



## OPERATOR'S MANUAL

A Division of Snow Joe®, LLC

# CORDLESS JET BLOWER – CORE TOOL

100V MAX\* | 98-MPH MAX | 516-CFM MAX

Model iON100V-550JB-CT

Form No. SJ-ION100V-550JB-CT-880E-M

## IMPORTANT!

### Safety Instructions

### All Operators Must Read These Instructions Before Use

Any electrical appliance can be dangerous if used incorrectly. Some of the safety precautions given in this manual apply generally to many appliances. Other warnings are specific to the use of this cordless jet blower.

Always follow these safety guidelines. Failure to do so may result in serious bodily injury or death.

**⚠ DANGER!** This indicates a hazardous situation, which, if not followed, will result in serious injury or death.

**⚠ WARNING!** This indicates a hazardous situation, which, if not avoided, could result in serious injury or death.

**⚠ CAUTION!** This indicates a hazardous situation, which, if not avoided, could result in minor or moderate injury.

Improper use of the machine will invalidate the warranty, relieve the manufacturer from all liabilities. The user will consequently be liable for all and any damage or injury to himself/herself or others.

### General Safety

### FOR HOUSEHOLD USE ONLY

Before using, be sure that everyone using this tool reads and understands all safety instructions and other information contained in this manual. Save this manual and review it frequently prior to using this tool and when instructing others on the proper operating procedures.

**⚠ CAUTION!** Wear appropriate hearing protection during use. After long periods of extended use, the noise generated from this appliance may cause hearing loss if your ears are not properly protected.

**⚠ WARNING!** When using the power tool, basic safety precautions should always be followed to reduce the risk of fire, electric shock, and personal injury. These include:

1. **Keep work area clean and well-lit** – Cluttered, dark areas invite accidents.
2. **Replacement parts** – When servicing this unit, use only identical replacement parts.
3. **Keep children, bystanders, and pets away** – All spectators, including pets, should be kept a safe distance away from the work area.
4. **Dress properly** – Do not wear loose clothing or jewelry as such articles can get caught in moving parts. Wear a protective covering to contain long hair. Wearing rubber gloves and substantial non-slip footwear is recommended when working outdoors.
5. **Prevent unintentional starting** – Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the appliance. Carrying the appliance with your finger on the switch or energizing an appliance that has the switch on invites accidents.
6. **Disconnect battery pack before cleaning or servicing** – Disconnect the battery pack from the appliance before making any adjustments, changing accessories, or storing. Such preventive safety measures reduce the risk of starting the appliance accidentally.

**⚠ WARNING!** Do not modify or attempt to repair the appliance or the battery pack (as applicable) except as indicated in the instructions for use and care.

7. **Do not force the tool** – It will perform better with less likelihood of personal or mechanical injury if it is used at the rate for which it is designed.
8. **Wear personal protective equipment** – When using this tool, wear safety glasses with side shields or goggles to provide necessary eye protection. Wear ear defenders to prevent hearing damage. Use a face or dust mask if the work environment is dusty.
9. **Remove the battery** – Remove the battery when the tool is not in use, before servicing it, when changing accessories, and when performing any other maintenance task.
10. **Store idle tool indoors** – When not in use, the blower should be stored indoors in a dry and high or locked-up place out of the reach of children.
11. **Use the right tool** – Do not use the tool for any job except that for which it is intended.

- 12. Avoid dangerous environments** – Do not use the blower in rain, damp, or wet locations.
- 13. Stay alert** – Watch what you are doing. Use common sense. Do not operate the blower when you are tired or under the influence of drugs, alcohol, or other medication.

## Additional Safety Instructions

- Do not use the blower in the rain or in a damp area.
- Use extra care when cleaning on stairs or steps.
- Keep firm footing and maintain good balance at all times. Do not overreach. Overreaching can result in loss of balance.
- Turn off all controls before removing the battery.
- Do not use the tool if the power switch does not turn it ON or OFF. Any tool that cannot be controlled with the switch is dangerous and must be repaired.
- Carefully inspect your appliance prior to use and follow all label and marking instructions.
- Keep all parts of your body away from any moving parts and all hot surfaces of the unit.
- Do not put any object into the tool's openings. Do not use the tool with any opening blocked; keep openings free of dust, lint, hair, or any other object that may reduce air flow.
- Check the work area before each use. Remove all objects such as rocks, broken glass, nails, wire, or string, which can be thrown or become entangled in the machine.
- Service on the product must be performed by qualified repair personnel only. Service or maintenance performed by unqualified personnel could result in injury to the user or damage to the product.
- This blower is intended for residential use only. Commercial use of this product is prohibited and will void the manufacturer's warranty.
- Never run the unit without the proper equipment attached. Always ensure the blower tube is properly installed.
- Always grasp the handle when operating the unit, only operate the machine in its intended orientation.

## Specific Safety Rules For Jet Blower

- The jet blower has been designed to clear light debris and leaves from hard surfaces – not for clearing grassed areas.
- When operating the unit, never point the jet blower nozzle in the direction of people or pets or in the direction of windows. Use extra caution when blowing debris near solid objects, such as trees, automobiles, and walls.
- Be sure to secure the unit when transporting it.
- Never douse or squirt the unit with water or any other liquid. Clean the unit after each use as described in the cleaning and storage section.


## Battery + Charger Safety Instructions


**NOTE:** The battery and the charger are not included and must be purchased separately. The iON100V-550JB-CT is compatible with the following batteries (models iON100V-2.5AMP and iON100V-5AMP) and charger (model iON100V-RCH). See page 14 for more information.

We pay a great deal of attention to the design of every battery pack to ensure that we supply you with batteries that are safe, durable and have a high energy density. The battery cells have a wide range of safety devices. Each individual cell is initially formatted and its electrical characteristic curves are recorded. This data is then used exclusively to be able to assemble the best possible battery packs.

Despite all the safety precautions, caution must always be exercised when handling batteries. The following points must be obeyed at all times to ensure safe use. Safe use can only be guaranteed if undamaged cells are used. Incorrect handling of the battery pack can cause cell damage.

**IMPORTANT!** Analyses confirm that incorrect use and poor care of high-performance batteries are the main factors responsible for personal and/or product damage.

 **WARNING!** Use only approved replacement batteries; other batteries may damage the jet blower and cause it to malfunction, which can lead to serious personal injury.

 **CAUTION!** To reduce the risk of injury, charge the iON100V-2.5AMP battery pack or the iON100V-5AMP battery pack only in their compatible charger (model iON100V-RCH). Other types of chargers present risk of fire, personal injury, and damage. Do not wire a battery pack to a power supply plug or car cigarette lighter. Such misuse will permanently disable or damage the battery pack.


- **Avoid dangerous environments** – Do not charge the battery pack in rain, snow or in damp or wet locations. Do not use the battery pack or charger in the presence of explosive atmospheres (gaseous fumes, dust or flammable materials) because sparks may be generated when inserting or removing the battery pack, which could lead to a fire.
- **Charge in a well-ventilated area** – Do not block the charger vents. Keep them clear to allow for proper ventilation. Do not allow smoking or open flames near a charging battery pack. Vented gases may explode.

