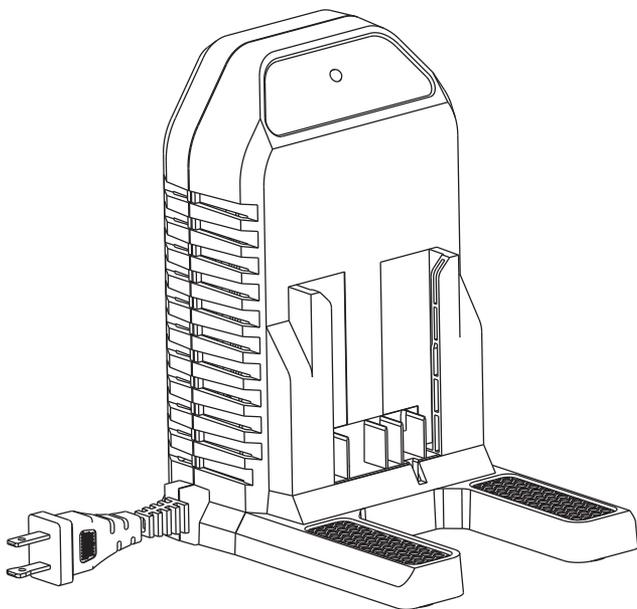




YARDWORKS^{®/MD}

48V Max* Lithium-ion Battery Charger

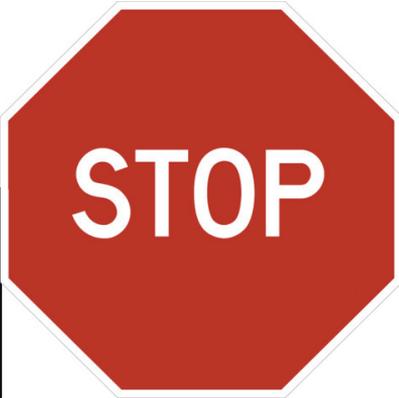
model number 060-1990-2 | contact us: 1.866.523.5218



IMPORTANT:

Read and follow all safety rules and operating instructions before using this product.

**Instruction
Manual**



For problems or questions, **DO**
NOT RETURN TO STORE. Please
contact one of our Customer
Service Agents who would be
happy to assist you.

For Customer Assistance Please Call:



CANADA: 1.866.523.5218



model no. 060-1990-2 | contact us: 1.866.523.5218

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Please do not operate garden equipment near children. This could lead to severe injury or death.

INTRODUCTION

Congratulations on your purchase of your new Yardworks® tool. It has been designed, engineered and manufactured to give you the best possible dependability and performance.

Should you experience any problem you cannot easily remedy, please contact our Yardworks® customer service line at 1.866.523.5218.

PLEASE READ AND RETAIN THIS INSTRUCTION MANUAL. These instructions will enable you to assemble and maintain your appliance properly. **ALWAYS** observe the “SAFETY RULES”.

The instruction manual was designed to conveniently help you get your purchase ready to use so there's less risk of damaging it and to provide you with enough information for you to get familiar with your product's controls and features so you can operate it safely.

SAFETY FIRST



CAUTION: The operation of lawn equipment can result in foreign objects thrown into the eyes, which can result in SEVERE EYE INJURY. ALWAYS wear safety glasses or eye shields while operating your lawn equipment or performing any adjustments or repairs. We recommend standard safety glasses or a wide vision safety mask worn over spectacles.



Please read this manual carefully and make sure you understand the instructions before using the machine.

Model number : _____

Serial number : _____

Date of purchase (MM/DD/YYYY) : _____

Notes : _____



model no. 060-1990-2 | contact us: 1.866.523.5218

This device complies with Canadian ICES-001.

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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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.



WARNING: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Some of the following symbols may be used on this product. Please study them and learn their meaning. Proper interpretation of these symbols will allow you to operate the product effectively and safely.

Symbol	Designation/Explanation
--------	-------------------------



To reduce the risk of injury, user must read instruction manual.



Be extra cautious.



Double-insulated construction.

