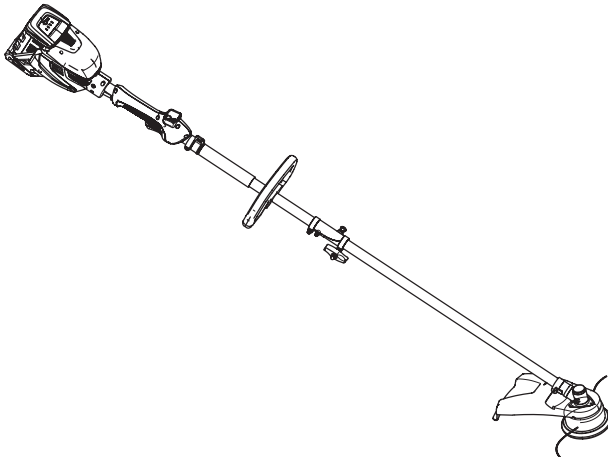


**BENCHMARK** ✓

®

# BRUSHLESS LAWN TRIMMER OWNER'S MANUAL



60 V MAX • 2.5 AH



**READ ALL INSTRUCTIONS BEFORE FIRST USE.  
KEEP THIS MANUAL FOR FUTURE REFERENCE.  
KEEP AWAY FROM CHILDREN.**



## PRODUCT SPECIFICATIONS

Item No.	5073-054
Voltage/Capacity:	60 v d.c. / 2.5 Ah Li-ion
Cutting Width	16" / 41 cm
Cutting Line Dia.	2.4 mm / 0.095"(2 mm / 0.08" Compatible)
Line Feed	Dual Line, Tap-Feed
Running Speed	3 Speeds, 4500/5000/5500 RPM
Motor	Brushless
Charger	Input: 100~240 V, 50/60 Hz, Output: 63 v d.c. 2.5 A
Weight	8.5 kg / 18.7 lbs
Battery Pack Type	5350-018
Adapter Type	5350-020

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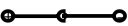

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## SYMBOLS

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.

**WARNING:** Be sure to read and understand all safety instructions in this Operator's Manual, including all safety alert symbols such as "DANGER," "WARNING," and "CAUTION" before using this tool. Failure to follow all instructions listed below may result in electric shock, fire, and/or serious personal injury.

	Warning		Wear eye protection
	Wear ear protection		Wear protective gloves
	Beware of thrown or flying objects to bystanders. Keep bystanders a safe distance away from the machine.		Protect against rain and wet conditions. Do not expose and operate the tool in rain.
	Objects thrown by the product could hit the user or other bystanders. Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is.		
<b>WARNING SYMBOLS ON THE CHARGER</b>			
	The charger is for indoor use only.		Protective 5A limited
	Pole orientation		Do not expose and operate the tool in rain.

WARNING SYMBOLS ON THE BATTERY PACK

	<p>Do not throw into water</p>		<p>Do not litter into a fire.</p>
	<p>Do not subject the battery to strong sunlight over long periods and do not leave it on a heater (max. 45 °C / 113 °F).</p>		<p>Batteries contain Li-ion. Batteries should be sorted for environmentally friendly recycling. Do not dispose of batteries in household waste.</p>
 	<p>Do not expose and operate the tool in rain. Wait until all machine components have completely stopped before touching them. The blades continue to rotate after the machine is switched off, a rotating blade can cause injury.</p>		


## **SAFETY WARNINGS & INSTRUCTIONS**

### **READ ALL INSTRUCTIONS BEFORE USING TRIMMER**

 **WARNING:** To reduce the risk of fire, electric shock, or injury:

1. Replacement Parts - When servicing use only identical replacement parts.
2. Avoid Dangerous Environment - Don't use appliances in damp or wet locations.
3. Do not use in the rain.
4. Keep Children Away - All visitors should be kept at a distance from work area.
5. Dress Properly - Do not wear loose clothing or jewelry. They can get caught in moving parts. Use of rubber gloves and substantial footwear is recommended when working outdoors. Wear protective hair covering to contain long hair.
6. Use Safety Glasses - Always use face or dust mask if operation is dusty.
7. Use Right Appliance - Do not use appliance for any job except that for which it is intended.
8. Don't Force Appliance - It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
9. Don't Overreach - Keep proper footing and balance at all times.
10. Stay Alert - Watch what you are doing. Use common sense. Do not operate appliance when you are tired.
11. Maintain Appliance With Care - Keep cutting edge sharp and clean for best performance and to reduce the risk of injury. Follow instructions for lubricating and changing accessories. Keep handles dry, clean, and free from oil and grease.
12. Check Damaged Parts - Before further use of the appliance, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other condition that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this manual.

### **GENERAL POWERTOOL SAFETY WARNINGS**

 **WARNING:** Read all safety warnings and instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. Save all warnings and instructions for future reference.

### **WORK AREA SAFETY**

1. Keep work area clean and well lit. Cluttered or dark areas invite accidents.
2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

### **ELECTRICAL SAFETY**

1. Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.

2. Avoid body contact with earthed or grounded surfaces, such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.
3. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
4. Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
6. If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of electric shock.

**NOTE:** The term “residual current device(RCD)” may be replaced by the term “ground fault circuit interrupter (GFCI)” or “earth leakage circuit breaker(ELCB)”

### **PERSONAL SAFETY**

1. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source and/or battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts. Wear proper footwear.
7. If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of dust collection can reduce dust related hazards.

### **POWER TOOL USE AND CARE**

1. Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.
2. Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the

- power tool accidentally.
4. Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.
  5. Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
  6. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
  7. Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

#### **BATTERY TOOL USE AND CARE**

1. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
3. 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 terminals together may cause burns or a fire.
4. Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
5. Use only with the battery packs and chargers listed below:  
Battery pack: 5350-018, 5350-019  
Charger: 5350-020, 5350-021

#### **SERVICE**

Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

#### **CORDLESS GRASS TRIMMER SAFETY WARNINGS**

1. Read the instructions carefully
2. Be familiar with the controls and proper use of the equipment
3. Wear protective glassed or goggles
4. Never allow children or people unfamiliar with the instructions to use the machine .
5. Stop using the machine while people, especially children or pets, are nearby.
6. Only use the machine in daylight or good artificial light. Never use when visibility is bad.
7. Before using the machine and after any impact, check for the signs of wear or damage and repair as necessary.
8. Never operate the machine with damaged guards or without the guards in place.



