



说明书材质要求： 105g 有光铜版纸	说明书成品尺寸： 105*143mm
第一：专色用 6级防晒油墨 +CMYK油墨要求： 1.PANTONE137C专色油墨（ 专色用6级防晒油墨 ）： 如果自己配色，油墨配比为：酒联中黄（ 防晒 ）2000g 酒联金红（ 防晒 ）225g 2.C色油墨：酒联天蓝墨 3.M色油墨：酒联金红墨 4.Y色油墨：pantone123C专色油墨 5.K色油墨：酒联黑墨	第二：特别注意： 1.印刷时看样请参考我司提供的实物样品颜色。不得偏色 2.137C的专色 不得 参考C=0,M=35,Y=90,K=0对应的四色 色谱颜色来看样印刷 Pantone 137C Black（两色印刷）
折叠方式： 骑马钉 （ 20P以上用骑马钉 ） 特殊情况：16P/20P：风琴折 + 对折	备注：

特别注意：此页内容不印刷

风琴折 + 对折 页面顺序

16P 页面顺序

9	10	11	封面
12	13	14	封底

1	2	3	4
5	6	7	8

20P 页面顺序

11	12	13	14	封面
15	16	17	18	封底

1	2	3	4	5
6	7	8	9	10

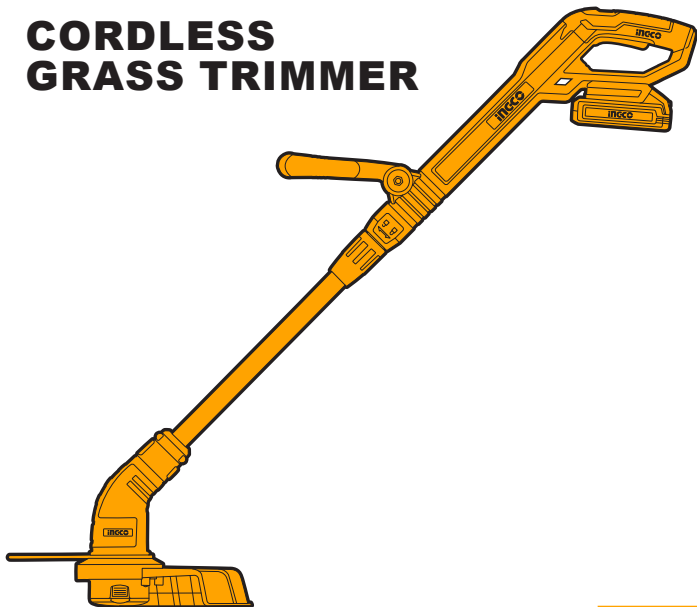
更改记录	1. 改word版本			1. 更新线稿电池包，更新电池包页面			1. 更新噪音值和电池包页面		
	0723.V10	2023.7.27	CH	1124.V11	2024.11.19	QQY	1125.V12	2025.11.7	Kiko
	版本号	日期	设计师	版本号	日期	设计师	版本号	日期	设计师

INGCO

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PRODUCT MANUAL

CORDLESS GRASS TRIMMER



CGTLI20018 CGTLI20301 CGTLI20301H UCGTLI20301
CGTLI20018xy CGTLI20301xy UCGTLI20301xy
x(blank,1,2,3,4,5,6,7,8,9,E,S,A,M)
y(blank,-1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)



GENERAL POWER TOOL SAFETY WARNINGS

⚠ WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. *Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.*

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

1) Work area safety

- a) **Keep work area clean and well lit.** *Cluttered or dark areas invite accidents.*
- b) **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.*
- c) **Keep children and bystanders away while operating a power tool.** *Distractions can cause you to lose control.*

2) Electrical safety

- a) **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.*
- b) **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.*
- c) **Do not expose power tools to rain or wet conditions.** *Water entering a power tool will increase the risk of electric shock.*
- d) **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.*
- e) **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.*
- f) **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.*