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PRODUCT SPECIFICATIONS

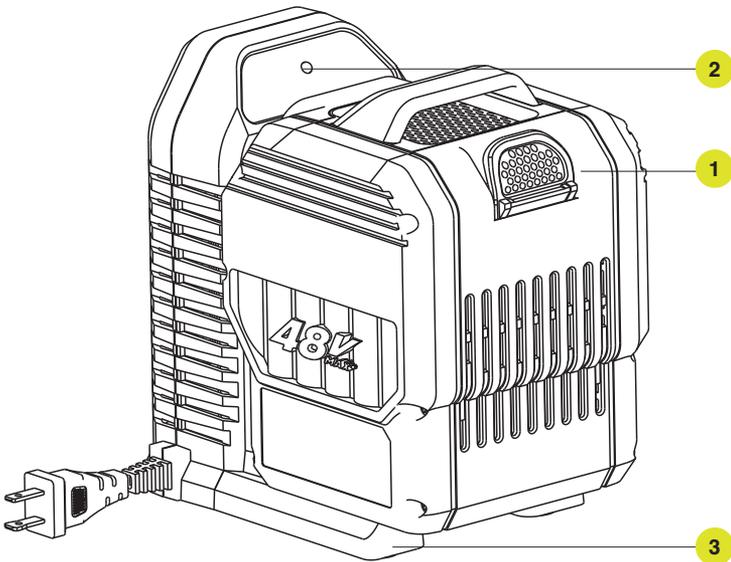
Charger input	120 V~,60 Hz, 110 W
Charger output	48 V \equiv 2 A
Charger battery	Li-ion
Charging time (approx.)	
Battery pack	
060-1987-2 2.0 Ah	1 hr
ABP4830HU 3.0 Ah	1 1/2 hrs
060-1988-0 4.0 Ah	2 hrs
ABP4850HU 5.0 Ah	2 1/2 hrs
060-1989-8 6.0 Ah	3 hrs
Protection class	II / 
Machine weight	1 lb 9 oz (0.72 kg)

SUITABLE BATTERY PACKS

Item Number	060-1987-2	ABP4830SH	060-1988-0	ABP4850SH	060-1989-8
Battery capacity	2.0 Ah	3.0 Ah	4.0 Ah	5.0 Ah	6.0 Ah
	Not included				

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1. Battery pack (not included)
2. Charge indicator light
3. Charger





NOTE: Before using the tool, read the instruction book carefully.

CHARGING THE BATTERY PACK

NOTE: The battery in your new tool is not charged when it leaves the plant. Therefore it must be fully charged before using the first time.

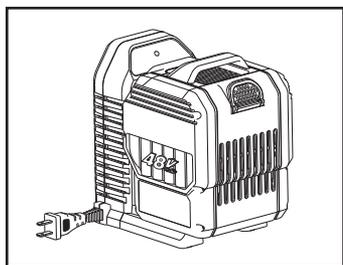
If the battery pack is very hot you must remove your battery pack from the charger and allow your battery pack to cool first to ambient temperature and then recharging can be started.

To prevent damage to the battery pack, when charge runs out, please charge the battery to reach full or no less than half charge before storage.

If the tool will not be used for long periods of time, charge the battery pack every 3-6 months.

CHARGING PROCEDURE (See Fig. A)

- 1) Plug the charger into an appropriate outlet.
- 2) Slide the battery pack into the charger, the light will begin flashing green to indicate the charging process has started.
- 3) When charging is completed, the light will turn solid green. The pack is now fully charged; unplug the charger and remove the battery pack.



A



WARNING: Do not use the charger outdoors or expose it to wet or damp conditions. Water entering the charger will increase the risk of electric shock.



WARNING: The charger and battery pack are specifically designed to work together so do not attempt to use any other devices. Never insert or allow metallic objects into your charger or battery pack connections because an electrical failure and hazard will occur.



WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the tool to cool down before re-charging to achieve the full charge.

CHARGING INDICATOR

This charger is designed to detect some problems that can arise with battery packs. Indicator lights indicate problems (see table below).

Light	ON/ Flash	Status
Red on  	————	Defective Battery.
Red flash  	Battery Temperature Protection. The temperature of battery pack is less than 0°C (32°F) or more than 40°C (104°F).
Green on  	————	Fully charged.
Green flash  	Charging.