9. Keep hands and feet away from the cutting means at all times and especially when switching on the motor.
10. Take care against injury from any device fitted for trimming the filament line length. After extending new cutter line always return the machine to its normal operating position before switching on.
11. Never fit metal cutting elements. Only use 2.4mm / 0.095" or 2mm / 0.08" rounded nylon line.
12. Never use replacement parts or accessories not provided or recommended by the manufacturer.
13. Ensure that the battery pack has been removed before checking, cleaning or working on the machine and when it is not in use.
14. Always ensure that ventilation openings are kept clear of debris.
15. During assembly take great care when fitting the guard as this has a very sharp cutting edge on one side for cutting the nylon line.
16. Never hold the cutter head above foot height or point it towards people or animals when in use.
17. If the trimmer starts to vibrate excessively switch off immediately and have it checked by a qualified service engineer. **CAUTION:** The cutting head continues to rotate for a few seconds after switching off.
18. Always remove any sticks and stones etc. before using the trimmer.
19. Do not cross roads or gravel paths while operating trimmer.
20. On steep slopes cut across the slope, never in an up and down direction. Never run while using the trimmer.
21. Never use the trimmer while it is raining or in damp weather.
22. Do not overreach, keep proper footing and balance at all times.
23. Use only genuine spare parts. Only these spare parts are designed and suitable for the product. The use of other spare parts not only voids the warranty, but also endangers yourself and your environment.
24. Never use of appliance for edging operation.


### **SPECIAL OPERATION SAFETY FOR THE CHARGER**

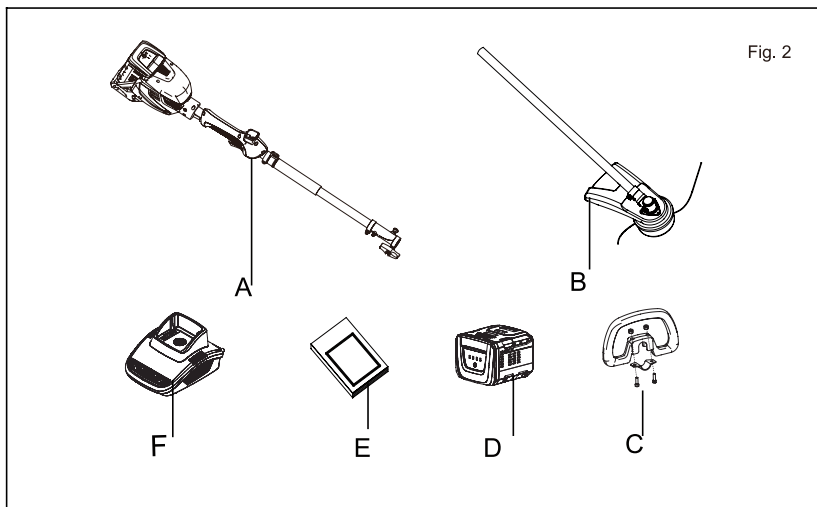
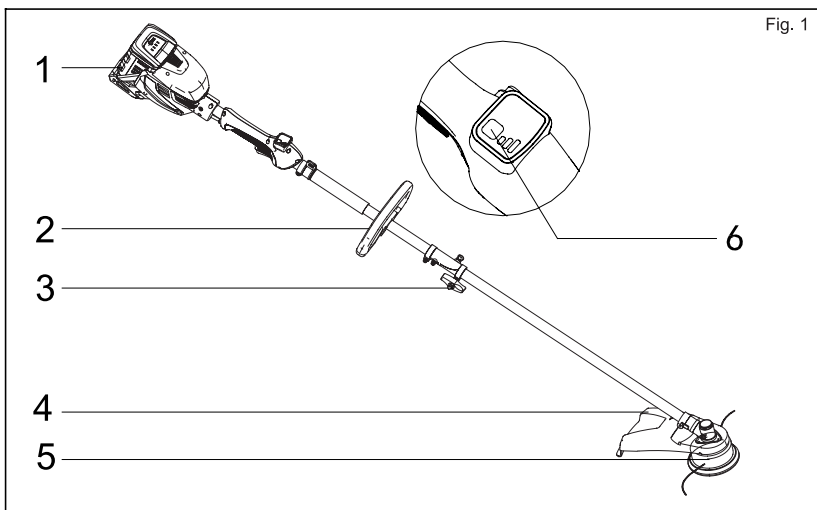
1. Recharge only with the charger specified by the manufacturer. Do not use the original charger on other li-ion batteries or on any other type of battery—fire or explosion may occur.
2. Check the battery charger, cable and plug each time before using. Do not use the battery charger when defects are detected. Do not open the battery charger yourself and have it repaired only by qualified personnel using original spare parts.
3. The charger is designed to use standard household 100~240 V, 50/60 Hz power source. The charger's plug must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.
4. Do not abuse the cord of charger. Never use the cord for carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
5. Make sure the charger cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
6. Keep the battery charger clean. Contamination may cause the danger of electric shock.
7. Protect the battery charger from rain and moisture. The penetration of water in a battery charger increases the risk of electric shock.

8. Do not operate the battery charger on easily inflammable surfaces (e.g. paper, textiles, etc.) or in combustible environments. There is danger of fire due to the heating of the battery charger during charging.
9. The temperature range over which the battery pack can be charged is typically 5 °C / 41 °F - 45 °C / 113 °F. Therefore, charging efforts outside the prescribed temperature range may automatically be blocked by the protection circuitry of the battery pack. Longest life and best performance can be obtained if the battery pack is charged in the normal room condition.
10. Disconnect charger from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening.
11. The charger is for indoor use only.

