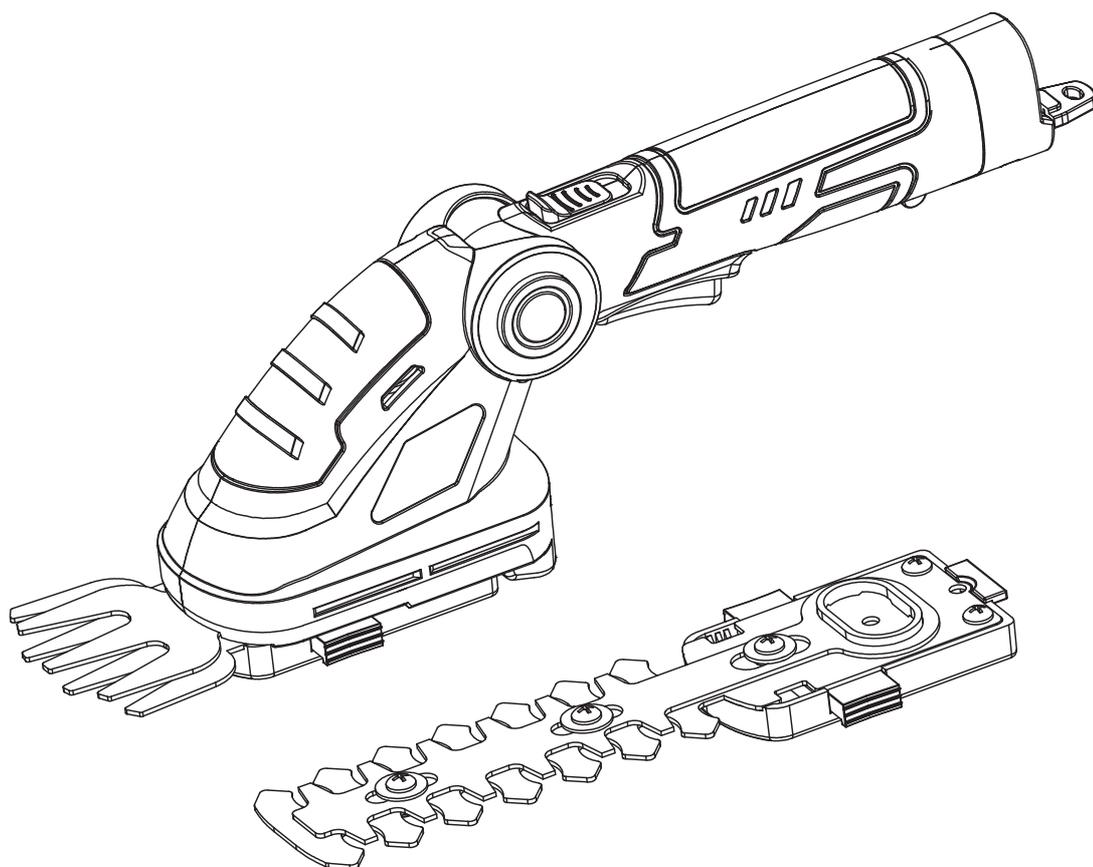




Instruction Manual

12V Grass shear & hedge trimmer

PLU-165991



Before any use, refer to the corresponding paragraph in the present manual.

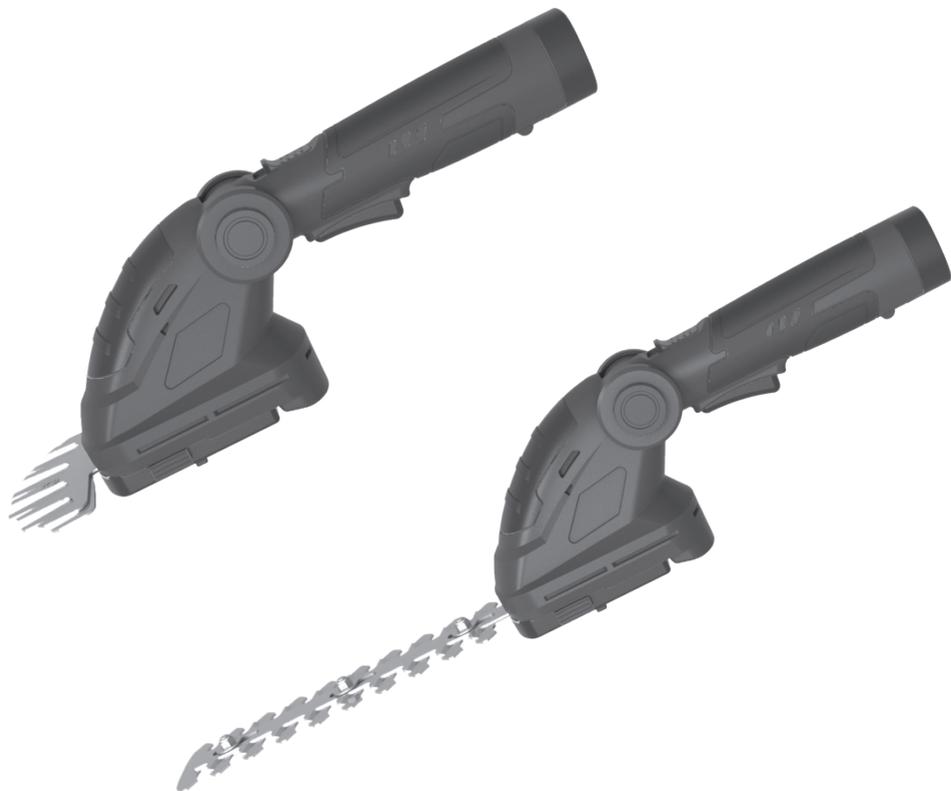
Dear customers,
Thank you for choosing SOYUS technology, we appreciate your confidence!

