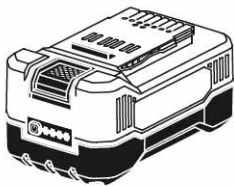
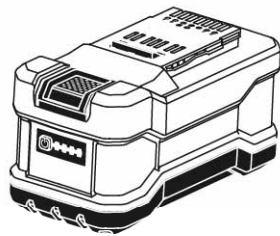


40/80V LITHIUM BATTERY & 42V BATTERY CHARGER

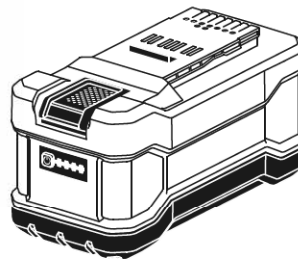
Operator's Manual



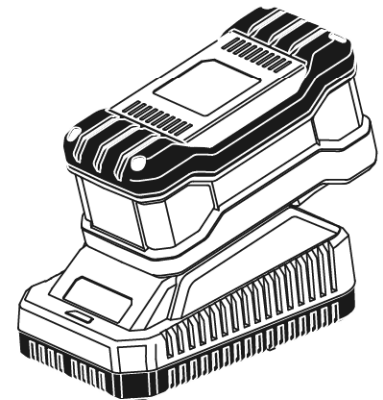
40V 2AH Lithium Battery
Model#: LB4020



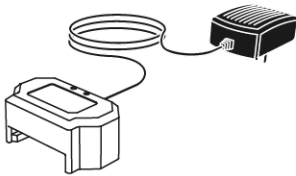
80V 2.5AH/40V 5AH Lithium Battery
Model#: LB8025



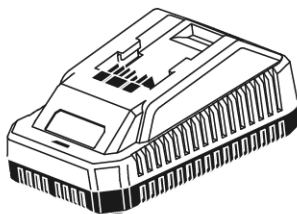
80V 4AH/40V 8AH Lithium Battery
Model#: LB8040



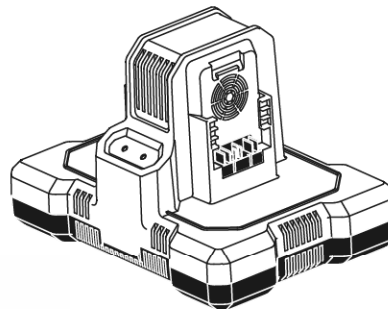
80V 2.5AH/40V 5AH Lithium Battery &
42V 2.2A Single-port Charger Combo Kit
Model#: LB8025-C22



42V 1A Wall Charger
Model#: LC4010



42V 2.2A Single-port Charger
Model#: LC8022



42V 5A Dual-port Charger
Model#: LC8050

NOTE

The machine specification varies with different models. Some illustration may not be applicable to your unit. Everything is subject to the actual item.

FOR YOUR SAFETY

READ AND UNDERSTAND THE ENTIRE MANUAL BEFORE OPERATING MACHINE



WARNING

CALIFORNIA PROPOSITION 65 WARNING

Cancer and Reproductive Harm. www.P65Warnings.ca.gov.

SAFETY

The definitions below give the level of severity for each signal word.



DANGER

This symbol points out important safety instructions. This unit was built to be operated according to the safe operation practices in this manual. As with any type of power equipment, carelessness or error on the part of the operator can result in serious injury. Failure to observe the safety instructions could result in serious injury or death.



WARNING

This symbol points out safety instructions. Read and follow all instructions before attempting to operate this unit. Failure to comply with these instructions may result in personal injury.



CAUTION

This symbol indicates a hazard, which, if not avoided, may result in minor or moderate injury.



NOTE

This information makes the product easier to use.