DEFECTIVE BATTERY PACKS

This charger will detect a defective battery pack. When a defective battery pack is inserted into the charger, the charger will try to repair it. This process will last about 30 minutes (the light will be green and flash). If the repair is successful, the charger will automatically begin to charge the battery pack to the highest capacity possible (the light will be green and flash). If the light becomes solid red, the battery pack is dead.

NOTE: Repaired battery packs are still usable but should not be expected to perform as much work as new battery packs.

BATTERY TEMPERATURE PROTECTION

This charger has a battery temperature protection feature. When the charger detects a battery pack that is too hot or cold (the light will be red and flash), it automatically activates the protection circuit and suspends charging until the battery pack has reached the correct temperature. The charging process will then automatically begin (the light will be green and flash). This feature ensures maximum battery life.

IMPORTANT CHARGING NOTES:

1. For a new battery or a battery that has been in storage for some time, please recharge the battery before use. If you want to store the battery for a long time, please fully charge the battery pack to ensure maximum battery life.
2. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18 to 24 °C (65 to 75 °F). Do not charge the battery pack in air temperatures below 0 °C (32 °F), or above 40 °C (104 °F). This is important as it can prevent serious damage to the battery pack.
3. Never freeze your charger or immerse charger in water or any other liquid.
4. When the battery pack fails to produce sufficient power on jobs that were previously done easily, please recharge your battery, do not continue to use under this condition. You may charge a partially used pack whenever you desire with no adverse affect on the battery pack.

5. When charging it is normal that the charger and battery pack may become warm to touch.
6. If the battery pack does not charge properly:
 - a. Check current at power outlet by plugging in another appliance.
 - b. Plug and unplug to check whether the charger is ok.
 - c. Check whether the battery has been damaged.
 - d. Move the charger and battery pack to a location where the surrounding air temperature is approximately 18 to 24 °C (65 to 75 °F).
 - e. If the charging problem persists, contact Yardworks[®] at 1.866.523.5218.
 - f. Under certain conditions, when the charger is plugged into the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the charger or before attempting to clean.

Your tool requires no additional lubrication or maintenance. Never use water or chemical cleaners to clean your charger. Wipe clean with a dry cloth. Always store your charger in a dry place. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



WARNING: Remove the plug from the socket before carrying out any adjustment, servicing or maintenance.