3) Personal safety

- a) **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.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **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.*
- d) **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.*
- e) **Do not overreach. Keep proper footing and balance at all times.** *This enables better control of the power tool in unexpected situations.*
- f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair and clothing away from moving parts.** *Loose clothes, jewellery or long hair can be caught in moving parts.*
- g) **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.*
- h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** *A careless action can cause severe injury within a fraction of a second.*

4) Power tool use and care

- a) **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.*
- b) **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.*
- c) **Disconnect the plug from the power source and/or remove the battery**

pack, if detachable, 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.*

- d) **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.*
- e) **Maintain power tools and accessories. 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.*
- f) **Keep cutting tools sharp and clean.** *Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.*
- g) **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.*
- h) **Keep handles and grasping surfaces dry, clean and free from oil and grease.** *Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.*

5) Battery tool use and care

- a) **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.*
- b) **Use power tools only with specifically designated battery packs.** *Use of any other battery packs may create a risk of injury and fire.*
- c) **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.*
- d) **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.*

- e) **Do not use a battery pack or tool that is damaged or modified.** *Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.*
- f) **Do not expose a battery pack or tool to fire or excessive temperature.** *Exposure to fire or temperature above 130 °C may cause explosion.*
- g) **Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** *Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.*

6) Service

- a) **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.*
- b) **Never service damaged battery packs.** *Service of battery packs should only be performed by the manufacturer or authorized service providers*

BATTERY TOOL SAFETY WARNINGS

Save these instructions.

⚠ CAUTION

Only use genuine original batteries. *Use of non-genuine batteries, or batteries that have been altered, may result in the battery bursting causing fires, personal injury, and damage. It will also void the warranty for the tool and charged and dark areas invite accidents.*

⚠ WARNING

- a) **Do not dismantle, open or shred secondary cells or batteries.**
- b) **Keep batteries out of the reach of children.** *Battery usage by children should be supervised. Especially keep small batteries out of reach of small children.*
- c) **Seek medical advice immediately if a cell or a battery has been swallowed.**
- d) **Do not expose cells or batteries to heat or fire.** *Avoid storage in direct sunlight.*
- e) **Do not short-circuit a cell or a battery.** *Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.*
- f) **Do not remove a cell or battery from its original packaging until required for use.**
- g) **Do not subject cells or batteries to mechanical shock.**
- h) **In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes.** *If contact has been made, wash the affected area with copious amounts of water and seek medical advice.*
- i) **Do not use any charger other than that specifically provided for use with the equipment.**
- j) **Observe the plus (+) and minus (-) marks on the cell, battery and equipment and ensure correct use.**
- k) **Do not use any cell or battery which is not designed for use with the equipment.**
- l) **Do not mix cells of different manufacture, capacity, size or type within a device.**
- m) **Always purchase the battery recommended by the device manufacturer for the equipment.**
- n) **Keep cells and batteries clean and dry.**
- o) **Wipe the cell or battery terminals with a clean dry cloth if they become**

dirty.

- p) Secondary cells and batteries need to be charged before use.** *Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.*
- q) Do not leave a battery on prolonged charge when not in use.**
- r) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries times to obtain maximum performance.**
- s) Retain the original product literature for future reference.**
- t) Use the cell or battery only in the application for which it was intended.**
- u) When possible, remove the battery from the equipment when not in use.**
- v) Dispose of properly.**

Tips for maintaining maximum battery life

- a) Charge the battery cartridge before completely discharged.** *Always stop tool operation and charge the battery cartridge when you notice less tool power.*
- b) Never recharge a fully charged battery cartridge.** *Overcharging shortens the battery service life.*
- c) Charge the battery cartridge with room temperature at 10°C-40°C (50°F-104°F).** *Let a hot battery cartridge cool down before charging it.*
- d) Charge the battery cartridge if you do not use it for a long period (more than six months).**