GENERAL SAFETY RULES

BATTERY SAFETY

1. Use only approved replacement batteries, other batteries may cause injury or damage to the mower.
2. Do not crush, drop, or damage battery pack. Do not use a battery pack or charger that has been dropped or received a sharp blow. A damaged battery is subject to explosion. Properly dispose of a dropped or damaged battery immediately.
3. Batteries can explode in the presence of a source of ignition, such as a pilot light. To reduce the charge battery in a damp or wet location. Following this rule will reduce the risk of electric shock.
4. For best results, your battery should be charged in a location where the temperature is more than 43°F but less than 122°F. To reduce the risk of serious personal injury, do not store outside or in vehicles.
5. Under extreme usage or temperature conditions, battery leakage may occur. If liquid comes in them with clean water for at least 10 minutes, then seek immediate medical attention. Following this rule will reduce the risk of serious personal injury.
6. When battery pack is not in use, keep it away from other metal objects like: paper clips, coins, keys, nails, screws, or other small metal objects that can make a connection from one terminal to another. Shorting the Battery Pack terminals together may cause burns or a fire.
7. Always remove battery from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing the battery pack will prevent accidental starting that could cause serious personal injury.
8. Always remove battery before storing the device. When battery becomes fully charged, unplug the charger from the power supply and remove the battery pack from the charger
9. Keep battery pack dry, clean, and free from oil and grease. Always use a clean cloth when cleaning.
10. When transporting or serving unit, always remove the battery.
11. Under abusive conditions, liquid may be ejected from the Battery Pack; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery pack may cause irritation or burns.

CHARGE SAFETY

1. Do not expose a battery pack or power tool to fire or excessive temperature. Exposure to fire or temperature above 212°F may cause explosion. The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface.

- Do not obstruct any vents on the Charger. Especially avoid placing the charger on carpets and rugs; they are not only flammable, but they also obstruct vents under the charger. Place the Charger on a stable, solid, nonflammable surface (such as a stable metal workbench or concrete floor) at least 1 foot away from all flammable objects, such as drapes or walls. Keep a fire extinguisher and a smoke detector in the area. Frequently monitor the Charger and Battery Pack while charging.
2. Charge the mower battery in a dry area that is protected from the weather. Do not expose the charger to rain. Do not charge the battery in a wet location. Operate the battery charger in temperatures between 43°F and 122°F. In order to reduce the risk of electric shock, use only the charger that is provided by the manufacturer to charge the battery.
 3. Follow all charging instructions and do not charge the battery pack or power tool outside of the temperature range specified in the instructions. Charging improperly or at temperatures outside of the specified range may damage the battery and increase the risk of fire.
 4. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.
 5. Do not abuse the charger cord. Never carry the charger by the cord. Do not disconnect the charger from the outlet by pulling the charger cord.
 6. Do not use a damaged charger. Replace the charger cords or the charger immediately.
 7. Keep the mower and the charger away from water, heat sources (radiators, heaters, stoves, etc.).
 8. Make sure the battery is secured in the charger.
 9. The battery will become slightly warm to the touch while charging. This is normal and does not indicate a problem.
 10. Do not place the charger and battery pack in an area of extreme heat or cold. They will work best at normal room temperature.
 11. When batteries become fully charged, unplug the charger from the power supply and remove the battery.
 12. Charge indoors only.
 13. Charger plugs must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.
 14. Store idle chargers out of the reach of children and do not allow persons unfamiliar with the charger or these instructions to operate the Charger.
 15. Maintain chargers. Check for breakage of parts and any other condition that may affect the Charger's operation. If damaged, have the Charger repaired before use.
 16. Inspect before every use; do not use if parts are loose or damaged.
 17. Use as intended only.
 18. Maintain labels on the Charger. These carry important safety information. If unreadable or missing, contact our service for a replacement.
 19. This product is not a toy. Keep it out of reach of children.
 20. People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure. In addition, people with pacemakers should properly maintain and inspect to avoid electrical shock.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference.
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



NOTE

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: Reorient or relocate the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. Consult the dealer or an experienced radio/TV technician for help.

SYMBOLS

The rating plate on your machine may show symbols. These represent important information about the product or instructions on its use.



Read these instructions carefully.



Wear eye protection with side shields marked to comply with ANSI Z87.1.

V Volt

A Amperes

W Watt

— — — Direct Current



Recommended Ambient Temperature for Charging max. 50°C(122°F)

LITHIUM BATTERIES STORE A LARGE AMOUNT OF ENERGY AND WILL VENT FIRE OR EXPLODE IF MISTREATED.