Please read these operating instructions before putting the device into operation for the first time use!

You will find all the instructions for safe use and long service life of the device. Be sure to follow all safety instructions in this manual!

Please always keep these operating instructions at your place of use so that they are always at your disposal in case of doubt.

2-in-1 Cordless Grass Shear:



Warning!

Read all the notes in this manual before using this tool.

Keep the User's Guide with you at all times at work.

1. BASIC TECHNICAL CHARACTERISTICS

Engine Type	Brush Motor
Battery Type	Lithium-ion Built-in
Battery Voltage / Capacity	12V / 2.0Ah
No-load Speed	1100 rpm
Cutting Width	100MM
Cutting Length	160 MM
Cutting Dia	6 MM
Rotating / Adjustable Handle Position	YES / 0-60°
Rubberized Handle	YES
Quick-change Blade	YES
Grass Trimming Attachment	Yes/ 1 pc
Brush Cutter Attachment	Yes/ 1 pc
Dust Protection	IP20

This operating manual applies to several models with different characteristics.

Only attachments specifically approved for use with your particular model may be used.



2. INTENDED USE

The standard version of this equipment is designed to be used as a lawn mower i.e. in the garden.

Please note that our equipment is not intended for commercial or industrial use. is intended for short-term domestic use.

For temperate climates with temperatures from -10°C to +40°C,
Relative air humidity not exceeding 80% and not directly exposed to precipitation and excessive humidity.

Moisture and excessive airborne dust are not suitable.

Domestic tools are those used to fulfill the following domestic needs:

Recommended breaks of 3-5 minutes for every 15-20 minutes of continuous operation.

The Cordless Garden Lawn Mower is a portable, high quality, multi-purpose tool for lawn and shrub care.

To ensure proper use and maintenance of the equipment, we recommend that you carefully follow and keep the operating instructions provided by the manufacturer.

The information contained in this manual is based on the technical specifications available at the time of issue of this manual.

Technical specifications are subject to change without notice. Because we are always striving to improve the quality of our products.

Special attention must be paid to the safety instructions!!!

Failure to observe them may result in dangerous situations.



WARNING:

Equipment should only be used for its intended purpose. Any other use is considered improper use.

Any damage or injury is the responsibility of the operator, not the manufacturer.

SYMBOLS INSTALLED ON THE PRODUCT



ATTENTION! WARNING! DANGER!

The symbol accompanied by these words draws attention to actions or situations that could result in injury to the operator and others, possible electric shock, or product malfunction or damage.





Attention! Do not operate during rain! Do not operate the machine in bad weather.



Attention! Before using this product, please read this user manual carefully and keep it in a safe place for future reference.



Attention!
Always wear earplugs, helmets and ear protection in time for work!



Attention! Wear personal protective equipment when working with the product.



Attention!
Wear a protective mask when working on the product.



Attention! Watch out for objects that may fly out of the unit during operation.



Attention! Do not use in an enclosed or poorly ventilated area. Keep passers-by at a distance.



SAFETY WARNING SYMBOL: Indicates precautionary measures or safety instructions.



Do not dispose of non-working electrical devices as household waste. Recycle them where available. Get information on recycling from your local authorities or trade representative.



Noise level indicator
The noise level of the unit does not exceed xxdB.

3. GENERAL SAFETY RULES



Before putting this equipment into operation, read the instructions in this manual to avoid the risk of physical or material damage. If you are in doubt, observe the relevant laws and regulations.

This device generates electromagnetic fields during operation that may interfere with active or passive medical implants.

