figure 1: Snow Joe IONMAX 24-Volt Lithium-Ion Battery Quick Charger.

## 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, the following:

- **Read all instructions:** Familiarize yourself with the charger's operation and potential hazards.
- **Indoor use only:** This charger is designed for indoor use in dry conditions. Do not expose it to rain or wet conditions.
- **Proper ventilation:** Ensure adequate ventilation during charging. Do not cover the charger or battery.
- **Use only specified batteries:** Only charge Snow Joe, Sun Joe, and Auto Joe IONMAX 24-volt lithium-ion batteries. Attempting to charge other battery types may cause personal injury and damage.
- **Damaged cord/plug:** Do not operate the charger with a damaged cord or plug. Replace immediately if damaged.
- **Avoid electrical shock:** Do not disassemble the charger. Refer all servicing to qualified service personnel. Incorrect reassembly may result in a risk of electric shock or fire.
- **Avoid extreme conditions:** Do not charge batteries in extremely hot or cold environments. Optimal charging temperature is between 41°F (5°C) and 104°F (40°C).
- **Unplug when not in use:** Disconnect the charger from the power supply when not in use to prevent accidental activation or damage.

## 3. SETUP

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### 3.1 Unpacking

Carefully remove the charger from its packaging. Inspect the charger for any signs of damage during shipping. If any damage is observed, do not operate the charger and contact customer support.

### 3.2 Placement

Place the charger on a stable, flat, non-flammable surface in a well-ventilated area. Ensure the charging area is free from moisture and direct sunlight. Keep the charger away from heat sources and flammable materials.

### 3.3 Power Connection

Plug the charger's power cord into a standard 120V AC electrical outlet. The charger is now ready for use.

## 4. OPERATING INSTRUCTIONS

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### 4.1 Charging a Battery

1. Ensure the charger is plugged into a power outlet.
2. Align the grooves of the 24-volt IONMAX lithium-ion battery with the rails of the charger's single charging port.
3. Slide the battery into the charger until it clicks securely into place.
4. The charging indicator light on the charger will illuminate to show the charging status.
5. Once charging is complete, the indicator light will change (refer to Section 4.2). Remove the battery by pressing the release button and sliding it out.

**Note: This charger features a single charging port. If you have multiple batteries, they must be charged sequentially.**



Figure 2: Inserting a 24-volt IONMAX battery into the charger.

## 4.2 Charge Indicator Lights

The charger is equipped with a built-in battery indicator to track the charge level. Refer to the specific indicator light patterns on your charger for detailed status information. Typically:

- **Solid Red:** Charging in progress.
- **Solid Green:** Charging complete.
- **Flashing Red:** Error or battery temperature outside optimal range.

## 4.3 Charging Time

A fully depleted 24-volt IONMAX battery typically takes approximately 2.5 hours to fully charge. Actual charging time may vary based on the battery's remaining charge and ambient temperature.

## 4.4 Safety Features

The charger incorporates thermal, over-voltage, and over-current circuit protection to prevent battery damage, overheating, and electrical overloads during the charging process.

Video 1: Overview of the Snow Joe 24V Series Battery System, demonstrating various tools and battery integration.

## 5. MAINTENANCE

### 5.1 Cleaning

Before cleaning, always unplug the charger from the power outlet. Use a soft, dry cloth to wipe the exterior of the charger. Do not use water, solvents, or abrasive cleaners, as these can damage the unit.

## 5.2 Storage

When not in use, store the charger in a clean, dry, and well-ventilated area, away from direct sunlight and extreme temperatures. Do not store the charger with a battery inserted.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Charger indicator light does not illuminate.	No power to the charger; battery not inserted correctly.	Check power outlet and connections; re-insert battery firmly.
Battery not charging (flashing red light).	Battery too hot or too cold; battery fault.	Allow battery to reach room temperature; try another battery if available. If problem persists, contact customer support.
Slow charging.	Ambient temperature too low.	Move charger and battery to a warmer environment.