Important safety instructions for battery cartridge

- 1. Before using battery cartridge, read all instructions and cautionary markings on battery charger, battery, and) product using battery.**
- 2. Do not disassemble battery cartridge.**
- 3. If operating time has become excessively shorter, stop operating immediately.** *It may result in a risk of overheating, possible burns and even an explosion.*
- 4. If electrolyte gets into your eyes, rinse them out with clear water and seek medical attention right away.** *It may result in loss of your eyesight.*
- 5. Do not short the battery cartridge:**
 - a) Do not touch the terminals with any conductive material.**
 - b) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.**

- c) *Do not expose battery cartridge to water or rain.*
- d) *A battery short can cause a large current flow, overheating, possible burns and even a breakdown.*
- 6. **Do not store the tool and battery cartridge in locations where the temperature may reach or exceed 50°C (122°F).**
- 7. **Do not incinerate the battery cartridge even if it is severely damaged or is completely worn out. The battery cartridge can explode in a fire.**
- 8. **Be careful not to drop or strike battery.**
- 9. **Do not use a damaged battery.**
- 10. **Follow your local regulations relating to disposal of battery.**

Tool / battery protection system

The tool is equipped with a tool/battery protection system. This system automatically cuts off power to the motor to extend tool and battery life. The tool will automatically stop during operation if the tool or battery is placed under one of the following conditions:

Overload protection

When the battery is operated in a manner that causes it to draw an abnormally high current, the tool automatically stops without any indication. In this situation, turn the tool off and stop the application that caused the tool to become overloaded. Then turn the tool on to restart.

Overheat protection

When the tool/battery is overheated, the tool stops automatically. In this situation, let the tool/battery cool before turning the tool on again.

Transportation

Batteries comply with all applicable shipping regulations as prescribed by industry and legal standards (for more information, check with the manufacturer).

Transporting batteries can possibly cause fire if the battery terminals inadvertently come in contact with conductive materials. When transporting batteries, make sure that the battery terminals are protected and well insulated from materials that could contact them and cause a short circuit.

The information provided in this section of the manual is provided in good faith and believed to be accurate at the time the document was created. However, no warranty, expressed or implied, is given. It is the buyer's responsibility to ensure

that its activities comply with the applicable regulations.

Protecting the environment

Separate collection. This product must not be disposed of with normal household waste.

Should you find one day that your product needs replacement, or if it is of no further use to you, do not dispose of it with household waste. Make this product available for separate collection.

Separate collection of used products and packaging allows materials to be recycled and used again. Re-use of recycled materials helps prevent environmental pollution and reduces the demand for raw materials.

Local regulations may provide for separate collection of electrical products from the household, at municipal waste sites or by the retailer when you purchase a new product.

Rechargeable battery pack

This long-life battery pack must be recharged when it fails to produce sufficient power on jobs which were easily done before. At the end of its technical life, discard it with due care for our environment:

- *Run the battery pack down completely, then remove it from the tool.*
- *Lithium-ion cells are recyclable. Take them to your dealer or a local recycling station. The collected battery packs will be recycled or disposed of properly.*

THE SYMBOLS IN INSTRUCTION MANUAL

	Read the instruction manual before using.
	CE conformity.
	Safety alert. Please only use the accessories supported by the manufacturer.
	Wear safety glasses, hearing protection and dust mask.
	The operator of the machine must ensure, while working, that no persons or animals come closer than 15 meters (50ft)
	Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.
	Danger be aware of thrown objects.
	Keep bystanders away.
	Do not expose to rain.
	Direct current.
	Noise emission to the environment according to the European Community's Directive The machine's emission is specified in the Technical data chapter and on the label.

 Li-Ion	This product must be deposited at an appropriate recycling facility (Applies to Europe only)
	Fail-safe transformer
	Use and store battery charger only indoors.
	Double insulated for additional protection.

ADDITIONAL SAFETY WARNING

WARNING

This machine produces an electromagnetic field during operation. This field may under some circumstances interfere with active or passive medical implants. To reduce the risk of serious or fatal injury, we recommend persons with medical implants consult their physician and the medical implant manufacturer before operating this machine.