The battery Charger gets hot during use. The Charger's heat can build up to unsafe levels and create a fire hazard if it does not receive adequate ventilation, due to an electrical fault, or if it is used in a hot environment. Do not place the Charger on a flammable surface.



ENVIRONMENTALLY SAFE BATTERY DISPOSAL

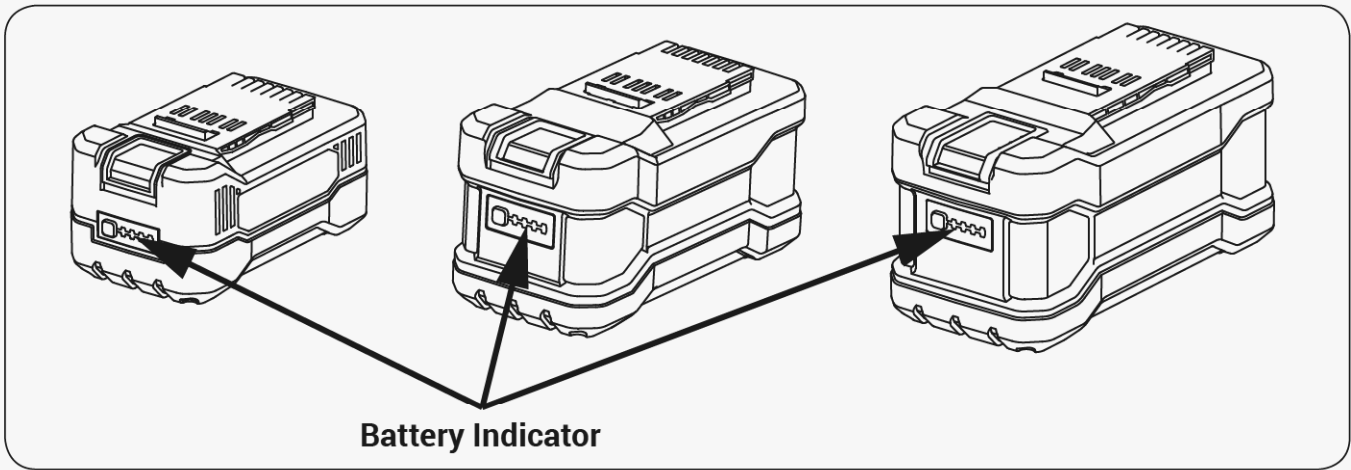
The toxic and corrosive materials are in the batteries used in this machine: Lithium-Ion, a toxic material.

Discard all toxic materials in a specified manner to prevent contamination of the environment. Before discarding damaged or worn out Li-ion battery, contact your local waste disposal agency, or the local Environmental Protection Agency for information and specific instructions. Take the batteries to a local recycling and/or disposal center, certified for lithium-ion disposal.