**NOTE:** The safe temperature range for the battery is -4°F (-20°C) to 113°F (45°C). Do not charge the battery outside in freezing weather; charge it at room temperature.

- **Maintain charger cord** – When unplugging the charger, pull the plug, not the cord, from the receptacle to reduce the risk of damage to the electrical plug and cord. Never carry the charger by its cord or yank it by the cord to disconnect it from the receptacle. Keep the cord away from heat, oil and sharp edges. Make sure the cord will not be stepped

on, tripped over or subjected to damage or stress when the charger is in use. Do not use the charger with a damaged cord or plug. Replace a damaged charger immediately.

- **Do not use an extension cord unless it is absolutely necessary** – Using the wrong, damaged or improperly wired extension cord poses a risk of fire and electric shock. If an extension cord must be used, plug the charger into a properly wired 18 gauge or larger extension cord with the female plug matching the male plug on the charger. Make sure that the extension cord is in good electrical condition.
- **Charger iON100V-RCH is rated for 100 – 120 volt AC only** – The charger must be plugged into an appropriate receptacle.
- **Use only recommended attachments** – Use of an attachment not recommended or sold by the battery charger or battery pack manufacturer may result in risk of fire, electric shock or personal injury.
- **Unplug charger when not in use** – Make sure to remove battery pack from unplugged chargers.

 **WARNING!** To reduce the risk of electric shock, always unplug the charger before performing any cleaning or maintenance. Do not allow water to flow into the charger. Use a Ground Fault Circuit Interrupter (GFCI) to reduce shock hazards.

- **Do not burn or incinerate battery packs** – Battery packs may explode, causing personal injury or damage. Toxic fumes and materials are created when battery packs are burned.
- **Do not crush, drop or damage battery packs** – Do not use the battery pack or charger if they have sustained a sharp blow, been dropped, run over or have been damaged in any way (i.e. pierced with a nail, hit with a hammer, stepped on, etc.).
- **Do not disassemble** – Incorrect reassembly may pose a serious risk of electric shock, fire or exposure to toxic battery chemicals. If the battery or charger are damaged, please contact an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).
- **Battery chemicals cause serious burns** – Never let a damaged battery pack contact the skin, eyes or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to safely dispose of it. If skin is exposed to battery fluids, wash the affected area with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.
- **Do not short circuit** – A battery pack will short circuit if a metal object makes a connection between the positive and negative contacts on the battery pack. Do not place a battery pack near anything that may cause a short circuit, such as paper clips, coins, keys, screws, nails and other metallic objects. A short-circuited battery pack poses a risk of fire and severe personal injury.

- **Store your battery pack and charger in a cool, dry place** – Do not store the battery pack or charger where temperatures may exceed 104°F (40°C), such as in direct sunlight or inside a vehicle or metal building during the summer.

## Protection from environmental influences

1. Wear suitable work clothes. Wear safety goggles.
2. Protect your cordless tool and the battery charger from moisture and rain. Moisture and rain can cause dangerous cell damage.
3. Do not use the cordless tool or the battery charger near vapors and flammable liquids.
4. Use the battery charger and cordless tools only in dry conditions and at an ambient temperature of 50-104°F (10-40°C).
5. Do not keep the battery charger in places where the temperature is liable to reach over 104°F (40°C). In particular, do not leave the battery charger in a car that is parked in the sunshine.
6. Protect batteries from overheating. Overloads, overcharging and exposure to direct sunlight will result in overheating and cell damage. Never charge or work with batteries that have been overheated – replace them immediately, if possible.
7. Store the charger and your cordless tool only in dry locations with an ambient temperature of 50-104°F (10-40°C). Store your lithium-ion battery pack in a cool, dry place at a temperature of 50-68°F (10-20°C). Protect the battery pack, charger and cordless tool from humidity and direct sunlight. Only place fully charged batteries in storage (charged to at least 40%).
8. Prevent the lithium-ion battery pack from freezing. Battery packs that were stored below 32°F (0°C) for more than 60 minutes must be discarded.
9. When handling batteries, be wary of electrostatic charge. Electrostatic discharges can damage the electronic protection system and the battery cells. Avoid electrostatic charging and never touch the battery poles.

## Information about the battery










1. The battery packs (model iON100V-2.5AMP or iON100V-5AMP) must be purchased separately for use with this cordless jet blower are only partially charged. The battery packs have to be charged completely before you use the tool for the first time.
2. For optimum battery performance, avoid low discharge cycles by charging the battery packs frequently.
3. Store the battery packs in a cool place, ideally at 59°F (15°C) and charged to at least 40%.
4. Lithium-ion batteries are subject to a natural aging process. The battery packs must be replaced at the latest when its capacity falls to just 80% of its capacity when new. Weakened cells in aged battery packs are no longer capable of meeting the high power requirements needed for the proper operation of your cordless jet blower, and therefore pose a safety risk.
5. Do not throw battery packs into an open fire as this poses a risk of explosion.
6. Do not ignite the battery packs or expose them to fire.
7. Do not exhaustively discharge batteries. Exhaustive discharge will damage the battery cells. The most common cause of exhaustive discharge is lengthy storage or non-use of partially discharged batteries. Stop working as soon as the performance of the batteries falls noticeably or the electronic protection system triggers. Place the battery packs in long-term storage only after they have been fully charged.
8. Protect batteries and the tool from overloads. Overloads will quickly result in overheating and cell damage inside the battery housing even if this overheating is not apparent externally.
9. Avoid damage and shocks. Immediately replace batteries that have been dropped from a height of more than one meter or those that have been exposed to violent shocks, even if the housing of the battery pack appears to be undamaged. The battery cells inside the battery may have suffered serious damage. In such instances, please read the waste disposal information for proper battery disposal.
10. If the battery pack suffers overloading and overheating, the integrated protective cutoff will switch off the equipment for safety reasons. If this situation happens, stop the tool and let the battery cool down for a few minutes before restarting.
11. Use only original battery packs. The use of other batteries poses a fire risk and may result in injuries or an explosion.

## Information about the charger and the charging process

1. Please check the data marked on the rating plate of the battery charger (sold separately). Be sure to connect the battery charger to a power supply with the voltage marked on the rating plate. Never connect it to a different mains voltage.
2. Protect the battery charger and its cord from damage. Keep the charger and its cord away from heat, oil and sharp edges. Have damaged cords repaired without delay by a qualified technician at an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).
3. Electrical plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with grounded appliances. Unmodified plugs and matching outlets will reduce the risk of electric shock.
4. Keep the battery charger, battery pack and the cordless tool out of the reach of children.
5. Do not use the battery charger to charge other cordless tools.
6. During periods of heavy use, the battery pack will become warm. Allow the battery pack to cool to room temperature before inserting it into the charger to recharge.
7. Do not overcharge batteries. Do not exceed the maximum charging times. These charging times only apply to discharged batteries. Frequent insertion of a charged or partially charged battery pack will result in overcharging and cell damage. Do not leave batteries in the charger for days on end.
8. Never use or charge batteries if you suspect that it has been more than 12 months since the last time they were charged. There is a high probability that the battery pack has already suffered dangerous damage (exhaustive discharge).
9. Charging batteries at a temperature below 50°F (10°C) will cause chemical damage to the cells and may cause a fire.
10. Do not use batteries that have been exposed to heat during the charging process, as the battery cells may have suffered dangerous damage.
11. Do not use batteries that have suffered curvature or deformation during the charging process or those that exhibit other atypical symptoms (gassing, hissing, cracking, etc.)
12. Never fully discharge the battery pack (maximum recommended depth of discharge is 80%). A complete discharge of the battery pack will lead to premature aging of the battery cells.