WARNING

Never allow children to use or be in the vicinity of the machine. Since the machine is easy to start, children may be able to start it if they are not kept under full surveillance. This can mean a risk of serious personal injury. Therefore disconnect the battery when the machine is not under close supervision.

Personal protective equipment

WARNING

Listen out for warning signals or shouts when you are wearing hearing protection. Always remove your hearing protection as soon as the motor stops.

IMPORTANT

A grass trimmer can be dangerous if used incorrectly or carelessly, and can cause serious or fatal injury to the operator or others. It is extremely important that you read and understand the content of this operator's manual.

1. Dress Properly. The clothing worn should be functional and appropriate, i.e. it should be tight-fitting but not cause hindrance. Do not wear either jewelry or clothing which could become entangled with bushes or shrubs. Wear protective hair covering to contain long hair.
2. In order to avoid either head, eye, hand or foot injuries as well as to protect your hearing the following protective equipment and protective clothing must be used during operation of the equipment.
3. Always wear a helmet where there is a risk of falling objects. The protective helmet is to be checked at regular intervals for damage and is to be replaced

at the latest after 5 years. Use only approved protective helmets.

4. The visor of the helmet (or alternatively goggles) protects the face from flying debris and stones. During operation of the equipment always wear goggles, or a visor to prevent eye injuries.
5. Wear adequate noise protection equipment to avoid hearing impairment (ear muffs, ear plugs etc.).
6. The work overalls protect against flying stones and debris. It is strongly recommended that the user wears work overalls.
7. Special gloves made of thick leather are part of the prescribed equipment and must always be worn during operation of the equipment.
8. When using the equipment, always wear sturdy shoes with a nonslip sole. This protects against injuries and ensures a good footing.
9. Wear clothes made of a strong fabric and avoid loose clothing that can catch on twigs and branches. Always wear heavy, long pants. Do not wear jewelry, shorts sandals or go barefoot. Secure hair so it is above shoulder level.

Electrical and battery safety

1. Avoid dangerous environment. Don't use the equipment in damp or wet locations or expose it to rain. Water entering the equipment will increase the risk of electric shock.
2. 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.
3. Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
4. 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.
5. 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.
6. Do not dispose of the battery in a fire. The cell may explode. Check with local codes for possible special disposal instructions.

7. Do not open or mutilate the battery. Released electrolyte is corrosive and may cause damage to the eyes or skin. It may be toxic if swallowed.
8. Do not short the battery cartridge:
 - 1) Do not touch the terminals with any conductive material.
 - 2) Avoid storing battery cartridge in a container with other metal objects such as nails, coins, etc.
 - 3) Do not expose battery cartridge to water or rain. A battery short can cause a large current flow, overheating, possible burns and even a breakdown

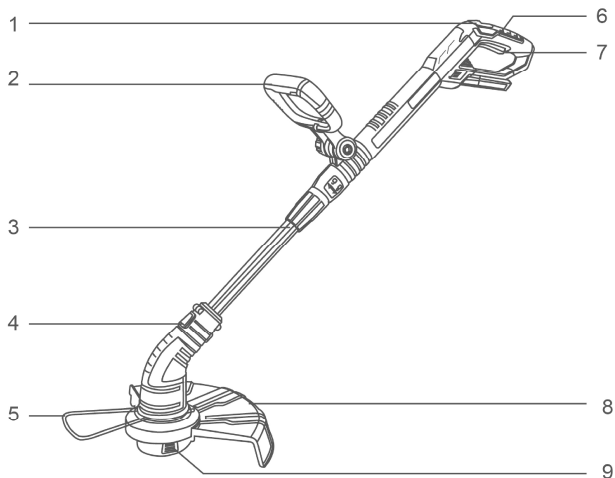
Save these instructions

Tips for maintaining maximum battery life.