### **SPECIAL OPERATION SAFETY FOR THE BATTERY PACK**

1. The Li-ion battery pack is not fully charged at the factory. You must fully charge it before its' first use.
2. The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. **DO NOT CONTINUE** using product with its battery in a depleted condition.
3. Do not charge the battery in an air temperature below 5 °C / 41 °F or above 45 °C / 113 °F. This is important and will prevent serious damage to the battery. Longest life and best performance can be obtained if the battery is charged when air temperature is about 20 °C / 68 °F. Do not store batteries in a garage or shed over the winter as it will damage battery life.
4. When the machine continues to be used and the battery temperature is above 45 °C / 113 °F, the battery cannot be charged, even you put on the charger. Let the machine cool for some time and wait for the temperature to go down, then it can be charged again.
5. Protect the battery pack against heat, e.g. including against continuous sun irradiation and fire. There is a danger of explosion.
6. Do not carry individual battery packs in your pockets or bags, as they could short-circuit against other metal items.
7. If an exposed Li-ion battery pack does start a fire, it will burn even more violently if it comes into contact with water or even the moisture in the air. **DO NOT** throw water on a burning Li-ion battery! A fire extinguisher must be used.
8. If the battery pack becomes too hot to the touch during charging, disconnect and switch off immediately. Contact Service Centre directly.
9. Do not open the battery yourself. There is danger of a short circuit.
10. When battery pack is not in use, keep it away from other metal objects, like paperclips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

 **WARNING:** Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

**PRODUCT DIAGRAM**

## UNPACKING YOUR TRIMMER

### PARTS LIST

1. Power head
2. Auxiliary handle
3. Shaft connector
4. Safety guard
5. Cutting head
6. Speed adjustment button

### DELIVERY LIST

- A. Power head assembly x 1
- B. Line trimmer attachment x 1
- C. Auxiliary handle x 1
- D. Battery pack x 1
- E. Manual x 1
- F. Charger x 1

Carefully remove the machine and parts from its packaging. Identify all the parts packaged in the carton against the parts list. Please contact our customer service center at 1-833-818-4111 - Monday through Friday, 9am - 5pm, Eastern Standard Time if anything is missing.

**⚠ WARNING:** If any parts are damaged or missing, do not operate this tool until the missing parts are replaced. Failure to heed this warning could result in serious personal injury.

**NOTE:** Always recycle the packaging in accordance with local recycling schemes.

**⚠ WARNING:** This item requires a two person lift to remove from the packaging. Make sure that you have sufficient space to put the lawn mower down. Keep your feet apart so that you have a stable position, bend at the knees and keep your back straight.

### INTENDED USE

The product is intended for cutting weed, grass or similar soft vegetation in areas that are hard to reach, e.g. under bushes, on slopes and edges. It may

not be used to work on unusual thick, dry or wet grass, e.g. pasture grass, or to shred leaves. For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

## ASSEMBLY

**⚠ WARNING:** If any parts are damaged or missing, do not operate this product until the parts are replaced. Use of this product with damaged or missing parts could result in serious personal injury.

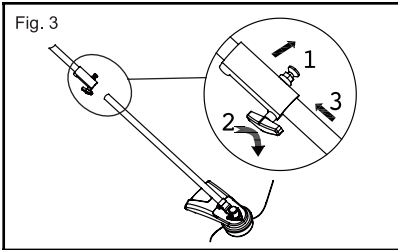
**⚠ WARNING:** Do not attempt to modify this product or create accessories not recommended for use with this device. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

**⚠ WARNING:** Do not connect to power supply until assembly is complete. Failure to comply could result in accidental starting and possible serious personal injury.

**⚠ WARNING:** Read the Instruction Manual for the attachment used on this power head and follow all warnings and instructions. Failure to follow all instructions may result in electric shock, fire and/or serious personal injury.

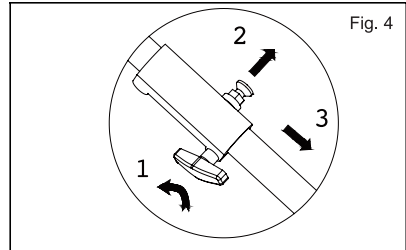
**⚠ WARNING:** Never install, remove, or adjust the attachment while power head is running. Failure to stop the motor can cause serious personal injury. Never operate power head without the attachment.

**NOTE:** Remove the battery if fitted before making any adjustments.



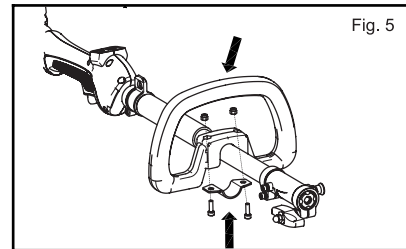
**Installing the line trimmer attachment. (See Fig. 3 )**

1. Pull out the locking pin on the coupling connector and rotate it to stay on the collar top.
2. Loosen the coupling connector knob by rotating counterclockwise on the power head assembly.
3. Align the male square shaft inside the line trimmer attachment to the female square hole inside the coupling connector and insert the line trimmer attachment to the coupling connector completely.
4. Pull out the locking pin and rotate it to leave the collar top.
5. Rotate the line trimmer attachment until an audible 'click' to tell the locking pin is in locking position. Note! You may have to rotate the shaft to find the right position for the pin to lock!
6. Retighten the connector knob and make sure the attachment is fully secured in place.



**Removal of the line trimmer attachment (See Fig. 4)**

1. Stop the line trimmer and remove the battery pack from the machine.
2. Loosen the coupling connector knob by rotating counterclockwise.
3. Pull out the locking pin on the coupling connector and rotate it to stay on the collar top.
4. Pull out the line trimmer attachment on any purpose.