To reduce the risk of serious or fatal injury, we recommend that you check with the medical implant manufacturer and your physician.



WARNING! The user must be properly trained in the use, setup, and commissioning of this equipment. Careless or improper use may result in serious or fatal injury!



Read the instructions carefully to familiarize yourself with the controls and proper operation of the equipment, and take some time to familiarize yourself with the equipment before each use. Never allow children or anyone unfamiliar with these instructions to use the equipment. Local regulations may restrict the age of the operator.

This equipment is not intended for use by persons (including children) with physical, sensory, mental, or memory impairments.

Do not operate when occupied, especially by children or pets, except under the supervision or instruction of a person responsible for their safety.

Caution: The operator or user is responsible for accidents or dangers to others or their property.



Warning! Personal protective equipment must be worn when using the machine.

PPE cannot eliminate the risk of injury, but they can reduce the degree of injury if an accident occurs.

Seek help from your retailer to select the correct equipment.

Read the instruction manual and operating instructions carefully and make sure you understand them before using the equipment.



SAFETY INSTRUCTIONS FOR THE USE OF THE GRASS SHEAR



ATTENTION! WARNING! Grass clippers-dangerous

If used carelessly or improperly, it can cause serious, even fatal, injury. It is extremely important that you read and understand the contents of these operating instructions.



ATTENTION! WARNING! DANGER!

The following basic precautions should be observed when using electrical appliances to reduce the risk of fire, electric shock, and personal injury.

Read all instructions before using this product and keep them in your possession at all times.

Read the instructions carefully. Familiarize yourself with the controls and learn how to use the device correctly.

Do not allow unauthorized persons, children or animals within 2 meters of the product's edge during operation. Children must be supervised. Make sure they are not playing with the product. Distractions may cause you to lose control.

The product may not be used by persons under 18 years of age, persons with disabilities, persons under the influence of alcohol, narcotic substances or medication.

If the product malfunctions, do not disassemble or attempt to repair it yourself. Contact an authorized service center.

It is forbidden to operate and store the products in a negative environment. Temperatures. Avoid moisture and condensation on the motor.



WARNING!

Use only original parts and connections, it is important that these parts remain undamaged, therefore avoid improper use and protect them from bending and impact.

Do not use the equipment in bad weather such as thick fog, heavy rain, strong wind, extreme cold, etc. Working in bad weather is tiring and can lead to hazardous conditions such as slippery surfaces.

Keep the work area clean and well-lit. Dark areas that are difficult to see are the cause of accidents.

Operate the device only in daylight or in good or artificial light. If possible, avoid using the device in wet conditions.

Stop the appliance before assembling, disassembling or removing attachments or other parts.

Do not use the grass shear on ladders, scaffolding, or in high places (e.g., roofs) Serious injury may result. Always make sure you are in a stable position on slopes. Make sure all safety devices are in place and in good working order.

Do not move or alter electrical and mechanical safety devices. To avoid accidents and malfunctions, install only spare parts and accessories recommended by the manufacturer.

Check the unit for loose fasteners before use each day. Make sure that all nuts, bolts and screws are securely tightened and that the equipment is in safe operating condition. Replace worn or damaged parts as necessary. Refuse to operate the appliance if it is damaged.

Always wear personal protective equipment when in use:

Wear special protective clothing, remove hair, safety goggles, headphones, helmet, respiratory protective equipment.

Choose sturdy, non-slip wear safety shoes and long pants. Do not operate equipment barefoot or in sandals.

Use a respiratory mask if there is a risk of dust ingress. Wear approved goggles at all times and qualified goggles if visor is used. Impact from branches or thrown objects can damage eyes.

Be aware that improper maintenance, use of incorrect maintenance tools, use of spare parts that do not meet the manufacturer's specifications, and removal or modification of the safety system may result in injury to the operator or others and damage to the equipment.

Do not operate the equipment when using alcoholic beverages or narcotic drugs, which may adversely affect the user's response.

All personnel in the hazardous area must wear personal protective equipment.

The risk of injury decreases with distance:

If you are close to an operator who is operating the equipment, make sure that the operator notices that you have stopped running the machine. To avoid accidents, do not distract or frighten the operator during operation.



WARNING!

Vibration can cause Raynaud's disease (so-called vibration sickness or "white finger syndrome"). This disease affects the fingers and toes and may be caused by exposure to both vibration and cold.

In this case, the affected areas first feel hot and tingly, then the fingers become pale and numb. The following recommendations must be observed when using the device in order to avoid these.

Do not use the equipment at temperatures of +5°C or lower.

Establish a work schedule that limits the vibration load.

Keep your body warm, especially your neck, head, ankles, wrists and hands.

Wear protective gloves.