1. Charge the battery cartridge before completely discharged. Always stop tool operation and charge the battery cartridge when you notice less tool power.
2. Never recharge a fully charged battery cartridge. Overcharging shortens the battery service life.
3. Charge the battery cartridge with room temperature at 5°C-40°C (41 °F-104 °F) . Let a hot battery cartridge cool down before charging it.
4. When not using the battery cartridge, remove it from the tool or the charger.
5. **Charge the battery cartridge if you do not use it for a long period (more than six months).**

SPECIFIED CONDITIONS OF USE

The cordless grass trimmer is only intended for cutting grass, and weeds. It should not be used for any other purpose such as hedge cutting as this may cause injury.

SPECIFICATIONS

- 1. Lock off button
- 2. Adjustable front handle
- 3. Telescoping boom coupler
- 4. Edger shift button
- 5. Flower guard

- 6. Rear handle
- 7. Trigger switch
- 8. Grass guard
- 9. Trimmer head

Know your grass trimmer

The safe use of this product requires an understanding of the information on the tool and in this operator's manual as well as a knowledge of the project you are attempting. Before use of this product, familiarize yourself with all operating features and safety rules.

Flower guard

The easily mounted flower guard protects flowers from being cut.

Front handle

The grass trimmer is equipped with a front handle assembly for ease of operation and to prevent loss of control.

Trimmer / edger shift button

Press this button and rotate the head 180° to adjust the tool between trimmer and edger.

Telescoping boom

The grass trimmer can be adjusted to different extension points for ease of use.

Trigger switch

The switch trigger, located beneath the rear handle, and the lock-off button, located behind the auxiliary handle, must be depressed simultaneously to allow blade rotation.

Technical data

Motor type	PMDC
Speed of output shaft, min	8200
Cutting width, mm	300mm(12")

Sound levels

Sound pressure level, measured according to EN60335-1 and EN50636-2-91, dB(A): 76.1 K=3

Sound power level, measured according to ISO22868, dB(A): 92.8 K=3

Guaranteed Sound power level, dB(A): 96

Vibration levels

Vibration levels at handles, measured according to ISO 22867, m/s² front/rear handles.

⚠ WARNING!

Only use original battery pack and battery charger as below for this power tool:

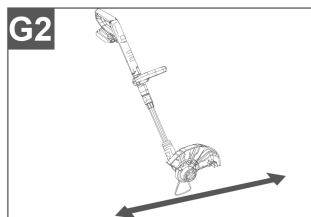
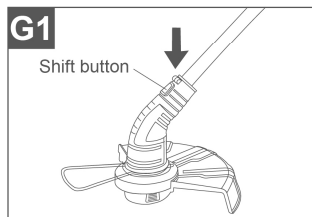
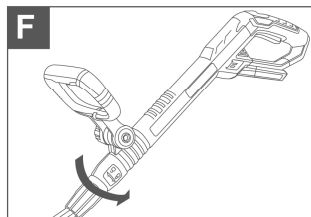
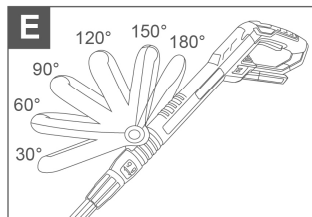
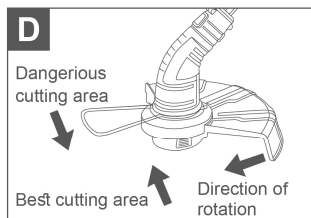
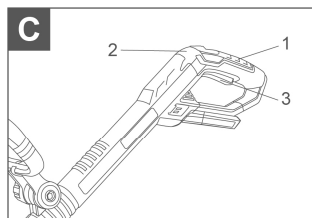
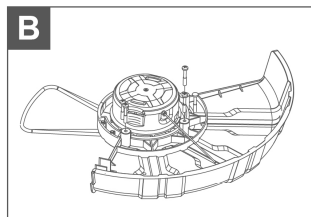
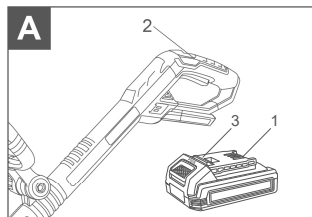
Product	Battery pack		
Model No.	Type	Rated voltage	Rated capacity
FBLI2001 FBLI2001xy	Lithium-Ion	18.5V d.c., 20V Max	2.0Ah
FBLI2002 FBLI2002xy			4.0Ah
FBLI2003 FBLI2003xy			5.0Ah