**Installing auxiliary handle (See Fig. 5)**

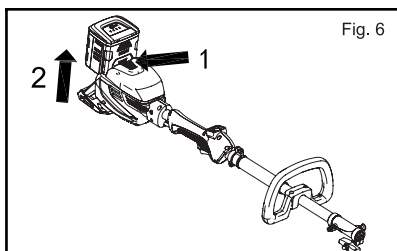
1. Uninstall the bolts on the auxiliary handle.
2. Install the auxiliary handle on the shaft and then tighten the bolts with nut and make sure the auxiliary handle is firmly secured in place.

## OPERATION

### Inserting and removing the battery pack

#### To insert the battery pack

1. Align the groove on the battery pack with the corresponding mounting ribs and press the battery pack down until you hear a "click".
2. Check to make sure the battery pack is firmly secured into position.



#### To remove the battery pack from the tool (See Fig. 6)

1. Depress the battery releasing/locking button on the housing.
2. The battery pack will pop up automatically.
3. Lift and hold the battery pack while pressing the releasing/locking button again, and then remove the battery pack.

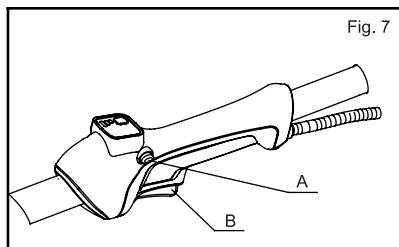
### ATTENTION: Battery Installation

**INSTALLATION:** Battery lock has 2 positions. Press down firmly until battery is fully inserted.

**REMOVAL:** Press release button once, hold battery firmly, press release button again, Pull battery out.

### Switching On/Off

**⚠ WARNING:** Before operating the unit, remove stones, loose pieces of wood and other objects from the cutting area.



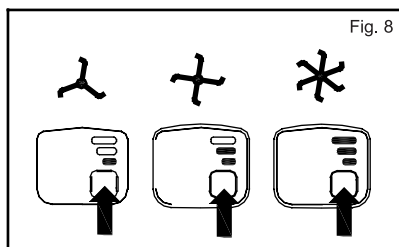
#### To switch ON(See Fig. 7)

1. Depress the safety lock button-A and squeeze the switch trigger-B at the same time.
2. Select your required speed setting by depressing the speed adjustment button.
3. Move your thumb away from the safety button.

#### To switch OFF

- Release the on/off trigger switch.

NOTE: Always switch off line trimmer before placing it down.



#### Speed adjustment (See Fig. 8)

This line trimmer has 3 speed settings which can be changed with a press of the button.

1. Ensure the line trimmer is switched ON.
2. Press the speed adjustment button and set to your desired cutting speed.
3. If the speed is set to the highest speed, press the speed adjust button again and this will reduce to the lowest speed.

### To Increase Line Length

1. The line trimmer comes with a full line spool.
2. The line will wear in use and you will need to feed out new line .
3. The cutting bump head allows the operator to release more line without stopping the motor. As line becomes frayed or worn, additional line can be released by tapping the bump knob on the ground while operating the line trimmer.

NOTE: For a good cutting performance. Cut high grass in stages. Starting from the tip.

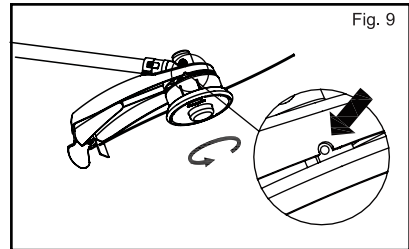
### Special notice for line trimmer use

1. For best results, do not cut wet grass because it tends to stick to the cutting head and guard, prevents proper discharge of grass trimmings, and could cause you to slip and fall.
2. Pay special attention when performing the work close to trees and bushes. The cutting head could damage sensitive bark, and damage fence posts.

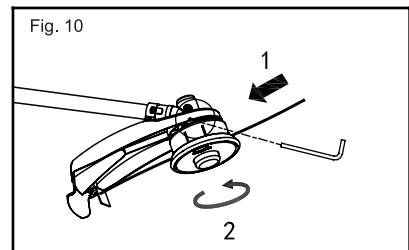
### Removing/replacing the cutting bump head

**⚠ WARNING:** Before performing any assembly, always ensure that the battery pack has been removed. If the nylon cutting line is broken and the nylon spool needs replacing.

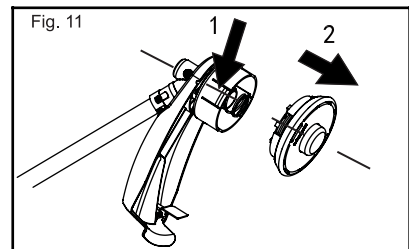
**⚠ WARNING:** wearing working gloves when doing any replacements.



1. Line up the safety spacer hole up with the hole on the side of guard. (See Fig. 9)



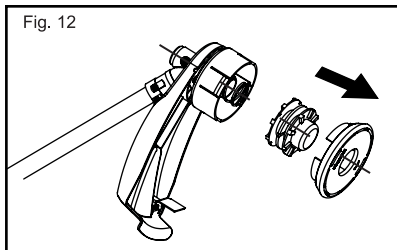
2. Place a small screw driver or metal rod in the spacer hole. (See Fig. 10)
3. Rotate the head clockwise to loosen and remove.
4. Reverse steps 1 - 3 to reinstall the same cutting bump head.
5. Make sure that the cutting head is securely located.



### Removing /replacing trimmer line

1. Press two release tabs simultaneously on the cutting bump head and pull the spool cover out. (See Fig.11)

Fig. 12



2. Remove the spool from the spool retainer, keep the spring in position. (See Fig.12). Clean any remaining line, dirt and debris, replace the spool if damaged.