To improve circulation to the extremities, be sure to take work breaks.

Always seek medical attention if you feel uncomfortable working on vibrating equipment or if you notice redness or swelling of the tissues in your hands, followed by pallor and loss of sensation.



CAUTION!

Noise is unavoidable when the unit is in operation. To avoid discomfort to those around you, choose appropriate times to use the appliance and wear hearing protection and take breaks at all times.



WARNING!

Prolonged exposure to high noise levels can damage the operator's hearing.

Wear ear protection and have your hearing checked regularly.

Be alert and careful when using ear protection as it can limit the ability to hear important warnings such as calls or sirens.

ELECTRICAL SAFETY AND USE OF BATTERY-POWERED TOOLS

Do not use the device in rainy weather and try to avoid rain and moisture.

Do not leave the device outside at night.

Always keep the power tool in working condition without connecting it to a power source.

The switch must always be in the OFF position when installing or removing batteries.

Charge the battery only with the charger recommended by the manufacturer. Chargers designed for specific types of batteries may pose a fire hazard when used with other batteries.

Protect unused batteries from paper clips, coins, keys, nails, screws, and other small metal objects that may short-circuit the battery poles. Short-circuiting the battery poles can cause burns or fire.

If the battery is not used properly, liquid may seep out of the battery. Please avoid contact. If accidental contact occurs rinse the area with water.

If the liquid comes into contact with your eyes, seek immediate medical attention.

Spilled battery fluid may cause skin irritation or burns.

Familiarize yourself with all instructions and warnings regarding tools and battery packs before using the charger, and all instructions and warnings for tools and battery packs.

Since the charger is designed for indoor use only, the battery can only be charged indoors. The charger is designed for use in enclosed areas only and can only be used with self-contained equipment. Use of any other batteries may result in a risk of fire or electric shock.

Do not place foreign objects on the charger as this may cause the charger to overheat.

Do not pull the charger cable to unplug the charger.

Ensure that the charger cord is not positioned so that it can be stepped on, tripped over or damaged or mechanically overloaded.

Do not use extension cords unless absolutely necessary. Use of an improper extension cord may create a fire or electric shock hazard.

Do not continue to use the charger if it has been bumped, dropped, or damaged in any way.

If the charger's power cord or plug is damaged, do not use the charger and it must be replaced by the manufacturer or a professional.

To avoid the risk of electric shock, unplug the charger before cleaning.

Do not store or use the charger and battery in places where the temperature is +40°C or higher, e.g. under a shed, in a caravan or in a metal structure.

Do not plug the charger into a power supply with a voltage different from that indicated on the charger data plate.

Avoid physical contact with earthed surfaces such as pipes, radiators, heaters and refrigerators. Objects that increase the risk of electric shock from grounded objects.

Foreign objects may cause a short circuit between the charger terminals plugged into the power supply. conductor material away from the charging receptacle and charger vents.

Always unplug the charger from the power outlet when not in use and store it in a dry, safe place.

The batteries supplied are not fully charged and must be fully charged before use.

Stop operation if the battery needs to be charged. Start the charging procedure. Rechargeable lithium-ion batteries can be recharged at any time without shortening the life. Interrupting the charging process will not damage the battery.

If the battery does not charge properly, check the voltage at the socket with a lamp or voltmeter and place the charging device with the battery.

Place the charger and the battery in a place where the temperature is about 15°C-25°C. If, in spite of this, there is still a problem with charging, remove the power tool with the battery or send the power tool with the battery and charger to your local service center.

Charging at temperatures of 15 - 25°C gives the battery optimum durability and performance. Do not charge the battery at temperatures below +5°C or above +40°C. This is very important and is a prerequisite for preventing serious damage to the battery.

The unit and battery may become warm during charging, this is normal and does not indicate a problem.

Electrolyte may leak from the defective battery onto neighboring parts. Check neighboring parts, clean them, and replace them as necessary.

During charging, do not charge the battery directly in hot weather or near a heat source. Keep the battery in a well-ventilated place during charging.

Do not incinerate the battery even if it has been severely damaged or can no longer be used. The battery may explode in a fire.

To speed up the cooling of the battery after use, do not use the charger or charger in hot weather.

Do not use the charger or battery under a metal shed or in a metal chamber without insulation. Do not leave the battery pack and charger unattended while charging.

4. PERSONAL SAFETY

Be alert, handle with care, and use common sense when using this equipment.

Do not use excessive force. Always ensure that you have a good grip and are balanced so that you can better control the tool in the event of an accident.

Do not use this equipment if you are tired, ill or under the influence of drugs, alcohol or liquor.

Do not wear loose clothing or jewelry.