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

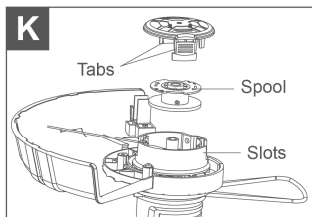
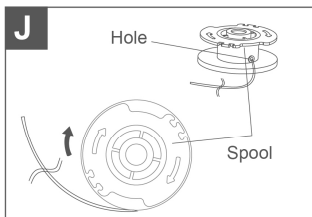
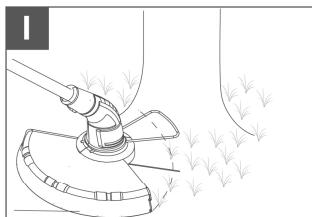
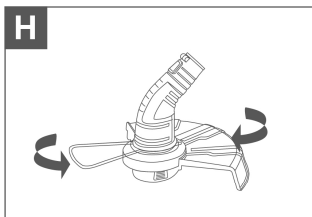
Product	Battery pack charger			
Model No.	Input power	Input voltage	Output rated voltage	Output rated current
FCLI2001 FCLI2001xy	50W	220-240V ~50/60Hz	20V d.c.	2A
FCLI2001-9		100-240V ~50/60Hz		
UFCLI2001 UFCLI2001xy		110-120V ~50/60Hz		
FCLI20411 FCLI20411xy FCLI2034 FCLI2034xy	105W	220-240V ~50/60Hz	21V d.c.	4A
FCLI20411-9 FCLI2034-9		100-240V ~50/60Hz		
UFCLI20411 UFCLI20411xy UFCLI2034 UFCLI2034xy		110-120V ~50/60Hz		

Model No. NOTE: x (blank, 1,2,3,4,5,6,7,8,9,E,S,A,M); y (blank, -1,-2,-3,-4,-5,-6,-7,-8,-9,E,S,A,M)

OPERATION PICTURE



OPERATION PICTURE



OPERATON

Assembly instruction

Battery

IMPORTANT

The battery pack is not charged when it is purchased. Before using the hedger for the first me, place the battery pack in the battery charger and charge. Make sure to read all safety precautions, and follow the instructions in the Battery Charger section.

To remove the battery (see Figure A):

1. Slide the latch button on the battery pack down (3) and hold.
2. Grasp the trigger handle (2) firmly. Pull the battery pack out of the handle.

NOTE

The battery pack fits snugly into the handle to prevent accidental dislodging. It may require a strong pull to remove.

To install the battery (see Figure A):

1. Align the tongue (1) of the battery pack with the cavity in the handle housing.
2. Grasp the trigger handle (2) firmly.
3. Push the battery pack into the handle until the latch locks into place.

WARNING

Follow these instructions in order to avoid injury and to reduce the risk of electric shock or fire

Replace the battery pack or the charger immediately if the battery case or charger cord is damaged.

Verify that the switch is in the OFF position before inserting or removing the battery pack.

Verify that the battery pack is removed and the switch is in the OFF position before inspecting, adjusting, or performing maintenance on any part of the trimmer.

Read, understand, and follow the instructions contained in the section entitled Charging Procedure.

Unpacking

- This product requires assembly.
- Carefully remove the product and any accessories from the box. Make sure

that all items listed in the packing list are included.

- Inspect the product carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the product.

WARNING

If any parts are damaged or missing, do not operate this product until the parts are replaced.

Failure to heed this warning could result in serious personal injury.

WARNING

Never use the tool without properly fitted guard.

Attaching grass guard (See Figure B)

Three screws should be used to hold the protective cover in the specified position.