# Safety Symbols

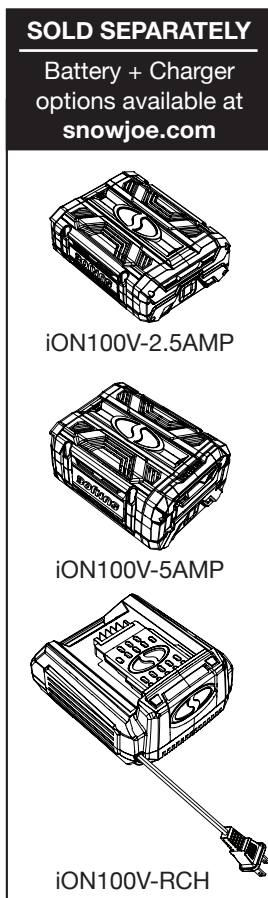
The following table depicts and describes safety symbols that may appear on this product. Read, understand and follow all instructions on the machine before attempting to assemble and operate.

Symbols	Descriptions	Symbols	Descriptions
	<b>READ THE OPERATOR'S MANUAL(S)</b> – Read, understand, and follow all instructions in the user manual(s) before attempting to assemble and operate.		Keep bystanders and children a safe distance away.
	<b>SAFETY ALERT</b> – Indicates a precaution, a warning, or a danger.		<b>WARNING!</b> Do not expose the unit to rain or wet conditions.
	Beware of flying objects and debris.		Wear hearing protection. Wear eye protection. Wear breathing protection.
	<b>DANGER!</b> Rotating blades pose a serious risk of injury. Keep hands and feet away from openings while the machine is running.		The rotating part will continuously run for several seconds after you turn off the machine.
	Indoor use only. Only use battery charger indoors.		

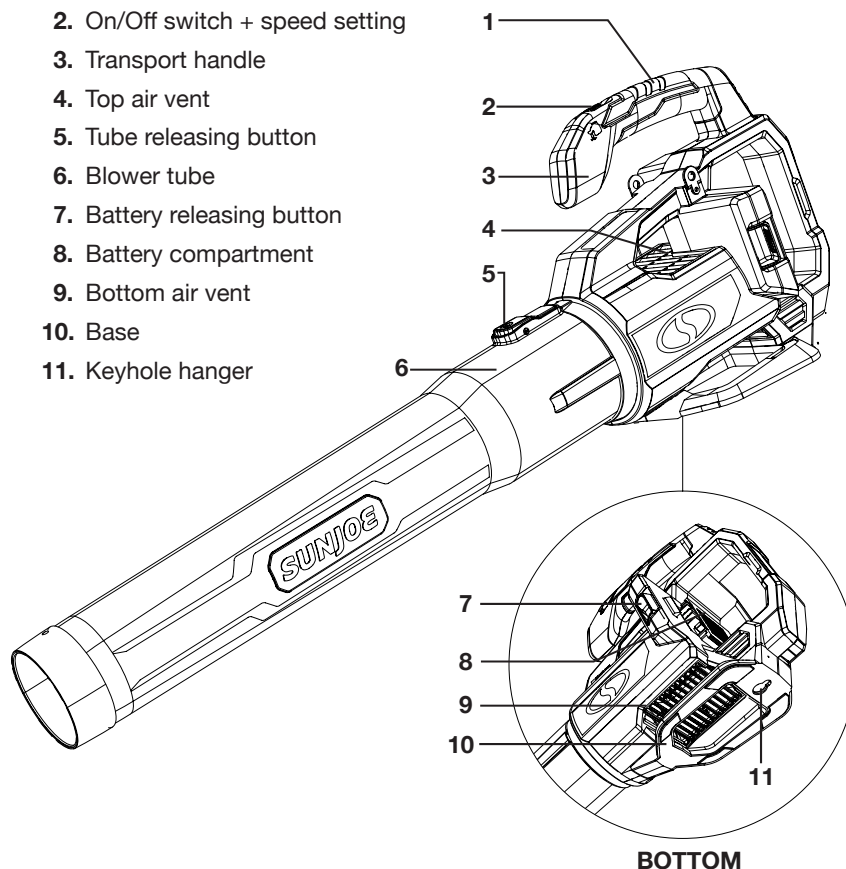


# Know Your Cordless Jet Blower

Read the owner's manual and safety instructions carefully before operating the cordless jet blower. Compare the illustration below to the cordless jet blower in order to familiarize yourself with the location of the various controls and adjustments. Save this manual for future reference.



1. Soft grip
2. On/Off switch + speed setting
3. Transport handle
4. Top air vent
5. Tube releasing button
6. Blower tube
7. Battery releasing button
8. Battery compartment
9. Bottom air vent
10. Base
11. Keyhole hanger



## Technical Data

Battery Voltage Max*	100 V D.C.
Battery Capacity	2.5 Ah   5.0 Ah
Battery Runtime Max	100 min (iON100V-2.5AMP) 200 min (iON100V-5AMP)
Charger Input	100 – 120 V AC, 50 – 60 Hz, 500 W
Charger Output	100 V DC 4 A
Charge Time Max	50 min (iON100V-2.5AMP) 100 min (iON100V-5AMP)

Motor	500 W
Air Speed Max	98 MPH (158 km/h) (Turbo setting)
Air Flow Max	516 CFM
Speed Settings	47 MPH to 80 MPH (76 km/h to 129 km/h) variable speed
Weight (jet blower alone)	6.2 lbs (2.8 kg)
Weight (jet blower + iON100V-2.5AMP)	10.2 lbs (4.6 kg)
Weight (jet blower + iON100V-5AMP)	13.1 lbs (5.9 kg)

\*Initial no-load voltage, when fully charged, peaks at 100 volts; nominal voltage under typical load is 86.4 volts.

# Unpacking

## Carton Contents

- Cordless jet blower
- Manuals with registration card

CORE TOOL

BATTERY + CHARGER SOLD SEPARATELY

In order to operate this jet blower, you will need to additionally purchase either the iON100V-2.5AMP or iON100V-5AMP lithium-ion battery and the 100 V quick charger (model iON100V-RCH). Battery and charger options available at [snowjoe.com](http://snowjoe.com).

1. Carefully remove the cordless jet blower and check to see that all of the above items are supplied.
2. Inspect the product carefully to make sure no breakage or damage occurred during shipping. If you find damaged or missing parts, DO NOT return the unit to the store. Please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

**NOTE:** Do not discard the shipping carton and packaging material until you are ready to use the cordless jet blower. The packaging is made of recyclable materials. Properly dispose of these materials in accordance with local regulations.