Fig. 13

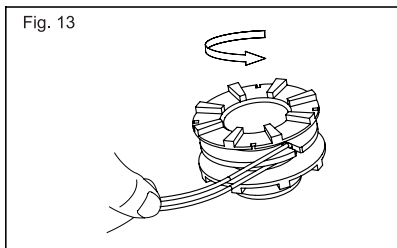
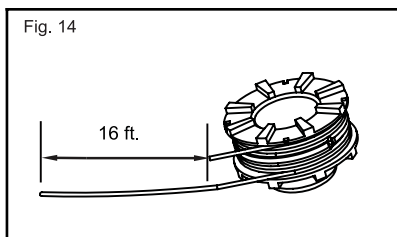


Fig. 14



3. Take approximately 4.9 m / 16 ft. of 2.4 mm / 0.095" diameter line and insert the midpoint into the slot bottom in the central rim of the spool. (See Fig.13 &14)
4. Wrap the line evenly and firmly around the spool as per the arrow-head direction (clockwise when tap button towards you) on both grooves.
5. Position the lines in the guide slots with 7.5~12.5 cm / 3~5" line left.
6. Insert the ends of the lines through

the line exit holes in the side of spool container.

7. Place the spool back into the spool container, make sure the spring is in position.
8. Reinstall the spool cover back and push it until cover snaps into place.

## STORING AND MAINTENANCE

**⚠ WARNING:** Before performing any repair work, always remove the battery pack and wait until the cutting line has come to a standstill!

1. Do not spray the line trimmer with water because it may destroy the battery pack and the electric motor.
2. Clean the unit with a cloth, hand brush, etc.
3. Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition;
4. Replace worn or damaged parts for safety.

### Storage:

Clean the exterior of the machine thoroughly using as of brush and cloth, Do not use water, solvents or polishes. Store the machine in a dry place. Do not place other objects on top of the machine.

### Transport

Use the original packaging to ship whenever possible.

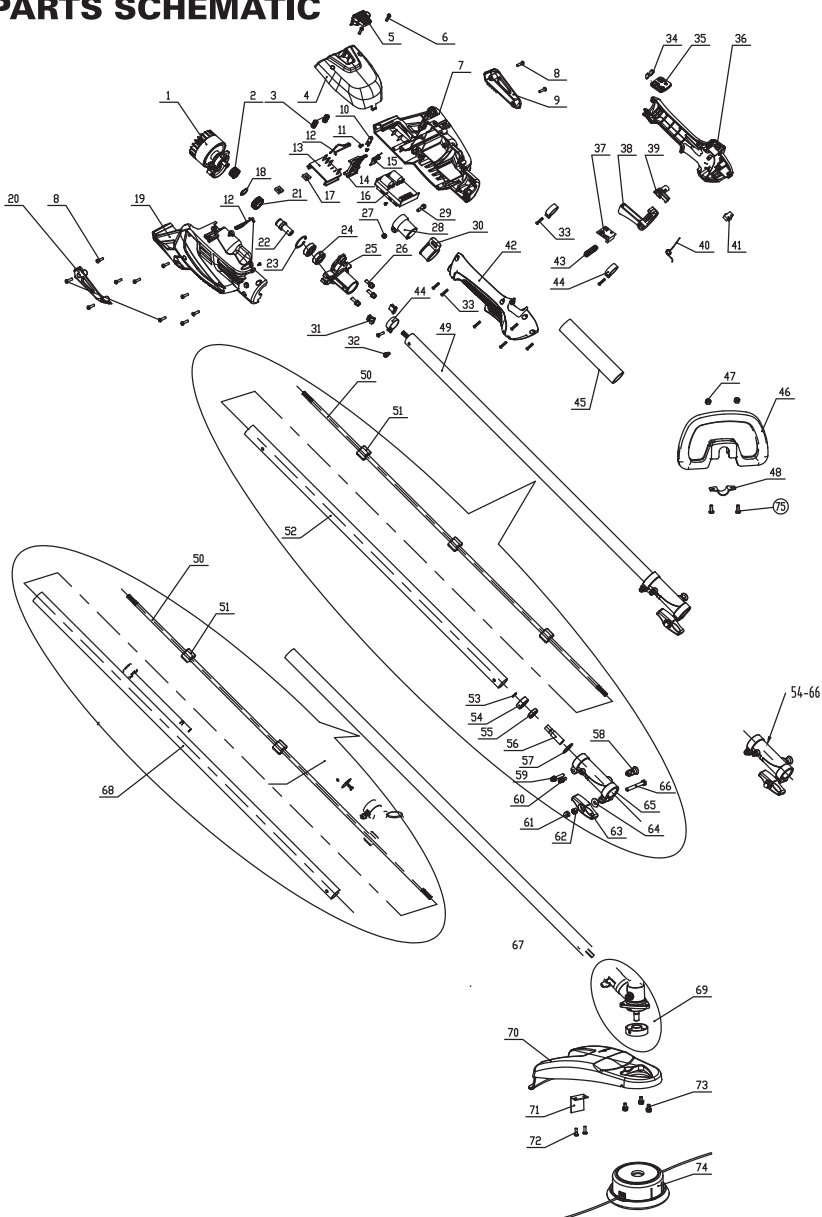


## TROUBLESHOOTING

**⚠ WARNING:** Before performing any repair work, always ensure that the battery pack/safety key has been removed and wait until the cutting head has stopped completely and the tool has cooled down.

**⚠ WARNING:** Always wear heavy duty gloves when adjusting or cleaning, especially when handling sharp objects.

Fault/malfunction	Cause	Remedy
Product does not start.	Battery discharged.	Remove and recharge the battery.
	The battery is not correctly located.	Remove the battery and reinstall into the product, check that it is securely locked in place.
	Device defective.	Contact service partner.
	Safety lock not depressed prior to starting.	Restart machine by firstly depressing the lock button and then depressing the switch trigger.
	Motor overload protection activated.	Wait 10 minutes and then restart the machine.
The tool is vibrating.	The guard is not fitted -resulting in too much line be extended.	Remove the battery pack and fit the guard.
	Bigger diameter cutting line being used.	Use correct cutting line dia - 2,4 mm / 0,095" (2 mm / 0,080" Compatible).
	The cutting head is bound up with grass.	Remove the battery pack and clean grass from the cutting head.
The trimmer will not advance line.	The spool is empty or there is NOT enough line on the spool.	STOP the trimmer – remove the battery pack and reload the spool with correct size /length of line..
	The line on the cutting head spool is twisted /tangled on the spool.	STOP the trimmer -remove the battery pack and check the spool line.
	Trimmer head is dirty.	STOP the trimmer -remove the battery pack and clean the cutting head.
Grass wrapped around cutting head.	Cutting too tall grass in one pass.	Recommend to cut smaller amounts of grass height -starting from the top and working downwards.
Line is not cutting.	Trimmer guard blade is worn.	Sharpen blade OR replace with new blade.