## 7. SPECIFICATIONS

- **Model:** 24VCHRG-QC
- **Input:** 120V AC, 60Hz
- **Output Voltage:** 24 Volts (peaks at 24V; nominal 21.6V under load)
- **Charging Time:** Approximately 2.5 hours for a fully depleted 24-volt IONMAX battery
- **Compatible Batteries:** All Snow Joe, Sun Joe, and Auto Joe IONMAX 24-volt lithium-ion battery models (e.g., 24VBAT-LTX, 24VBAT-LTW, 24VBAT-LTE, 24VBAT-LT, 24VBAT, 24VBAT-XR, 24VBAT-XR8, 24VBAT-XR12)
- **Product Dimensions:** 7.2"D x 5"W x 3"H
- **Item Weight:** 13.4 ounces
- **Color:** Black



Figure 3: Physical dimensions of the charger.

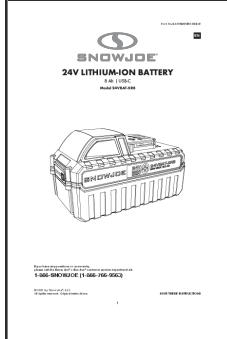
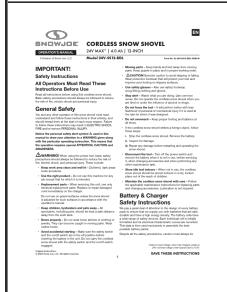
## 8. WARRANTY AND SUPPORT

This Snow Joe IONMAX Quick Charger is backed by the manufacturer's warranty. For specific warranty details, including coverage period and terms, please refer to the warranty card included with your product or visit the official Snow Joe website. For technical assistance, troubleshooting not covered in this manual, or to inquire about replacement parts, please contact Snow Joe customer support directly.

**Snow Joe Customer Support:** Refer to your product packaging or the official Snow Joe website for the most current contact information.

### Related Documents - 24VCHRG-QC

	<p><a href="#">Snow Joe 24V* IONMAX Cordless Snow Shovel Operator's Manual</a>          Operator's manual for the Snow Joe 24V* IONMAX 4.0 Ah 12-inch Cordless Snow Shovel, covering safety instructions, operation, maintenance, storage, technical data, and warranty information.</p>
	<p><a href="#">Snow Joe Sun Joe 24V-AJV-CT Cordless Inflator+Deflator Operator's Manual</a>          Comprehensive operator's manual for the Snow Joe Sun Joe 24V-AJV-CT Cordless Inflator+Deflator Tool Only. Covers essential safety warnings, operating instructions, battery and charger information, maintenance, troubleshooting, and warranty details.</p>

	<p><a href="#">Snow Joe 24V MAX* Cordless Snow Shovel Operator's Manual</a></p> <p>Operator's manual for the Snow Joe 24V MAX* Cordless Snow Shovel, 5.0 Ah, 11-inch model 24V-SS11-XR. Includes safety instructions, operation, maintenance, and battery/charger information.</p>
	<p><a href="#">Snow Joe 24V Lithium-Ion Battery 8 Ah   USB-C - Model 24VBAT-XR8 User Manual</a></p> <p>This document provides instructions and safety information for the Snow Joe 24V Lithium-Ion Battery, Model 24VBAT-XR8. Learn about its features, technical specifications, charging procedures, and warranty information.</p>
	<p><a href="#">Snow Joe 24V Max Cordless Snow Shovel Operator's Manual</a></p> <p>This operator's manual provides essential safety instructions, operating tips, and maintenance guidelines for the Snow Joe 24V Max 12-inch Cordless Snow Shovel (Model 24V-SS12-BDL).</p>
	<p><a href="#">Snow Joe 24V-X2-SB18 Cordless Snow Blower Operator's Manual</a></p> <p>Operator's manual and safety instructions for the Snow Joe 24V-X2-SB18 18-inch 48-Volt MAX Cordless Snow Blower with LED Light. Includes assembly, operation, maintenance, and safety guidelines.</p>