**IMPORTANT!** The equipment and packaging material are not toys. Do not let children play with plastic bags, foils or small parts. These items can be swallowed and pose a suffocation risk!

## Battery Pack Operation

The equipment is powered by a lithium-ion battery (sold separately). The battery pack is completely closed and maintenance free.

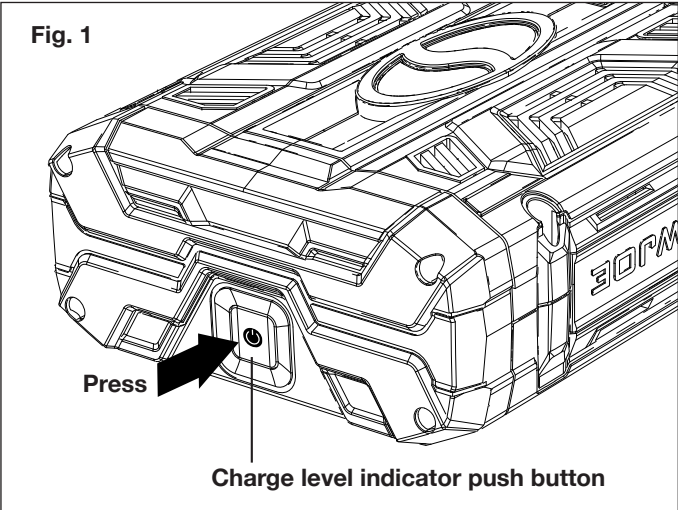
CORE TOOL

BATTERY + CHARGER SOLD SEPARATELY

In order to operate this jet blower, you will need to additionally purchase either the iON100V-2.5AMP or iON100V-5AMP lithium-ion battery and the 100 V quick charger (model iON100V-RCH). Battery and charger options available at [snowjoe.com](http://snowjoe.com).

## Battery Charge Level Indicator

The battery pack is equipped with a push button for checking the charge level. Simply press the push button to read off the battery charge level from the LEDs of the battery indicator (Fig. 1).



- All 4 level monitoring LEDs are lit: Battery charge level is high.
- 3 level monitoring LEDs are lit: Battery charge level is decreasing.
- 2 level monitoring LEDs are lit: Battery charge level is decreasing. Stop work as soon as possible.
- 1 level monitoring LED is lit: Battery is flat. Stop work IMMEDIATELY and charge the battery. Otherwise the battery's service life will be greatly shortened.

Lights	Light Indicators
	The battery is at 20% capacity and requires charging
	The battery is at 50% capacity and requires charging soon
	The battery is at 70% capacity
	The battery is at full capacity

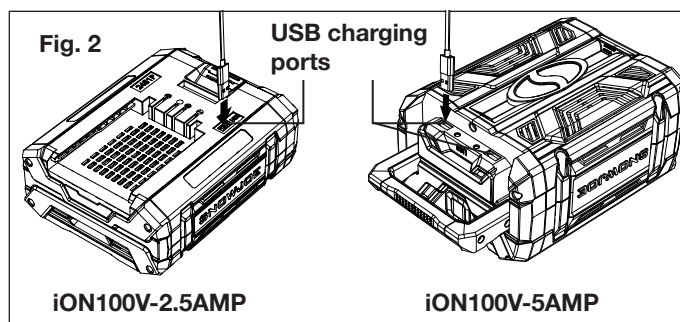
**NOTE:** If the charge level button does not appear to be working, place the battery pack on the charger and charge as needed.

Immediately after using the battery pack, the charge level button may display a lower charge than it will if checked a few minutes later. The battery cells “recover” some of their charge after resting.

## USB Charging Port

iON100V series batteries are equipped with a USB port (or ports, depending on your model) which can provide 5 V power for most popular smartphones, tablets, wearables and other USB devices.

To charge with the battery, connect the USB cable that came with your device to the USB port (or ports) on your iON100V series battery and to your device. The charging process will start immediately (Fig. 2).



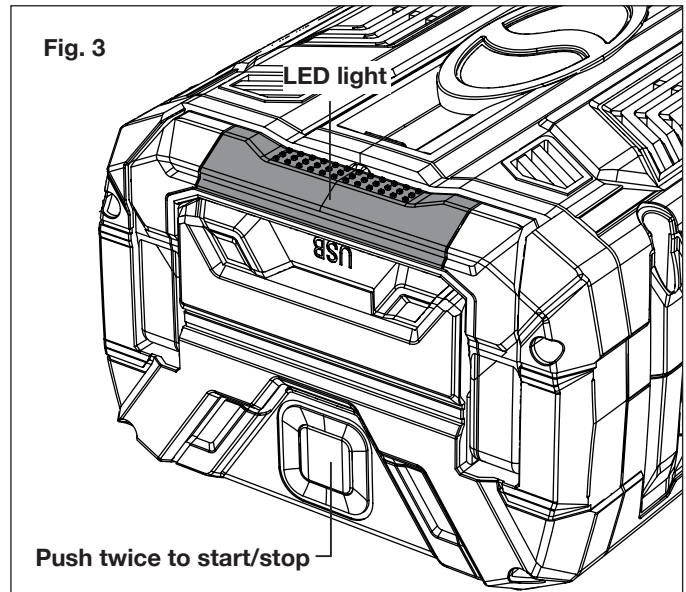
**NOTE:** If you experience any issues with charging your particular device, ensure that the iON100V battery is fully charged.

**⚠ WARNING!** Make sure the battery’s USB port(s) is not contaminated with lint or other debris. Use a canned-air type of product periodically to ensure that the port openings are clear.

## LED light (iON100V-5AMP batteries only – sold separately)

The iON100V-5AMP battery is equipped with a 0.35 watt LED light located on the handle, which is good for camping and emergency illumination. To turn on the LED light, open the carry handle, and press the battery push button twice in a row. To turn off the LED light, press the battery push button twice again (Fig. 3).

**NOTE:** This function only comes with iON100V-5AMP battery. iON100V-2.5AMP battery is not equipped with the handle or the LED light.



## Charger Operation

### CORE TOOL BATTERY + CHARGER SOLD SEPARATELY

In order to operate this chain saw, you will need to additionally purchase either the iON100V-2.5AMP or iON100V-5AMP lithium-ion battery and the 100 V quick charger (model iON100V-RCH). Battery and charger options available at [snowjoe.com](http://snowjoe.com).

**⚠ WARNING!** Charge only the iON100V-2.5AMP or the iON100V-5AMP lithium-ion battery packs in compatible iON100V-RCH battery charger. Other types of batteries may cause personal injury and damage.

To reduce the risk of electric shock, do not allow water to flow into the charger's AC/DC plug.