**PARTS SCHEMATIC**

## PARTS LIST



**WARNING:** When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the lawn trimmer.

Any attempt to repair or replace electrical parts on this lawn trimmer may create a safety hazard unless repairs are performed by a qualified technician.

Customer Service /Tech Support 833-818-4111.

No.	Part No.	Description	Qty.
1	1002785000	Brushless motor	1
2	1253402000	Driving gear	1
3	1350420000	Spring	2
4	1054488000	Top cover	1
5	1054490000	Push-button	1
6	2600295000	Screw M4X 14	2
7	1054484000	Left housing	1
8	2600524000	Self screw ST3.9X 16	13
9	1054491000	Left mat	1
10	1054493000	Limit pad	1
11	2600510000	Self screw ST2.9X8	1
12	1350424000	Spring	2
13	1002794000	Terminal assembly	1
14	1054489000	Battery locker	1
15	1350421000	Twist spring	1
16	2401208000	Main controller PCB	1
17	1252030000	Fixed block	2
18	2600689000	Clip 15	1
19	1054485000	Right housing	1
20	1054492000	Right mat	1
21	1253403000	Driven gear	1
22	1253404000	Inner spline shaft sleeve	1
23	2601260000	Retaining ring for bore 28	1
24	2600771000	Ball bearing 6001/P53-2RS	2
25	1150218000	Gearbox front cover	1
26	2800042000	Bolt with washer M5x16	3

No.	Part No.	Description	Qty.
27	2600139000	Self-locking nut M5	1
28	1052795000	Locking ring	1
29	2600202000	Hexagon socket head cap screw M5x16	1
30	1052785000	Hanging ring	1
31	1400235000	Rubber ,cushion	2
32	2600199000	Hexagon socket head cap screw M5x8	1
33	2600513000	ST screw	10
34	1052282000	Small button	2
35	1052281000	Control panel	1
36	1002897000	Left handle	1
37	2401206000	Display board	1
38	1052793000	Trigger	1
39	1052792000	Lock button	1
40	1350273000	Trigger spring	1
41	2400091000	Switch	1
42	1002898000	Right handle	1
43	1350393000	Spring	1
44	1252028000	Ring	2
45	1052804000	Foam	1
46	1054940000	Auxiliary handle	1
47	2600140000	Nut M6	2
48	1253753000	Press plate	1
49	1002795000	Transmission tube ASSY-Upper	1
50	1001743000	Drive shaft	2
51	1001744000	Support ASSY	6
52	1253416000	Tube-Upper	1
53	2600685000	Clip 10	1
54	1400193000	Rubber sleeve	1
55	2601179000	Ball bearing 61900-2RZ	1
56	1252547000	Splined Hub	1
57	1252548000	Washer	1
58	1001735000	Lower tube clamp assembly	1
59	2800055000	Bolt with washer M5x3Q	1
60	2800057000	Bolt with washer M5x14	1
61	2600147000	Acorn nuts M6	1
62	2600126000	Hex nut M6	1
63	1053499000	Knob	1

No.	Part No.	Description	Qty.
64	2600415000	Washer 6	1
65	1350339000	Tube, clamp	1
66	2601178000	Hexagon headed bolt M6x50	1
67	1001745000	Transmission tube ASSYBottom	1
68	1252551000	Tube-Bottom	1
69	1001233000	Gearbox assembly	1
70	1054394000	Guard	1
71	1253724000	Blade	1
72	2600532000	Screw	2
73	2601215000	Bolt with washer M5X   2	3
74	1052805000	Spool	1
75	2600214000	Bolt	2

## BATTERY PACK PRODUCT SPECIFICATIONS

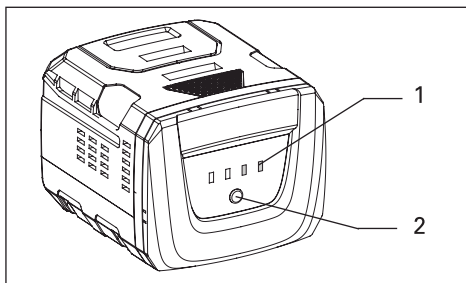
Voltage:	60 V d.c.
Capacity:	2.5 Ah

### PRODUCT FEATURES

1. Green LED lights
2. Indicator button

### INTENDED USE

The Benchmark 60v Lithium-Ion Battery Pack can only be matched for the Benchmark 60v Lithium-Ion Battery Charger.



## PRODUCT DESCRIPTION AND SPECIFICATIONS

**WARNING:** Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury. **Save these instructions for later use.** Use the battery pack only when you fully understand and can perform all functions without limitation, or have received appropriate instructions.

## SAFETY NOTES

1. Use only Benchmark 60V Li-ion battery charger. The Li-ion battery pack is not fully charged at the factory. Before attempting to use it, it must be fully charged first.
2. The battery pack should be recharged when it fails to produce sufficient power for the operation of the tool. **DO NOT CONTINUE** using product with its battery in a depleted condition.
3. Do not charge the battery in an air temperature below 32°F (0°C) or above 113°F (45°C). This is important and will prevent serious damage to the battery. Longest life and best performance can be obtained if the battery is charged when air temperature is about 68° F (20°C).
4. When the machine continues to be used and the battery temperature is above 113° F (45°C), the battery cannot be charged, even if you put it on the charger. Let the machine cool off before you charge it again.
5. Protect the battery pack against heat, e.g. including against continuous sun exposure and fire. There is a danger of explosion.
6. Do not carry individual battery packs in your pockets or bags, as they could short-circuit against other metal items.