Attaching front handle

Starting/stopping the trimmer (See Figure C)

The Grass trimmer has one switches controls and a lock-OFF button used together to prevent accidental start-ups or injury.

1. Place one hand on the trigger handle (1). Place the other hand on the Adjustable front handle.
2. Press the lock-OFF button (2) and hold.
3. Squeeze the trigger switch (3). The grass trimmer will turn ON.
4. Release the lock-OFF button. The grass trimmer will stay on as long as the trigger handle the trigger switch are squeezed ON.
5. The grass trimmer will stop if you release the trigger handle.

Follow these tips when using the grass trimmer:

- Hold the trimmer with your right hand on the rear handle and your left hand on the front handle.
- Keep a firm grip with both hands while in operation
- Trimmer should be held at a comfortable position with the rear handle about hip height.

- Cut tall grass from the top down. This will prevent grass from wrapping around the shaft housing and grass head

If grass becomes wrapped around the grass head:

- Stop the trimmer.
- Remove the battery.
- Remove the grass.

** WARNING**

Always hold the grass trimmer away from the body keeping clearance between the body and the grass trimmer. Any contact with the grass trimmer cutting head while operating can result in serious personal injury.

Advancing the line** NOTE**

The trimmer is equipped with an auto-feed head. Bumping the head to try to advance the line will damage trimmer and void warranty.

- With the trimmer running, release the switch trigger.
- Wait two seconds, and press the switch trigger.

** NOTE**

The grass will extend approximately 1/4 in. with each stop and start of the switch trigger until the grass reach the length of the grass deflector blade.

- Resume trimming

Advancing the line manually

Remove the battery, then push the spool retainer button in while pulling on the line to manually advance the line.

Cut off blade

This trimmer is equipped with a cut-off blade on the grass guard. For best cutting, advance grass until they are trimmed to length by the cut-off blade. Advance grass whenever you hear the engine running faster than normal, or when trimming efficiency diminishes. This will maintain best performance and keep grass long enough to advance properly.

Cutting tips (See Figure D)

- Keep the trimmer tilted toward the area being cut; this is the best cutting area.
- The grass trimmer cuts when passing the unit from left to right. This will avoid throwing debris at the operator. Avoid cutting in the dangerous area shown in figure 8.

Use the tip of the grass to do the cutting; do not force grass head into uncut grass.

- Wire and picket fences cause extra grass wear, even breakage. Stone and brick walls, curbs, and wood may wear grass rapidly.
- Avoid trees and shrubs. Tree bark, wood moldings, siding, and fence posts can easily be damaged by the grass.

Adjust the front handle (See Figure E)

The angle of the front handle can be adjusted upwards in 2 stage from 30° (straight) to 90°, and downwards in 3 stage from 90° to 150°. There are therefore 5 possible working positions.

Adjust the length of the shaft (See Figure F)

Loosen the coupler (clockwise rotate) and telescope or stretch the proper length, then tighten the coupler (anticlockwise rotate).

Edging (See Figure G)

Remove the battery. Hold the front handle and press the shift button and clockwise rotate the trimmer head 180° then fix the trimmer head.

Working with flower guard (See Figure H)

WARNING

The trimmer head may continue to rotate briefly after you switch off the string trimmer. Wait for the trimmer head to come to a complete stop before adjusting the flower guard. Do not adjust it with your foot.

The flower guard can limit the cutting range of the cutting line and reduce the risk of the rotating cutting line causing damage.

Trimmer line replacement (See Figure I-J)

- Remove the battery.

- Remove the spool from the grass head.

⚠ NOTE

Remove any old trimmer line remaining on the spool.

Use only 1.6mm diameter nylon trimmer line. Use original manufacturer's replacement grass trimmer line for best performance.

- Inset the new nylon cord into the hole in the spool, then wind the string around the spool in the direction as shown by the arrows on the spool.

After winging the trimmer line, there should be at least 6in. between the wound line and the outside edge of the spool.