SPECIFICATIONS

BATTERY

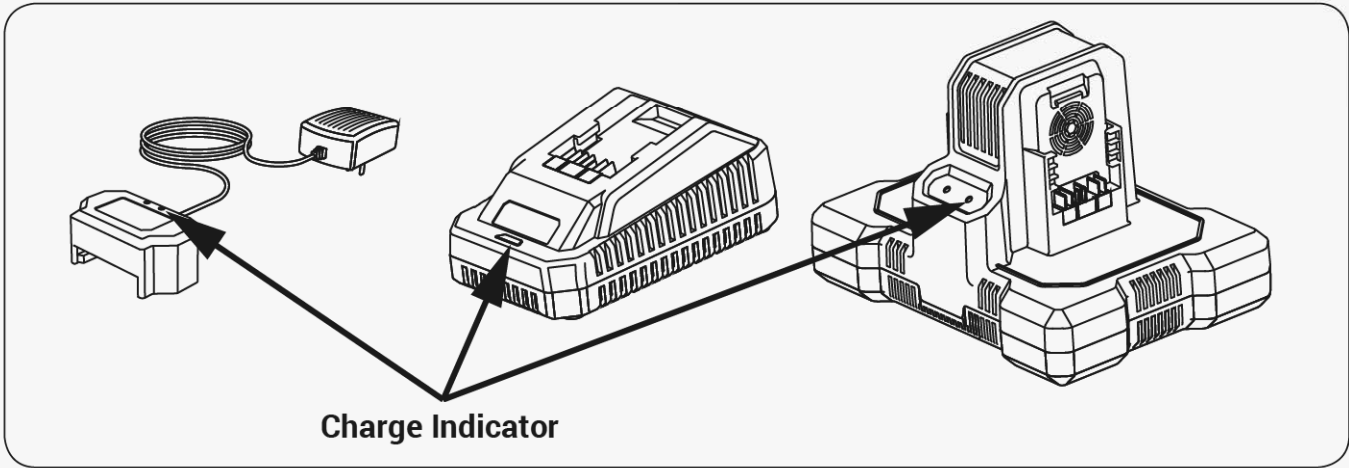
Specification of Battery			
Battery Model#	LB4020	LB8025	LB8040
Output Rating	40V / 2.0Ah / 80Wh	80V / 2.5Ah / 200Wh	80V / 4.0Ah / 320Wh
Compatible with Machine Models	Leaf Blower B4111T1, B4111T0 String Trimmer T4016S1, T4016S0 Blower & Trimmer Combo T4016S-B111T1, T4016S-B111T0	Leaf Blower B4111T1, B4111T0 String Trimmer T4016S1, T4016S0 Blower & Trimmer Combo T4016S-B111T1, T4016S-B111T0 Lawn Mower M2025P1, M2025P0, M2150P2, M2150P0, M2280R, M2280F	Leaf Blower B4111T1, B4111T0 String Trimmer T4016S1, T4016S0 Blower & Trimmer Combo T4016S-B111T1, T4016S-B111T0 Lawn Mower M2280R, M2280F
Operating Temperature	43°F-122°F		



Light Indicator Definition						
	Voltage range	LED 1	LED 2	LED 3	LED 4	
Discharge Indication	~3.60	ON	OFF	OFF	OFF	Press the switch or turn it on and it will light up. Release the switch for 3 seconds and it will turn off
	3.60~3.75	ON	ON	OFF	OFF	
	3.75~3.90	ON	ON	ON	OFF	
	3.90~	ON	ON	ON	ON	
Charge Indication	~3.60	Blink	Blink	Blink	Blink	Flashing frequency 1HZ, flowing light, Flashing mode (Green light)
	3.60~3.80	ON	Blink	Blink	Blink	
	3.80~4.00	ON	ON	Blink	Blink	
	4.00~Full	ON	ON	ON	Blink	
	Full	ON	ON	ON	ON	
Charging High and Low Temperature Alarm		LED1 flashing, frequency 1HZ				
Battery Pack Abnormal Damage Alarm		LED1, LED2, LED3, and LED4 flash 5 times simultaneously to turn off				
Sleep Function		The protective board should be left in a non-discharging and non-charging state for 3 minutes to enter sleep mode.				

CHARGER

Specification of Charger			
Charger Model#	LC4010	LC8022	LC8050
Input Rating	120VAC / 60Hz / 1A	120VAC / 60Hz / 2A Max	120VAC / 60Hz / 2A Max
Output Rating	42V / 1A	42V / 2.2A	42V / 5A
Compatible Battery Type	LB4020	LB4020, LB8025, LB8040	
Operating Temperature	43°F-122°F		



Light Indicator Definition	
Indicator Light	Definition
Solid Red	No battery pack is inserted
Green Blinking	Battery pack is charging
Green	Battery pack is charged
Red Blinking	Battery pack and/or battery charger is over or under the appropriate temperature range 43°F-122°F
Red-Green Blinking	Battery pack charging fault. See Troubleshooting page 6 for more information

BATTERY & CHARGER COMBO KIT

Specification of Battery & Charger Combo Kit	
Model#	LB8025-C22
Including battery model#	LB8025
Including charger model#	LC8022

OPERATION

CHARGING THE BATTERY

⚠ WARNING Read the *ENTIRE IMPORTANT SAFETY INFORMATION* section at the beginning of this manual including all text under subheadings therein before set up charging the battery.