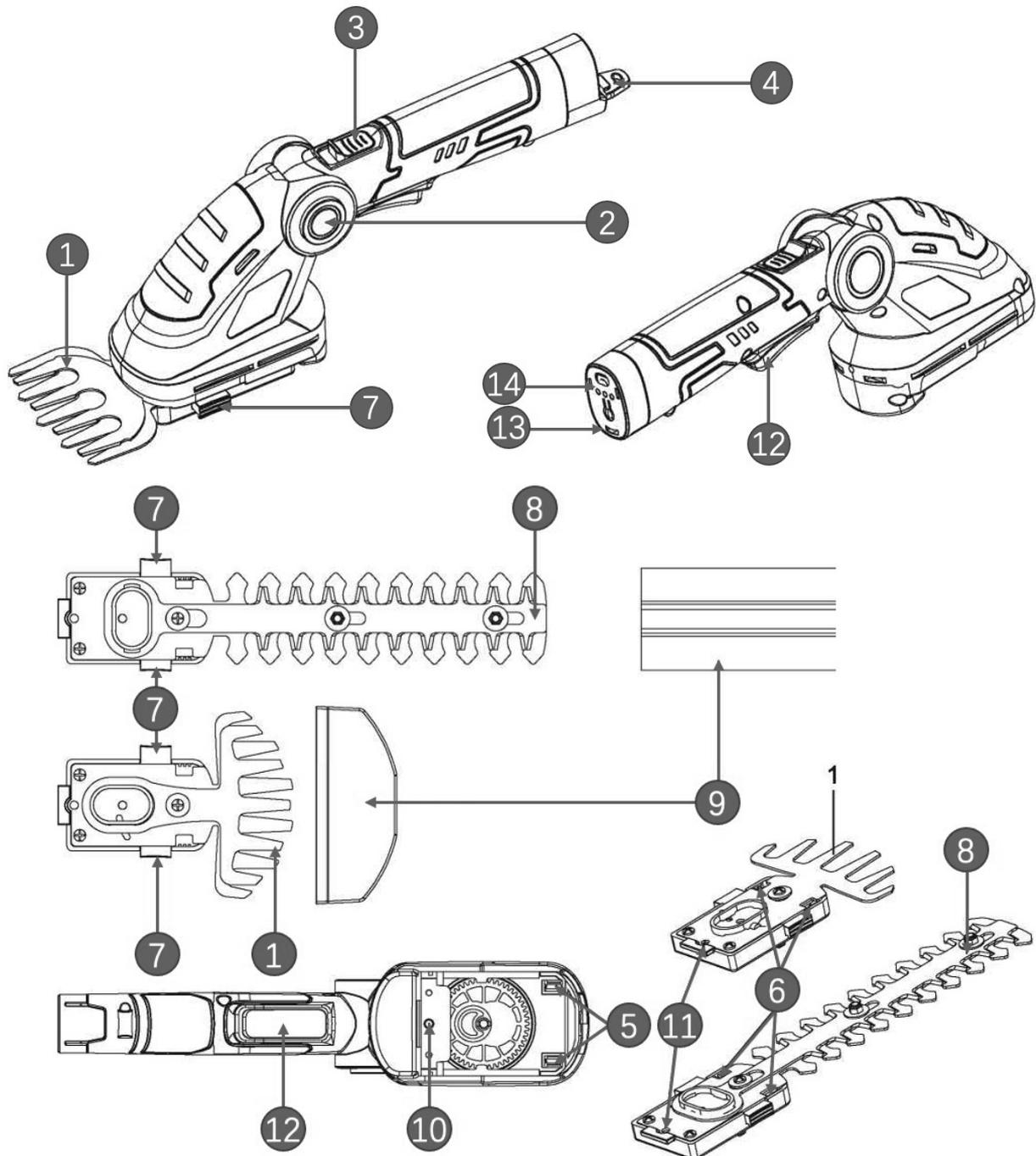
Vibration may cause hand circulation disorders when using this equipment for extended periods of time. These effects may be exacerbated by low ambient temperatures and or a tight grip on the handle. Working time can be extended by using appropriate gloves or taking regular breaks.

 **WARNING!** Do not allow anyone to operate this equipment who has not read the Technical Data Sheet and Operating Instructions, who does not understand the safety regulations or who has not been trained in the use of the sprayer.

 **ATTENTION! NOTICE!** The operator must realize that common sense and the warnings, cautions and instructions in this manual may not cover all possible situations. However, they should be used as a guide in their use.

5. MODEL SUMMARY

The layout of the main components of the Grass Shears controls is shown in the following diagrams.