## When to Charge the iON100V Lithium-ion Batteries

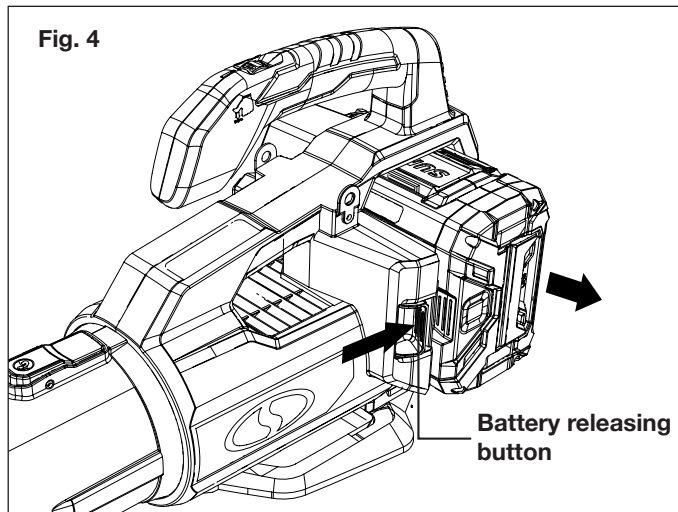
**NOTE:** The iON100V-2.5AMP and iON100V-5AMP lithium-ion battery packs do not develop a "memory" when charged after only a partial discharge. Therefore, it is not necessary to run down the battery pack before placing it into the charger.

- Use the battery charge indicator lights to determine when to charge your iON100V-2.5AMP or iON100V-5AMP lithium-ion battery pack.
- You can "top-off" your battery pack's charge before starting a big job or after a long day of use.

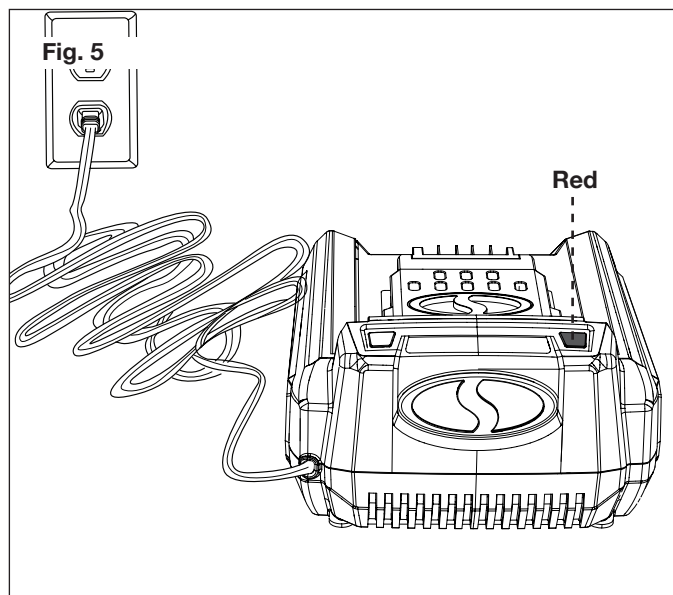


## Charging the Battery

1. Push the battery releasing button on the blower to release the battery pack. Pull the battery out of the equipment. (Fig. 4).

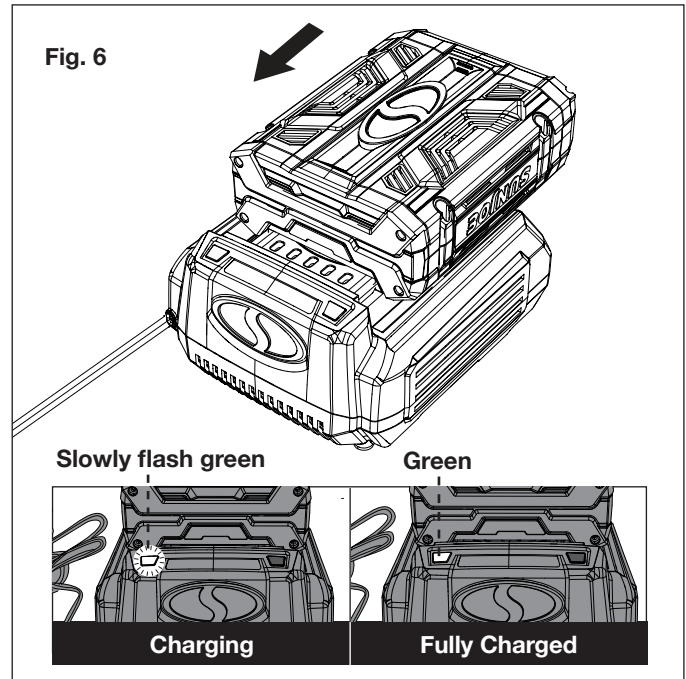


2. Check that the mains voltage is the same as that marked on the rating plate of the battery charger. Then, insert the charger's plug into the electrical wall outlet. When you plug in the charger, the red light will illuminate steadily (Fig. 5).

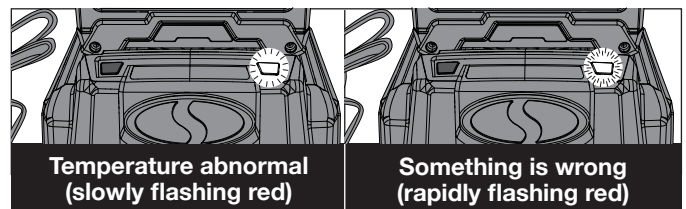


**⚠ CAUTION!** Charger iON100V-RCH is rated for 100 – 120 volt AC only. DO NOT plug the charger into any outlet that will provide power with a higher voltage. Over voltage charging will be harmful to both the battery and charger, and may cause the charger to burn out.

3. Place the battery pack into the charger by sliding the pack as shown until it clicks into the position. When the battery is inserted in properly, the green light will slowly flash to indicate that the battery is charging. The red light will turn off. You will also hear a fan sound (Fig. 6).
4. When the green light stays on, the battery is fully charged (Fig. 6).

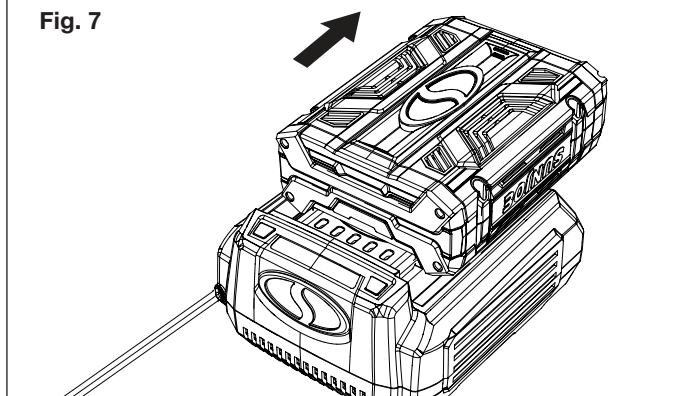


**NOTE:** If the green light is off while the red light flashes slowly, this indicates a temperature abnormality (i.e. that the battery pack is too hot). If the green light is off while the red light flashes rapidly, this indicates there's something wrong with the charger or the battery. Wait for a while and try to reinsert the battery into the charger. If the situation still persists, contact Snow Joe® + Sun Joe® customer service at 1-866-SNOWJOE (1-866-766-9563).