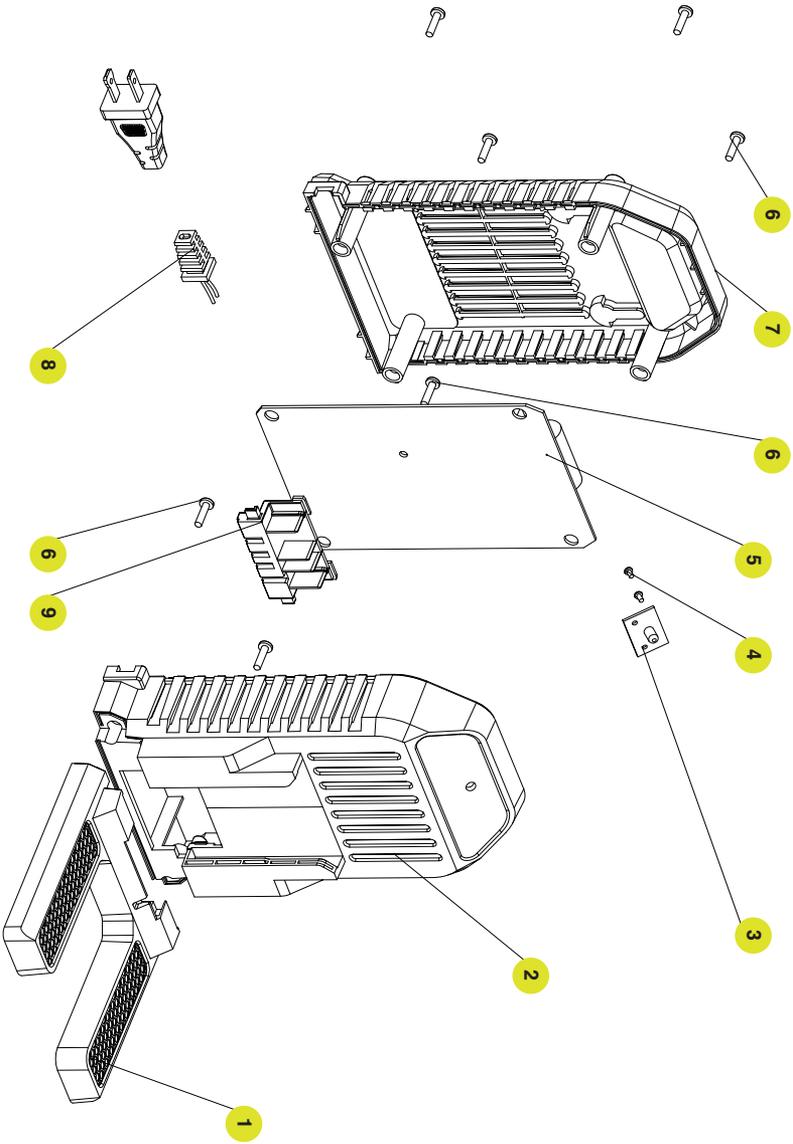


WARNING: To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

Store charger in a dry place.

The following table gives checks and actions that you can perform if your machine does not operate correctly. If these do not identify/remedy the problem, contact Yardworks® at 1.866.523.5218.

Symptom	Possible Causes	Solution
Battery cannot be fitted into the battery charger	The charger and the battery pack may not match.	Check if the charger and the battery pack are specifically designed to work together.
	The battery can be inserted into the charger in the wrong direction.	The battery can be inserted into the charger only in one direction. Turn the battery around until it can be inserted into the slot. The indicator light should be green and flash when the battery is charging.
Different charging times	The battery pack is only partly discharged. It may be re-charged in less than rated charging time.	Fully charge the battery pack.
	Ambient temperature is very cold/hot.	Please find an appropriate environment with proper air temperature to start charging.
	Battery pack is very hot.	Allow battery pack to cool first to ambient temperature and then recharging can be started.
	Batteries have a higher Ah rating.	Batteries of higher Ah rating require more charging time.



Exploded View

model number 060-1990-2 | contact us: 1.866.523.5218

Item	Description	QTY.
1	Support Leg	1
2	Front Cover	1
3	LED Panel	1
4	Screw	2
5	PCBA	1
6	Screw	7
7	Rear Cover	1
8	Power Cord	1
9	Electrode Holder	1



model no. 060-1990-2 | contact us: 1.866.523.5218

THREE-YEAR LIMITED WARRANTY

For THREE (3) years from the date of purchase within Canada, YARDWORKS CANADA will, at its option, repair or replace for the original purchaser, free of charge, any part or parts found to be defective in material or workmanship.

THIS WARRANTY DOES NOT COVER

1. Any part that has become inoperative due to misuse, commercial use, abuse, neglect, accident, improper maintenance, or alteration; The unit, if it has not been operated and/or maintained in accordance with the owner's manual; Normal wear, except as noted below;
2. Routine maintenance items such as lubricants, blade sharpening; or
3. Normal deterioration of the exterior finish due to use or exposure.

HOW TO OBTAIN SERVICE

Warranty service is available by calling the toll-free helpline at 1.866.523.5218. The factory will not accept the return of a complete unit unless prior written permission has been extended by YARDWORKS CANADA.

TRANSPORTATION CHARGES

Transportation charges for the movement of any power equipment unit or attachment are the responsibility of the purchaser. The purchaser must pay transportation charges for any part submitted for replacement under this warranty unless such return is requested in writing by YARDWORKS CANADA.

OTHER WARRANTIES

All other warranties, express or implied, including any implied warranty of merchantability is limited in its duration to that set forth in this express limited warranty.

The provisions as set forth in this warranty provide the sole and exclusive remedy of YARDWORKS CANADA obligations arising from the sale of its products.

FCC Part 15

Supplier's Declaration of Conformity

Product Description : Charger

Model Number : 060-1990-2

Trade Name : Yardworks®

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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Responsible Party :

Positec USA, Inc.

PO Box 681298, Charlotte, NC 28216

Tel: 1 - (866) - 523 - 5218

Fax: (704) 599-6390