Basic nodes and elements of control (general view)

- | | |
|-----------------------------------|-----------------------------|
| 1. Grass scissors blade | 8. Shrub cutting blade |
| 2. Handle angle adjustment button | 9. Blade cover |
| 3. Safety switch | 10. Blade attachment point |
| 4. Safety key | 11. Blade attachment hole |
| 5. Blade clip | 12. Trigger button |
| 6. Blade insertion slot | 13. Charging socket |
| 7. Blade release mechanism | 14. LED charging indication |

! WARNING ! The appearance of the product may not vary significantly from that shown in the illustrations. The manufacturer reserves the right to make changes in the design and equipment of the product without prior notice to the user in order to improve the product's performance.

6. INSTALLATION ASSEMBLY

Before operating the Grass Shears:

- Remove the Grass Shears from the box;
- Check the completeness and integrity of the tool;
- Check the Grass Shears for mechanical damage;
- Read the operating instructions carefully;
- Familiarize yourself with the controls;
- Learn how to start and quickly stop the engine;
- Assemble the Grass Shears.

DELIVERY SET

The battery-powered grass shears are supplied as shown in the figure:

1. Battery-powered grass shears-1 pc.
2. Grass cutting blade with protection - 1 pc.
3. Shrub cutting blade with protection-1pc.
4. Operating instructions-1pc.

!



! NOTE ! The manufacturer reserves the right to make changes to the scope of delivery without prior notice.

The battery-powered grass shears are delivered in a partially assembled state. To complete the final assembly, proceed as follows:

- Remove the contents from the package;
- Unpack all the items and place them on an even, stable surface;

- Remove all packing materials;
- Make sure that the contents of the packaging are complete and undamaged;
- If you find any incompleteness or damage, contact the sales organization where you purchased the device.

This unit can only be put into operation if all parts are assembled completely and tightly and no parts are damaged! Therefore, read this entire chapter before assembling the parts! Assemble the parts carefully and completely. Use tools as necessary.

ASSEMBLING A CORDLESS GRASS TRIMMER

GRASS BLADE OR SHRUB CUTTING BLADE

All components must be connected in the correct order before starting.

Attach the Grass Scissors blade(1) to the Scissors. Use the Blade attachment point(10) and the Blade insertion slot(6) attached to the Blade clip(5) to make the connection between the two.

Check that all connections are correct and stable. Remove the blade cover (9).

To assemble the Shrub cutting blade, follow the same steps, Connect the Shrub cutting blade(8) to the Scissors.

Use the blade attachment point(10) and the blade insertion slot(6) fitted to the blade clip(5) to make the connection between the two.

Check that all connections are correct and stable. Remove the blade cover (9).

Your tractor scissors are now ready for use.

 **WARNING!** Always make sure that the machine is switched off and the safety key (4) is disconnected when changing blades.

7. OPERATING INSTRUCTIONS



WARNING! Before you start work, be sure to read and observe all applicable regulations in the Operating Instructions!

Always wear approved eye protection. Keep bystanders away. Children, animals, bystanders and helpers must stay outside the safety zone of 15 m. Stop the machine immediately if anyone approaches.

RULES OF WORK

Familiarize yourself with the grass shear technique. You will find information on this in the trade literature. The notes here are only supplementary!

Determine the scope of work, route and sequence of work. Prepare the Scissors for work according to the instructions.

FOR SAFE WORK

Keep your hands away from moving scissor blades.

Do not allow any part to fall into moving parts of the tool during operation.

Do not leave hand-held power tools unattended during operation.

Do not apply unnecessary force to the tool.

Do not use the tool with a defective switch. Any tool with a defective switch is dangerous and must be repaired.

Use of the power tool for purposes other than those for which it is intended may result in a hazardous situation.

Always stop the engine before cleaning it.

GRASS CLIPPER

The area to be worked on must first be cleaned of stones and other hard objects.

Recharging the battery in good time will help it to last a long time. Recharging is always necessary when you notice a decrease in the performance of the tool. The LED charging indication(14) will turn red while charging. The LED will turn green when fully charged.

Never allow the battery to be fully discharged. This will cause the battery pack to malfunction.

GRASS SHEARS

Insert the safety key (4) into the tool.

The safety device prevents the tool from starting unintentionally. Activate the safety device by pushing the front of the tool while pressing the on/off button (3).

GARSS CUT

Let the scissors slide to the ground. The best results are obtained when the ground is dry. If you notice a drop in cutting performance, recharge the tool immediately to prevent the battery from running out of power.

CUTTING CUSTOMS

The shears can be used for trimming small hedges and shrubs.

Hold the tool slightly tilted towards the hedge you want to cut.

First cut the side from the bottom to the top, then cut the top part. Beware of foreign objects in the hedgerow that could damage the blades.

As a rule, hedges that lose their leaves in the fall should be cut back in June and October.