5. A fully discharged iON100V-2.5AMP battery pack with an internal temperature in the normal range will fully charge in 50 minutes (between 32°F/0°C and 113°F/45°C). A fully discharged iON100V-5AMP battery pack with an internal temperature in the normal range will fully charge in 100 minutes (between 32°F/0°C and 113°F/45°C). Heavily cycled battery packs may take longer to charge completely.
6. When charging is complete, remove the battery from the charger by pulling the battery backward to unlock it from the charger (Fig. 7).

Fig. 7



7. Timely recharging of the battery will help prolong the battery's life. You must recharge the battery pack when you notice a drop in the equipment's power.

**IMPORTANT!** Never allow the battery pack to become fully discharged as this will cause irreversible damage to the battery.

## Charger Light Indicator Table

Consult to the table for meanings and possible solutions for the charger indication light. If there's anything not indicated in the table or you are not sure about the cause and cannot fix the charger, contact the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

Indication	Possible Cause (Solution)
<ul style="list-style-type: none"> <li>• Red Light – Steady</li> <li>• Green Light – Off</li> </ul>	<ul style="list-style-type: none"> <li>• <b>No load charging</b> – There's no battery inserted in the charger.</li> </ul>
<ul style="list-style-type: none"> <li>• Red Light – Off</li> <li>• Green Light – Slowly flashes</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Normal charging</b> – The battery is being charged.</li> </ul>
<ul style="list-style-type: none"> <li>• Red Light – Off</li> <li>• Green Light – Steady</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Fully charged</b> – The battery is fully charged and the charging process is finished.</li> </ul>
<ul style="list-style-type: none"> <li>• Red Light – Off</li> <li>• Green Light – Rapidly flashes</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Discharged</b> – The battery is heavily discharged. It may take longer time for charging.</li> </ul>
<ul style="list-style-type: none"> <li>• Red Light – Slowly flashes</li> <li>• Green Light – Off</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Temperature abnormal</b> – Charging process will start when battery returns to normal temperature.</li> </ul>
<ul style="list-style-type: none"> <li>• Red Light – Rapidly flashes</li> <li>• Green Light – Off</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Over current charging</b> – The current coming through the charger is greater than what the charger can support. Stop charging as soon as possible.</li> <li>• <b>Abnormal performance</b> – Something is wrong with the battery or the charger. Contact Snow Joe® + Sun Joe® customer service at 1-866-SNOWJOE (1-866-766-9563).</li> </ul>

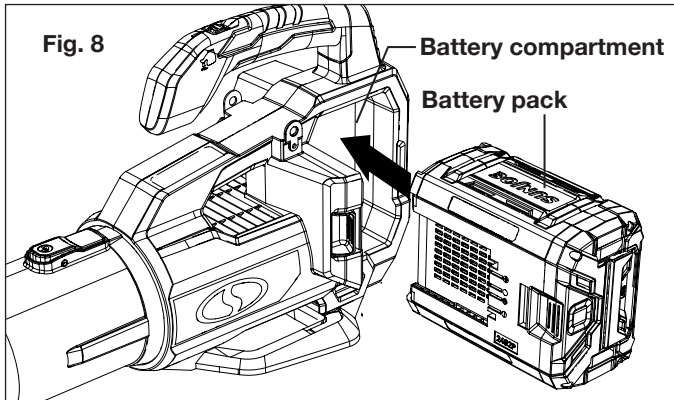
## Operation

### Starting + Stopping

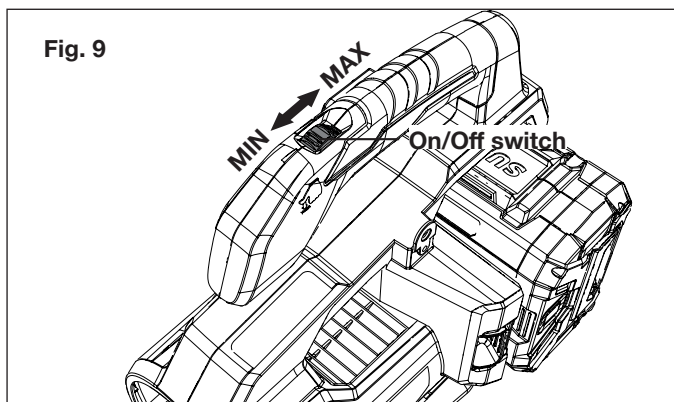
**⚠ CAUTION!** Starting, stopping, and restarting an DC motor repeatedly within a few seconds can generate a great deal of heat and damage the motor. To protect the life of your cordless jet blower, always wait at least five seconds after stopping before restarting the jet blower.

1. Make sure the ON/OFF switch is in the MIN position. Insert the battery in the battery compartment and make sure it locks into position (Fig. 8).

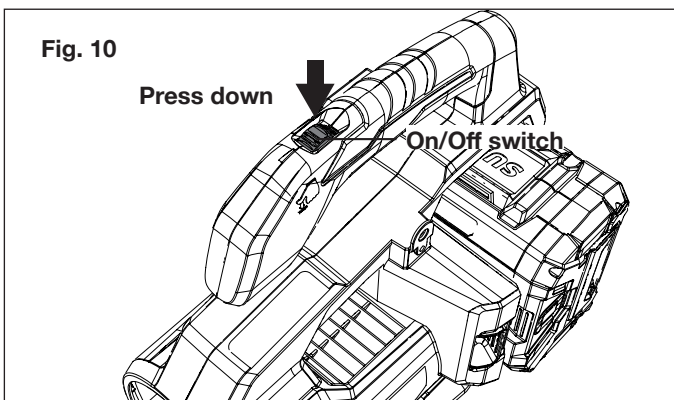
**NOTE:** To protect the jet blower's circuit, the unit is equipped with self-lock function, which will prevent the unit from starting if the blower is not turned off when the battery is inserted in. When the self-lock function is on, turn off the unit completely and try to insert the battery again before restarting.



2. To start the cordless jet blower, slide the ON/OFF switch forward until it reaches your desired speed (Fig. 9).
3. This unit is equipped with variable speed settings. Position "MAX" is the maximum setting blow up to 80 MPH (Fig. 9).



4. To use the cordless jet blower in **turbo speed**, keep the On/Off switch pressed down. To stop the turbo speed, release the On/Off switch and the wind will return to the original speed (Fig. 10).



5. To turn the tool off, slide the ON/OFF switch backward to "MIN" until it clicks and stops.

## Operating Tips

**⚠ WARNING!** Use the cordless jet blower only in daylight or good artificial light.

- When using the cordless jet blower, plant your feet firmly on the ground and place your dominant hand on the unit handle to control the unit. Use your other hand to steady the unit as needed.
- Wear personal protective equipment during your work session. This includes boots, safety glasses/goggles, ear defenders, long pants and a long-sleeve shirt.
- Make sure the jet blower tube nozzle is not directed at anybody or any loose debris before starting the unit.
- Verify that the unit is in good working condition. Make sure the tube is in place and secured.
- Keep a firm grip on the unit handle while in use.
- To reduce the risk of hearing loss associated with increased sound levels, hearing protection is required.
- Operate power equipment only at reasonable hours—not early in the morning or late at night when people might be disturbed. Comply with times listed in local ordinances. Usual recommendations are 9:00 am to 5:00 pm, Monday through Saturday.
- To reduce noise levels, limit the number of pieces of power equipment used at any one time and operate power blowers at the lowest possible speed setting necessary to do the job.
- Use rakes and brooms to loosen debris before blowing.
- In dusty conditions, slightly dampen surfaces.
- Conserve water by using power blowers instead of hoses for many lawn and garden applications, including areas such as gutters, screens, patios, grills, porches and gardens.
- Blow debris into a safe, open area away from children, pets, open windows or freshly washed cars.
- Clean up after using leaf blowers and other lawn equipment. Dispose of debris appropriately.