- Feed the grass through the eyelets to come out of the housing.
- Replace the plastic retainer, spool, and the spool retainer.
- Reinstall the spool retainer by depressing tabs into slots and pushing down until spool retainer clicks into place.

Spool replacement (See Figure K)

- Remove the battery.
- Push in tabs on side of spool retainer.
- Pull spool retainer up to remove.
- Remove spool.
- To install the new spool, make sure the trimmer line is captured in the slots opposite on the new spool.
- Install the new spool so that the trimmer line and slots align with the eyelets in the grass head. Thread the trimmer line into the eyelets.
- Pull the trimmer line extending from the grass head so the grass releases from the slots in the spool.
- Reinstall the spool retainer by depressing tabs into slots and pushing down until spool retainer clicks into place.

Storing the trimmer

- Open telescoping boom coupler and set at shortest setting.
- Clean all foreign material from the trimmer.
- Store it in a place that is inaccessible to children.
- Keep away from corrosive agents such as garden chemicals and de-icing salts.

Maintenance

WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

WARNING

Before inspecting, cleaning or servicing the unit, stop the motor, wait for all moving parts to stop, and remove the battery. Failure to follow these instructions can result in serious personal injury or property damage.

WARNING

Always wear safety goggles or safety glasses with side shields that comply with ANSI Z87.1 standard in the USA or EN166 in EU countries during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

General maintenance

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

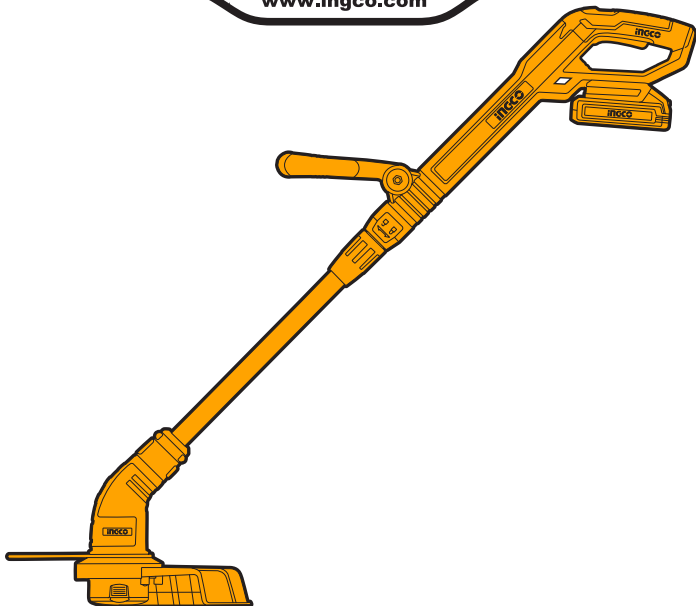
WARNING

Do not at any time let break fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken, or destroy plastic, which may result in serious personal injury. Periodically, clean all foreign material from the trimmer head vents. You can often make repairs described here. For other repairs, have the trimmer serviced by an authorized service dealer.

MAINTENANCE&MALFUNCTIONS

Troubleshooting table

Problem	Possible Cause	Solution
Grass line will not advance when using the Auto Feed Head:	1.Grass line are welded to themselves. 2.Not enough grass line on spool. 3.Grass line are worn too short. 4.Grass line are tangled on spool.	1.Lubricate with silicone spray. 2.Install more grass line. Refer to Grass line Replacement earlier in this manual. 3.Pull grass line while alternately pressing down on and releasing spool retainer. 4.Remove grass line from spool and Grass. Replacement earlier in this manual.
Grass line wraps around drive shaft housing and grass head.	Cutting tall grass line at ground level	Cut tall grass line from the top down to prevent wrapping.
Motor fails to start when switch trigger is depressed	Battery is not secure Battery is not charged.	To secure the battery pack, make sure the latches on the top of the battery pack snap into place. Charge the battery pack according to the instructions included with your model.



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NEWWAY TECHNOLOGY (SUZHOU) CO., LIMITED
No. 20 Dagang Road, Fuqiao Town, Taicang City, China