Hedges that are losing their leaves should be cut back in April or August.



REPLACEMENT

WARNING! Risk of injury! Always wear gloves.

To remove the blade, press the blade release mechanism (7) and remove the blade.

After removing the grass blade, you will see two blade clip (5) at the bottom of the tool.

Then lift the shrub cutting blades from the two sides of the shrub cutting blades and there will be two inserted slots (6). Place them in the two blade clips (5)

Press the shrub cutting blade release mechanism (7).

Insert the shrub cutting blade into the machine with the blade attachment point (10) against the blade attachment hole (11), then press the blade into the blade clips (5).

Finally, release the trigger (7) and the blade change is complete.

To turn the tool off, release the on/off button (3). The Grinding Scissors will then be reset. Remove the safety key (4) from the tool.

BATTERY CHARGING



WARNING!

While the battery is charging, hold the switch (3) in the off position and remove the safety key(4) from the tool.

First insert the cable into the charging socket (13), then plug the charger into the mains.

When the red light (14) is on, it indicates that the battery is in the charging state.

When the light turns green (14), continue charging for another 30 minutes to fully charge the battery.

When fully charged, remove the charger cable from the charging socket (13).

Normal charging time is from 2 to 3 hours, especially if the battery is new. It is recommended to continue charging for no more than 30 minutes for the first 3 to 5 times of charging. It is quite normal for the battery to be slightly warm when charging.

Make sure that the charging nipple of the grass shear scissors is clean and dry.

Do not charge the battery pack in an explosive atmosphere, in the presence of flammable liquids, gases, or dust, or near flammable materials. Heating the battery pack while charging creates a risk of fire.

When charging the battery pack, make sure it is in a well-ventilated area.

Avoid overcharging the battery pack. The battery pack charging time is limited and should not exceed 30 minutes when fully charged.

Do not expose the battery pack to water or rain. Short-circuiting the battery pack connections can result in high currents, overheating, and possibly even rupture of the battery pack.

Do not drop or hit the battery pack. Do not use the battery pack if it has been dropped or subjected to shock.

Charge the battery pack until it is fully discharged. If the power goes out while the tool is in operation, stop operation and recharge the battery pack.

Never recharge a fully charged battery. Overcharging will shorten the life of the battery.

Do not store the battery pack in a discharged state. Charge immediately after discharging. The battery pack should be stored at 50% capacity, removed and recharged every 1-2 months.

 **WARNING!** Failure to observe safety precautions or use the tool correctly can result in serious injury. This tool can cause serious injury and create the risk of fire or explosion.

8. MAINTENANCE

Check the device for loose fasteners or damage to key components. If a defect is found, it must be repaired before restarting the unit. Before cleaning, checking or repairing the unit, make sure that the motor is off and idle.

 **WARNING!** Use only original spare parts for maintenance and repair work. The failure of the device when using spare parts, consumables of inadequate quality or non-original spare parts will not be repaired under warranty.

At the end of the season, check the grass clippers for damage before storing. Repair or replace damaged or broken parts.

 **WARNING!** Clean the Grass Shears after each use. Poor cleaning can cause damage and may reduce performance.

CLEANING

 **CAUTION:** Do not water the engine with a hose. There is a risk that water will damage the engine. Wipe the cover with a dry cloth.

Clean the Grass Clippers with a soft cloth dampened with a soap and water mixture. Never use the water hose for cleaning!

Do not use cleaners or solvents. They can damage the plastic parts of the equipment. Make sure that water cannot leak inside the unit.

Clean all pre-safety devices, ventilation openings, and the motor housing and remove any remaining grass or dirt.

Clean the engine regularly with a cloth or brush. Keep the cooling system clean to ensure proper air circulation, which is important for engine performance and service life. Ventilation openings must be clean and free of debris.

We recommend that you clean the unit slowly every time you finish using it.

Never wash the tool under running water and especially not under high pressure. Keep the tool dry, warm and out of reach of children.

Always check for obvious defects such as loose fittings and worn or damaged components.

Perform any necessary maintenance or repairs prior to operation.

A few drops of oil (such as sewing machine oil) will improve the cutting characteristics of the blades, but never apply lubricant to the blades.

It is also important to remove any residual grass and dirt between the top and bottom blades to ensure a consistently fine cut.

9. MAINTENANCE SCHEDULE

In order to maintain the high performance of the device, it is necessary to regularly check the technical condition and make the necessary adjustments.

We strongly recommend that you do not slowly smooth out any jagged edges or ridges caused by stones or the like.

The tool should be thoroughly cleaned both before and after use. There are no parts inside the equipment that require additional maintenance.

Maintenance of the device is also a prerequisite for increasing its service life. The maintenance intervals and the types of work to be performed are listed in the table below.