**⚠ WARNING!** To avoid serious personal injury, wear ear defenders, goggles or safety glasses at all times when operating this unit. Wear a face mask or dust mask in dusty locations.

**⚠ WARNING!** To prevent serious personal injury or damage to the unit, make sure the blower tube is in place before operating the unit.

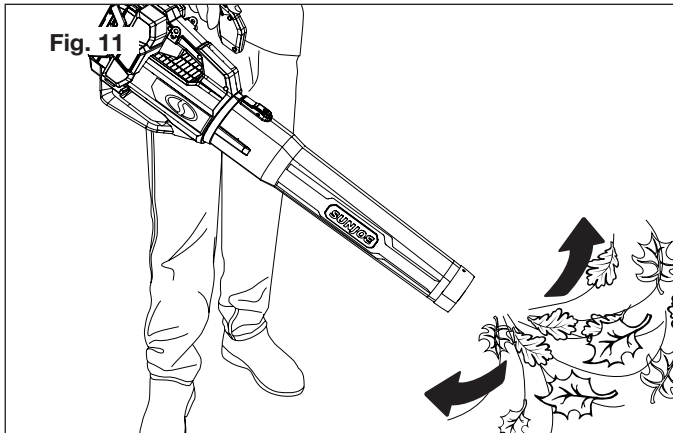
## Air Vents

Never cover air vents. Keep them free from obstructions and debris. They must always remain clear for proper motor cooling.

**⚠ WARNING!** To avoid serious personal injury, do not wear loose fitting clothing or articles such as scarves, strings, chains, ties, etc., that could get drawn into the air vents. To make sure long hair does not get drawn into the air vents, tie back long hair.

## Blowing Operation

- Hold the jet blower firmly with your dominant hand on the unit handle. Sweep from side to side with the nozzle several inches above the ground or floor (Fig. 11).



- Slowly advance the unit, keeping the accumulated pile of debris in front of you. Most dry blowing operations are better suited to low speeds rather than high speeds. High speed blowing is best for moving heavier items like large debris or gravel.

## Maintenance

**⚠ WARNING!** Always wear protective gloves during maintenance operations. Do not carry out maintenance when the engine is running or hot.

**⚠ WARNING!** Use only original manufacturer's replacement parts, accessories and attachments. Failure to do so can cause possible injury and poor performance.

To order genuine replacement parts or accessories for the Sun Joe® iON100V-550JB-CT cordless jet blower, please visit [snowjoe.com](http://snowjoe.com) or contact the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

**⚠ WARNING!** Remove the battery before performing any maintenance task.

If the battery is connected with the unit, someone could accidentally turn on the unit while you are inspecting it, which could result in serious personal injury.

1. Store the tool, instruction manual and accessories in a secure, dry place. In this way, you will always have the information ready at hand.
2. Keep the tool's air vents unclogged and clean at all times.

3. Remove dust and dirt regularly. Cleaning is best done with a rag or brush.

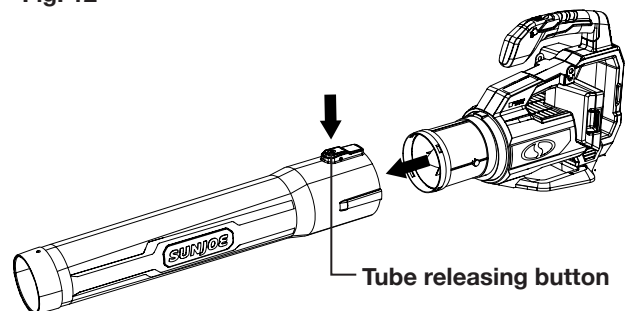
4. Never use caustic agents to clean plastic parts.

**⚠ WARNING!** Do not use cleaning agents to clean the plastic parts of the tool. A mild detergent on a damp cloth is recommended. Water must never come into contact with the tool.

## Storage

1. Examine the cordless jet blower thoroughly for worn, loose, or damaged parts. Should you need to repair or replace a part, contact an authorized Snow Joe® + Sun Joe® dealer or call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563) for assistance.
2. Remove the battery from the cordless jet blower before storing.
3. If needed, the jet blower tube can be removed for small storage space. To remove the blower tube, make sure the unit completely stops and the battery is removed, press the tube release button and pull out the blower tube (Fig. 12).

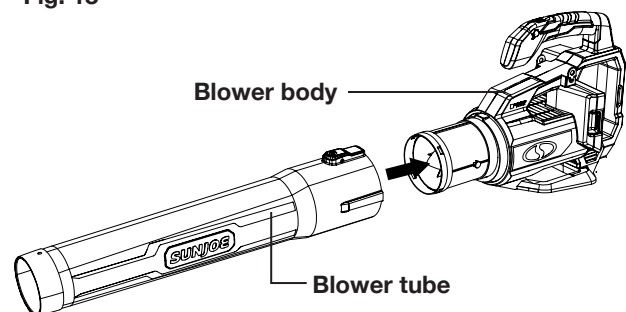
Fig. 12



4. Store the jet blower in a dry, well-ventilated place that is inaccessible to children. Keep away from corrosive agents.

**⚠ CAUTION!** Before using the blower again, make sure the blower tube is fully attached on the blower. Slide the blower tube onto the jet blower body until it clicks into the position (Fig. 13).

Fig. 13



**⚠️WARNING!** To prevent serious personal injury, make sure the unit is switched off, the battery is removed and the unit has come to a complete stop before attaching or removing tubes.

**⚠️CAUTION!** Do not install the battery before fully assembling the unit.

## Battery Caution + Disposal

Always dispose of your battery pack according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations.

**⚠️CAUTION!** Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

**⚠️WARNING!** To reduce the risk of injury or explosion, never burn or incinerate a battery pack even if it is damaged, dead, or completely discharged. When burned, toxic fumes and materials are emitted into the surrounding atmosphere.

1. Batteries vary according to device. Consult your manual for specific information.
2. Install only new batteries of the same type in your product (where applicable).
3. Failure to insert batteries in the correct polarity, as indicated in the battery compartment or manual, may shorten the life of the batteries or cause batteries to leak.
4. Do not mix old and new batteries.
5. Do not mix Alkaline, Standard (Carbon-Zinc), or Rechargeable (Nickel Cadmium, Nickel Metal Hydride, or Lithium-Ion) batteries.
6. Do not dispose of batteries in fire.
7. Batteries should be recycled or disposed of as per state and local guidelines.