7. If an exposed Li-ion battery pack does start a fire, it will burn even more violently if it comes into contact with water or even the moisture in the air. Do Not throw water on a burning Li-ion battery! A fire extinguisher must be used.

8. If the battery pack becomes too hot to the touch during charging, disconnect and switch off immediately. Contact service center directly.

9. Do not open the battery yourself. There is danger of a short circuit.

10. When the battery pack is not in use, keep it away from other metal objects like paperclips, coins, keys, nails, screws or other small metal objects, which can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.

11. This tool is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

12. Cleaning and user maintenance of the battery pack shall not be made by children without supervision.

13. Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

14. Do not use a battery pack or appliance that is damaged or modified. Damaged or modified batteries may exhibit unpredictable behavior resulting in fire, explosion or risk of injury.

15. Do not expose a battery pack or appliance to fire or excessive temperature. Exposure to fire or temperature above 130°C (266°F) may cause explosion. The temperature of 130°C can be replaced by the temperature of 266°F.

16. Follow all charging instructions and do not charge the battery pack or appliance 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.

17. Have servicing performed by a qualified repair person using only identical replacement parts. This will ensure that the safety of the product is maintained.

18. 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.

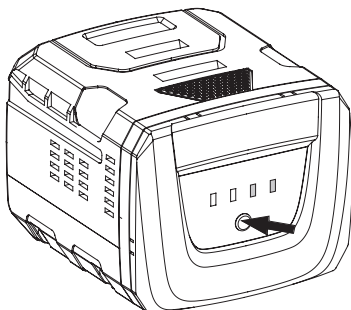


**WARNING:** Battery posts, terminals and related accessories contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## OPERATION

1. When you push the power indicator button, the green LED lights will show the power remaining.

2. Once the battery pack is correctly located in the charger, the 4 green LED lights of the battery pack will continuously be lit to indicate the charging process. At the same time the green LED light of the charger will flash continuously during normal charging.



## TO OBTAIN THE BEST LIFE FROM THE BATTERY

- Avoid the battery from discharging completely. If the battery is to be unused for a long period, charge it to 80% capacity at least before storage.
  - Avoid carrying out short battery charges. Make sure that the battery is fully charged every time by allowing the charger to complete its full charging cycle.
  - Avoid allowing loose items like screws or nails etc. to be stored with battery packs as these or similar items can make the battery packs short-circuited which causes a fire or explosion.
  - Always unplug the charger when not in use and store in a dry secure place.
- Avoid charging or storing your battery in temperatures below 32°F (0°C) and above 113°F (45°C).
- Cool down hot battery pack from a just-operated tool for approximately 30 minutes before attempting to recharge.
  - Do not store batteries in a garage or shed over the winter as it will damage battery life.

## MAINTENANCE AND SERVICE







- Occasionally clean the battery using a soft, clean and dry brush.

## DISPOSAL

Battery packs, accessories and packaging should be sorted for environmentally-friendly recycling. Do not dispose of battery chargers into household waste!



## SAFETY SYMBOLS

	Read this manual and thoroughly understand and familiarize yourself with this product before using it.
	Batteries contain Li-ion. Dispose of the battery according to your municipal guidelines.
	Do not put into water.
	Do not put into fire.
	Do not subject the battery to sunlight over long periods and do not leave it on a heater (max. 113°F or 45°C).
	Do not expose or operate the tool in rain.

## NOTICE

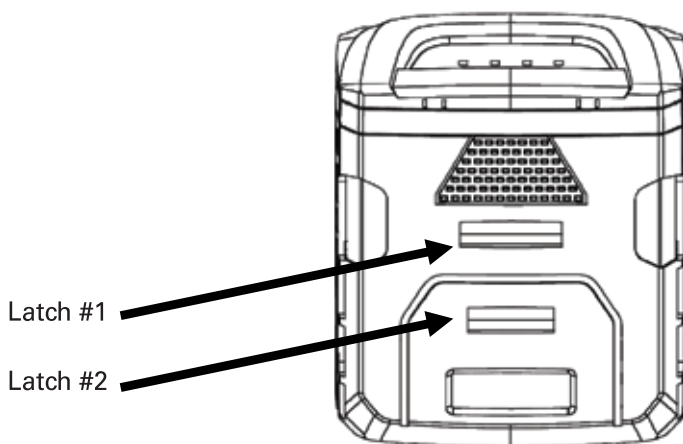
This Hand-held tool has a 2-step battery latch.

### INSTALLATION:

The battery latch has 2 positions. Press down firmly until the battery is fully inserted. If the battery is not fully inserted and secured in the deepest position #2 the tool will not run.

### REMOVAL:

Press the release button once, the battery will release from the first latch position. Then hold the battery firmly, press the release button again and pull the battery out.



## BATTERY CHARGER PRODUCT SPECIFICATIONS

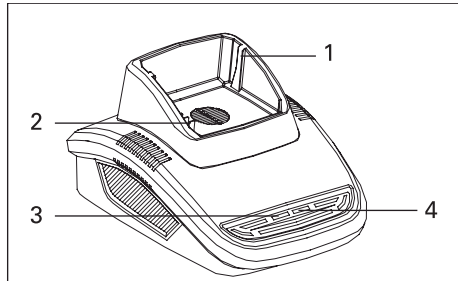
Input:	100-240 V, 50/60 Hz
Output:	63 V d.c. 2.5 A

### PRODUCT FEATURES

1. Battery pack guide groove
2. Battery pack connect terminals
3. Green LED indicator
4. Red LED indicator

### INTENDED USE

The Benchmark 60v Lithium-Ion Battery Charger can only be matched for the Benchmark 60v Lithium-Ion Battery Pack.