⚠ CAUTION The battery pack is not fully charged when you purchase it. Before using the machine for the first time, place the battery pack in the charger and charge it until the LED display indicates the battery pack is fully charged.

1. Place the Battery Pack and Charger on a dry fireproof surface in a room where the temperature is from 43°F-122°F.

⚠ CAUTION If recharging a newly spent Battery Pack, allow it to cool completely before charging.

2. Examine the Battery Pack. It must be undamaged. Do not charge a cracked, open, or leaking Battery Pack, or charge a non-recommended type of Battery Pack. (Only works with a FULL BOAR Li-Ion 80 V Battery Pack.)

3. The Full Boar Battery Pack's terminals are designed to fit the adapted Full Boar Charger specifically. If the Battery Pack does not fit the Charger properly, do not try to insert it or force it. Look for the appropriate battery charger.

4. Plug the Charger directly into a grounded, 120VAC, 60Hz receptacle. The Indicator will flash green every 5 seconds when the charger is ready to charge a Battery Pack.
5. Slide the Battery Pack into the Charger. The Indicator will blink green while the Battery Pack is charging.



CAUTION

If the Indicator shows the alternating red and green flashing instead, the Battery Pack is not charging properly. Make sure connections are clean and tight, and that Battery Pack and Charger are both at proper charging temperature. If the indicator still blinks red and green alternating, the Battery Pack may be worn out or internally damaged.

To check if any damage.

1. *Remove the Battery Pack from the Charger. Unplug the Charger to reset it.*
2. *After one minute, plug the Charger back into the receptacle. Then, slide the Battery Pack into the Charger.*

3. If the indicator flashes red/green again, the Battery Pack is defective, remove it from the Charger. Do not leave a worn out or internally damaged Battery Pack in the Charger.



NOTE

If the Indicator blinks only red the Battery Pack and/or Charger are at an incorrect charging temperature. Charging room temperature: 43°F-122°F. Make sure that both Charger and Battery Pack are at the correct charging temperature. Allow sufficient time for both of them to cool off or warm up as needed.

6. While charging, the Battery Pack and Charger may become warm to the touch. This is normal and does not indicate a problem.
7. The Indicator will light up constant green when the Battery Pack is charged.
8. Allow the Battery Pack to cool completely before using it.
9. Unplug the Charger when not in use.

TROUBLESHOOTING

Problem	Cause	Remedy
The battery pack loses charge quickly.	The battery pack is over or under the appropriate temperature range.	Move the battery pack to a place where it is dry and the temperature is between 6°C (43°F) and 50°C (122°F).
The battery charger is not working.	<ol style="list-style-type: none"> 1. The battery charger is over or under the appropriate temperature range. 2. The outlet that the battery charger is plugged into does not have power. 	<ol style="list-style-type: none"> 1. Unplug the battery charger and move it to a place where it is dry and the temperature is between 6°C (43°F) and 50°C (122°F). 2. Contact your licensed electrician to repair the outlet.
The LED indicator light on the battery charger blinks red.	The battery charger and/or battery pack is over or under the appropriate temperature range.	Unplug the battery charger and move the battery charger and battery pack to a place where it is dry and the temperature is between 6°C (43°F) and 50°C (122°F).
The LED indicator light on the battery charger is blinking red and green alternately.	<ol style="list-style-type: none"> 1. There is an error in the communication between the battery pack and the charger. 2. The battery pack is weak. 	<ol style="list-style-type: none"> 1. Remove the battery pack from the battery charger, unplug the battery charger from the outlet, and wait 10 seconds. Plug the battery charger into the outlet again and place the battery pack on the battery charger. If the LED indicator light on the battery charger is still blinking red/green alternately, repeat this procedure again. If the LED indicator light on the battery charger is still blinking red/green alternately after 2 attempts, properly dispose of the battery pack at a battery recycling facility. 2. Properly dispose of the battery pack at a battery recycling facility.



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