Maintenance intervals		Each use	Every month or 10 h	Every 3 months or 25 h	Every 6 months or 50 h	Every 12 months or 100 h	Every 2 years or 300 h
Component							
Instrument	Checking	0					
	Cleaning	0					
Blade	Checking	0					
	Sharpening		0				
Fasteners	Checking	0					
	Tightening	0					



NOTES! The maintenance schedule applies to normal operating conditions. When the unit is operated under extreme conditions such as high temperature operation, high dust, and high temperature operation, maintenance of individual product components may be required more frequently. All maintenance, with the exception of the work listed in the Operation Manual, should be performed by qualified service personnel.

10. SERVICE MAINTENANCE

The SOYUS Grass Shears are designed for long and trouble-free service life. Regular maintenance is the key to a long service life. If you are unsure of your own abilities, do not have the necessary tools or original spare parts, order maintenance from an authorized service center. For detailed information on service centers, contact the dealer from whom you purchased your SOYUS product.

Genuine parts are provided by service workshops and dealers. We recommend that you provide an authorized service center for the annual maintenance and inspection of the safety devices.

For additional information on service, maintenance and spare parts, please contact the dealer from whom you purchased the unit.

11. STORAGE

Clean the device after each use. Store in Dry, clean and out of the reach of children. Clean and thoroughly oil the metallic parts of the device to prevent corrosion.

Before storing for a long period of time, have the device serviced.

If you are not going to use the device for a long period of time (e.g. during a winter season), make sure that the tool is protected against frost corrosion. At the end of the season or if the Herb Shears are not used for more than a month, wipe the metal surfaces with an oiled cloth to protect them from corrosion or spray a layer of oil.

The device must be protected against atmospheric fallout during storage. Do not allow the presence of acids, alkalis or other aggressive impurities in the air. Cover the Grass Shears with a dense material to protect them from dust.

POST-STORAGE COMMISSIONING

Always carry out a preliminary inspection before starting the engine. Check that parts are connected and that there are no broken parts that affect the operation of the engine. If the engine has any damage, repair it before operation.

12. TRANSPORTATION

The device can be transported by any type of closed transport, in the manufacturer's package or without preservation.

Avoid the device from mechanical damage, atmospheric precipitation, The presence of acids, alkalis and other aggressive impurities in the air of the packaging is not allowed.

Always turn off the engine and allow it to cool down before transportation.

When transporting and storing, do not bump the case against hard objects. Use the product handle to carry and use.

Ensure that the position of the equipment does not change unexpectedly during transportation (tipping, etc.).

During loading and unloading operations, the device must not be subjected to shocks, falls and atmospheric fallout.

Before transporting the device by any means of transportation lubricants and technical fluids must be filled with lubricants and technical fluids. Transport only when the engine is cold.

The tool can be transported by all types of closed transport at air temperature from 10 to + 40°C and relative humidity up to 80% (at temperature +25°C).

Any possible impact and movement of the instrument package inside the vehicle must be avoided during transportation.

13. RECYCLING INSTRUCTIONS

The device is packed to avoid damage during transportation. This packaging is raw material, so it can be reused or returned to the production cycle. The device and its accessories are made of various materials such as metal-plastic. Hand over defective components to a special waste disposal facility. Information can be obtained from a specialized shop or from your municipality.

Do not dispose of the apparatus as household waste.

14. ENVIRONMENT

If your appliance has been replaced after a lifetime of use, do not throw away your waste, but dispose of it in an environmentally friendly manner.

15. TROUBLESHOOTING

Problem	Possible reasons	Corrective actions
The engine does not start	No voltage / battery discharged	Make sure the battery is charged
	Faulty switch	Contact a specialized service center for repairs
	Brushes are worn out	
Increased collector brush	Brushes are worn out	Contact a specialized service center for repairs
	Collector dirty	
	Rotor windings are defective	
	The tool must be secured in the following way	Secure the work tool
Increased vibration, noise	Bearing defective	Contact a specialized service center for repairs
	Gear or pinion tooth wear	
Smoke and odor	Defective rotor and stator windings	Contact a specialized service center for repairs
Motor overheating	Motor overloaded	Release the load and let the tool run 2-3 minutes
	Engine air vents are dirty	Clean the air vents
	Rotor defective	Contact a specialized service center for repairs
Obviously a reduction in working time	Not enough charge, battery aging	Charge the battery. Replace the battery.
Engine does not develop full speed	Low power consumption	Charge the battery. Replace the battery.
	Winding burned out or winding tear occurred	Contact a specialized service center for repairs
Unusual noises	Bolts, nuts or other fasteners are not fastened.	Tighten the parts firmly.