## PRODUCT DESCRIPTION AND SPECIFICATIONS



### WARNING! IMPORTANT SAFETY INSTRUCTIONS

1. **SAVE THESE INSTRUCTIONS**—This manual contains important safety and operating instructions for battery charger.
2. Before using battery charger, read all instructions and cautionary markings on battery charger, battery, and product using battery.
3. **CAUTION**—To reduce risk of injury, charge only Benchmark 60v Lithium-Ion Batteries. Other types of batteries may burst causing personal injury and damage.

## SAFETY NOTES

1. Use only Benchmark 60v Lithium-Ion battery pack. Do not use the original charger on other Li-ion batteries or on any other type of battery—fire or explosion may occur.
2. Check the battery charger, cable and plug each time before using. Do not use the battery charger when defects are detected. Do not open the battery charger yourself and have it repaired only by qualified personnel using original spare parts.
3. The charger is designed to use standard household 100-240 V~50/60Hz power source. The charger's plug must match the outlet. Never modify the plug in anyway. Unmodified plugs and matching outlets will reduce risk of electric shock.
4. Do not abuse the cord charger. Never use the cord for carrying, pulling or unplugging the charger. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.

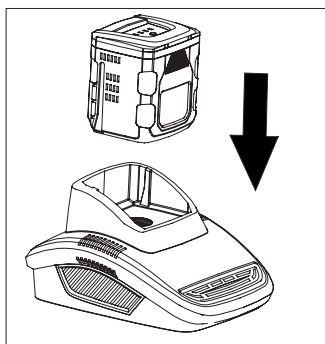
5. Make sure the charger cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
6. Keep the battery charger clean. Contamination may cause the danger of electric shock.
7. Protect the battery charger away from rain and moisture. The penetration of water in a battery charger increases the risk of electric shock.
8. Do not operate the battery charger on easily inflammable surfaces (e.g. paper, textiles, etc.) or in combustible environments. There is danger of fire due to the heating of the battery charger during charging.
9. The temperature range over which the battery pack can be charged is typically from 32°F (0°C) to 113°F (45°C). Therefore, charging efforts outside the prescribed temperature range may automatically be blocked by the protection circuitry of the battery pack. Longest life and best performance can be obtained if the battery pack is charged in the normal room condition.
10. Disconnect charger from the power supply when not in use. This will reduce the risk of electric shock or damage to the charger if metal items should fall into the opening.
11. This tool is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.  
Children should be supervised to ensure that they do not play with the appliance.
12. Cleaning and user maintenance of the battery charger shall not be made by children without supervision.

**!** **WARNING:** Charger terminals and related accessories may contain lead and lead compounds, chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Wash hands after handling. For more information, go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

## OPERATION

### NOTE:

- A new battery pack is supplied partially charged. To ensure the best performance, charge the battery completely before first use.
- Make sure the main voltage is the same as rating label which is located on the charger.
- Remove the battery pack from the charger after it has been fully charged.



1. Connect the charger to a power supply, the red and green LED lights will flash alternately for about 2 seconds. And then the red LED light on the charger will be on.
2. To insert the battery pack into the charger, align the grooves on the battery pack with the raised ribs in the opening of the charger. Then press the battery pack downward with a moderate force.
3. Once the battery pack is correctly located in the charger, the green LED light of the charger will flash continuously during normal charging.
4. When charging is complete, green LED light of the charger will be on.
5. If you encounter one of following kind of situations, the red LED light of charger will flash.
  - Wrong communication. It refers to poor connection between charger and battery pack.
  - Faulty with battery pack. The battery pack need to be repaired by the customer service center.
6. The charger has over-temperature protection. When the red and green LEDs flash alternately for more than 3 seconds, please wait until the red LED lights up, and then the charger resumes normal work.







## **MAINTENANCE AND SERVICE**

- Occasionally clean the charger using a soft, clean and dry brush.

## **DISPOSAL**

Battery chargers, accessories and packaging should be sorted for environmentally-friendly recycling. Do not dispose of battery chargers into household waste!

## SAFETY SYMBOLS

	Read this manual and thoroughly understand and familiarize yourself with this product before using it.
	The charger is for indoor use only.
	Double insulation.
	Protective 4A limited.
	Protective 5A limited.
	Do not expose or operate the tool in rain.

## TROUBLESHOOTING

<b>FAULT/MALFUNCTION</b>	<b>CAUSE</b>	<b>REMEDY</b>
Battery pack can not be charged.	Battery not properly inserted.	Properly insert battery pack into charger till the red LED lights on.
	Battery contacts contaminated.	Clean the battery contacts or replace the battery pack.
	Battery pack defective.	Replace a new battery pack.
Charger has no response when the power is on.	Main plug of battery charger not plugged in properly.	Insert main plug fully into the power socket.
	Power socket, main cable or battery charger defective.	Check the main voltage; have the battery charger checked by an authorized after-sales service or qualified agent.

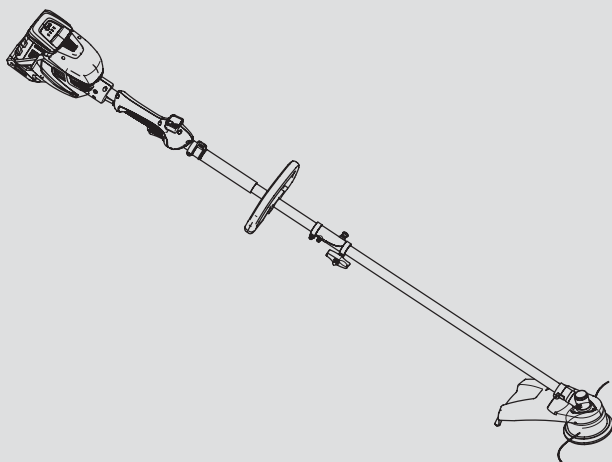
## **WARRANTY**

### **BENCHMARK BRUSHLESS LAWN TRIMMER WARRANTY**

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, it has a five-year repair warranty with the original bill of sale. Three years for battery and charger.

This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs and/or batteries. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

# BRUSHLESS LAWN TRIMMER OWNER'S MANUAL



60 V MAX • 2.5 AH

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