## Service + Support

If your Sun Joe® iON100V-550JB-CT cordless jet blower requires service or maintenance, please call the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).

## Model + Serial Numbers

When contacting the company, reordering parts, or arranging service from an authorized dealer, you will need to provide the model and serial numbers, which can be found on the decal located on the housing of the unit. Copy these numbers into the space provided below.

Record the following numbers from the housing or handle of your new product:

Model #:

i O N 1 0 0 V - 5 5 0 J B - C T

Serial #:



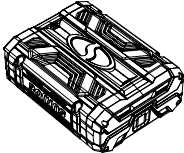

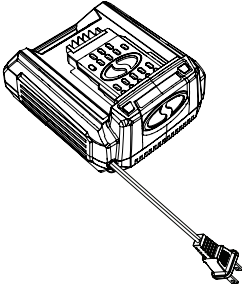
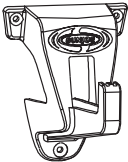
# Troubleshooting

**⚠️ WARNING!** Always turn the tool OFF and remove the battery before performing any adjustments, maintenance, or repairs to your cordless jet blower.

Problem	Possible Cause	Solution
Unit will not start	<ol style="list-style-type: none"> <li>1. Battery loose/not properly secured.</li> <li>2. Battery is flat.</li> <li>3. The self-lock function is active.</li> </ol>	<ol style="list-style-type: none"> <li>1. Insert the battery until it clicks and lock into position</li> <li>2. Charge the battery.</li> <li>3. Shut off the unit and remove the battery. Reinsert the battery and try to start the unit again.</li> </ol>

# Optional Accessories

**⚠️ WARNING!** ALWAYS use only authorized Snow Joe® + Sun Joe® replacement parts and accessories. NEVER use replacement parts or accessories that are not intended for use with this cordless jet blower. Contact Snow Joe® + Sun Joe® if you are unsure whether it is safe to use a particular replacement part or accessory with your cordless jet blower. The use of any other attachment or accessory can be dangerous and could cause injury or mechanical damage.

Accessories	Item	Model
<b>①</b> 	100 V 2.5 Ah Lithium-Ion Battery <i>Battery Charge Time Max: 50 min</i> <i>Battery Runtime Max: 100 min</i>	iON100V-2.5AMP
<b>②</b> 	100 V 5 Ah Lithium-Ion Battery <i>Battery Charge Time Max: 100 min</i> <i>Battery Runtime Max: 200 min</i>	iON100V-5AMP
<b>③</b> 	100 V Battery Quick Charger	iON100V-RCH
<b>④</b> 	Universal wall bracket with mounting hardware	SJWB (Fits most Snow Joe® + Sun Joe® tools)

**NOTE:** Accessories are subject to change without any obligation on the part of Snow Joe® + Sun Joe® to provide notice of such changes. Accessories can be ordered online at [snowjoe.com](http://snowjoe.com) or via phone by contacting the Snow Joe® + Sun Joe® customer service center at 1-866-SNOWJOE (1-866-766-9563).



## SNOW JOE® + SUN JOE® CUSTOMER PROMISE

**ABOVE ALL ELSE,** Snow Joe® + Sun Joe® are dedicated to you, our customer. We strive to make your experience as pleasant as possible. Unfortunately, there are times when a product does not work or breaks under normal operating conditions. We think it's important that you know what you can expect from us. That's why we created the Snow Joe® + Sun Joe® promise.

**OUR PROMISE:** Snow Joe® + Sun Joe® warrant new products for two years from the date of purchase. If your product does not work, or there's an issue with a specific part, we will fix this by either sending you a free replacement part or by sending you a new or comparable product at no charge. How cool is that! Before you know it, you'll be back in action cutting, sawing, mowing, washing and...?

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### PRODUCT REGISTRATION:

Snow Joe®, LLC ("Snow Joe® + Sun Joe®") strongly encourages you to register your purchase. You can register online at [snowjoe.com/ProductRegistration](http://snowjoe.com/ProductRegistration), or by printing and mailing in a registration card available online from our website, or calling our Customer Service Department at **1-866-SNOWJOE (1-866-766-9563)**, or by e-mailing us at [help@snowjoe.com](mailto:help@snowjoe.com). Failure to register your product purchase will not diminish your warranty rights. However, registering your purchase will allow Snow Joe® + Sun Joe® to better serve you with any of your customer service needs.

### WHO CAN SEEK WARRANTY COVERAGE?

This Warranty is extended by Snow Joe® + Sun Joe® to the owner of this Machine (a "Machine" consists of a product powered by a motor) for residential and personal household use only. This Warranty does not apply to products used for commercial, rental or re-sale purposes. Should ownership of this machine change during the 2-year period, please update the Machine's owner information at [snowjoe.com/ProductRegistration](http://snowjoe.com/ProductRegistration).

### WHAT IS COVERED?

Snow Joe® + Sun Joe® warrants to the owner that if this Machine fails within 2 years from the date of purchase due to a defect in material or workmanship or as a result of normal wear and tear from ordinary household use, Snow Joe® + Sun Joe® will send a replacement part or product, as needed, free of charge and with free shipping to the original purchaser.

If, in Snow Joe® + Sun Joe®'s sole discretion, the failed Machine cannot be repaired with a part, Snow Joe® + Sun Joe® will elect to either (A) send a new Machine at no charge and with free shipping or (B) refund the full purchase price to the owner.

### WHAT IS NOT COVERED?

This Warranty does not apply to the Machines that have been used commercially or in non-household applications. This Warranty does not cover cosmetic changes that do not affect performance. This Warranty is only valid if the Machine is used and maintained in accordance with the instructions, warnings and safeguards contained in the owner's manual. Snow Joe® + Sun Joe® will not be responsible for the cost of any unauthorized warranty repairs. This warranty does not cover any cost or expense incurred by the purchaser in providing substitute equipment or service during reasonable periods of malfunction or non-use of this product while waiting for a replacement part or unit under this warranty.

Wearing parts like belts, augers, chains and tines are not covered under this warranty, and can be purchased at [snowjoe.com](http://snowjoe.com) or by calling **1-866-SNOWJOE (1-866-766-9563)**. Batteries are covered in full for 90-days from the date of purchase.

Repair, replacement or refund of the purchase price are the exclusive remedies of purchaser and the sole liability of Snow Joe® + Sun Joe® under this warranty. No employee or representative of Snow Joe® + Sun Joe® is authorized to make any additional warranty or any modification to this warranty which may be binding upon Snow Joe® + Sun Joe®. Accordingly, purchaser should not rely upon any additional statements made by any employee or representative of Snow Joe® + Sun Joe®. In no event, whether based on contract, indemnity, warranty, tort (including negligence), strict liability or otherwise, shall Snow Joe® + Sun Joe® be liable for any special, indirect, incidental, or consequential damages, including, without limitation, loss of profit or revenue.

Some states do not allow limits on warranties. In such states, the above limitations may not apply to you.

Outside the USA, other warranties may apply.



[snowjoe.com](http://snowjoe.com)