

ELECTRIC PRUNING SHEARS

— Instruction for use —

CresMan 

**PROTECH
340S**



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Dear users, thank you for high-quality products of the company! In order to better use the products, please read the manual before using and remain it for checking. If there is any problem in using process, please contact with us in time. Our professionals will answer questions to you and wish you to use it happily!

► PACKING LIST



● TOOL CASE

● The tool case includes the following accessories:

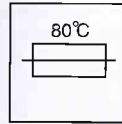
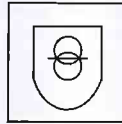
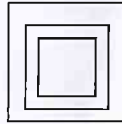
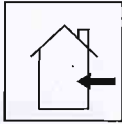
⚠ Note: whether the body with LCD Screen depends on the model of product you buy
The battery capacity that comes with depends on

1. Electric pruning shears
2. Lithium batteries
3. Charger
4. Kit
Lubricating oil
Grindstone



- The products are only limited to be used by professionals. Quality guarantee of non-human damage will be one year.
- The final power of interpretation of products is owned by the company

▶ Product Overview



● Instruction

1. Please read the manual carefully.
2. It only can be charged indoor.
3. With double insulation, it has no need for ground connection.
4. There is a fault security transformer.
5. As overheating charging, it will realize automatic power off.
6. Don't dispose chargers with domestic waste materials.
7. Don't dispose batteries with domestic waste materials.

● Performance Description

The products are battery-driven electric pruning shears and are composed of a fixed blade, a movable blade, a lithium battery, a charger, a tool case etc. The charging voltage is AC 110V-240V. The products are mainly used for shearing fruit branch grafting, shearing and picking up in lots of orchards, etc. It is convenient and easy to use. The branch shearing quality is significantly higher than traditional manual shears.

● Technical Parameters

Basic Information of Electric Pruning Shears	
Working voltage	DC 16.8V
Weight	0.74kg
Battery	16.8V, 2.6Ah/16.8V, 4Ah
Working voltage of the charger Input	AC 110V-240V
Battery charging time	1.5-2h/3-4h
Battery working time	2.5-3h/5-6h

Shearing Range(Maximal Size)	
Diameter	34mm
Working temperature	-10°C-65°C



Please read all safety warnings and instructions carefully; Electric shock, fire hazard and serious burning may take place for violating relevant warnings and instructions.



Don't use or expose electric pruning shears in the rain.



As operating electric pruning shears, don't close the shearing areas by hands, for fear of damage.

● Part Name and Diagram



! Note: whether the body with LCD Screen depends on the model of the product you buy

1. Moving blade
2. Shim
3. Dowel
4. Trigger
5. Lithium battery
6. Digital display screen
7. Charger
8. Power switch



► Utilization and Maintenance

1. Remove the machine, install the lithium battery, press and hold the power switch for three seconds and then let go. After hearing the sound of two drops, it means the battery is normally powered.
2. Press down the trigger continuously and rapidly for twice, open the blade automatically.
3. Before working, press down the trigger to operate the blade empty for several times, and listen to whether there is a noise or have a too fast or too slow phenomenon.
After it is normal, start to work.
4. Turn off: press the trigger and release it after listening to "didi" for two times; the blade will be closed automatically.

Notes: (1). the machine for a long time in the process of use, grasp the fever is normal phenomenon, please rest assured to use.
(2). after the completion of the pruning work this season, or when replacing the blade, need to remove the blade, add lubricating oil between the blade maintenance.

● Battery charging

The battery of the new product is not fully charged. Before charging, insert the battery into the charger, and insert the power plug of the charger into the power socket. As shown in the picture on the right, the indicator light of charger shows red, indicating that the charger is charging; The charger light is green. After charging, you can use the battery.



● Attention

1. Before charging, please turn off the switch; as charging, it is normal to have slightly fevering charger and batteries;
2. If batteries are not used for a long time, they must be recharged for 3 months to increase service life;
3. New batteries or unused batteries for a long time will reach the maximum capacity after 5 times of charge-discharge cycles;
4. Don't charge batteries repeatedly after several minutes of operation and this may reduce working time and efficacy of batteries
5. Don't use damaged batteries or don't disassemble the charger or batteries,
6. Batteries will explode in fire and don't burn batteries.
7. Don't charge batteries in outdoor or humid environment.
8. With the gradual deduction of battery electric quantity, it is normal to reduce the ability of shearing diameter.
9. As charging process, don't use electric pruning shears.

● Blade Polishing

1. Black out as opening the blade, please remove the battery.
2. Both sides of the moving blade are polished by using oilstone by forming the section angle with the blade;
3. After polishing the blade, clean it, connect to the power line, test by energizing, close the blade and finish it.



● Blade Replacement

1. To ensure safety, remove the battery.
2. Step by step as shown below. Replace the blade.
3. After the replacement, clean it, power on the test, close the blade and complete.



1. Disassemble the screws with a screwdriver and open the lid.



2. Disassemble the screws from the blade nut retaining buckle (this step is critical)



3. Disassemble blade nut



4. Disassemble the pin and remove the moving blade



5. Removable fixed blade



6. When replacing the blades, the blade pin shaft, swing gear, plane bearing and blade all need to add lubricating oil



7. Replace the blade



8. Insert nut



9. Install the nut lock TAB

★ Shim and moving blade can be replaced independently; as replacing, don't be afraid of too small opening of the blade; after electricity, the normal opening size will recover automatically.

► Maintenance Attentions

● Maintenance Attentions of Electric Pruning Shears

1. Don't shear off the branch out of the shearing range; don't shear off non-plant materials, such as metals and stones, etc; don't use a vice clamp to clamp tools; please replace a shear blade, if it is worn or damaged;
2. Please maintain equipment cleanness, clean electric pruning shears, batteries and chargers with a clean cloth as cleanness(don't use any corrosive or solvent detergents) and please a soft brush or a dried cloth to clean dust on top shears;
3. Don't soak electric pruning shears, batteries and chargers in water or any other liquids;
4. Please use equipment correctly as instruments; please stop using it when there is any damage in electric pruning shears, batteries and chargers, etc.
5. If the switch can't be connected normally or turn off electric pruning shears, don't use the electric pruning shears. It will be dangerous to control electric pruning shears without switch and it must place under repair;
6. Please ensure that switch is kept in the power off state as replacing accessories or storing electric pruning shears. Such a preventive measure will reduce the risk of launching electric pruning shears accidentally.
7. Please turn off the blade of the idle electric pruning shears and store it out of the children's contact. It is dangerous to let inexperienced person and untrained users to operate the electric pruning shears.
8. As using the electric pruning shears, please abide by instruments and usage, and consider working environment and tasks; it may cause a risk by using electric pruning shears for unconformable operation.
9. After it is used, please remove dirty on the moving blade and shim, add lubricating oil or engine oil on the contact part, make the blade keep in the normal maintenance state and reduce and extend blade lifetime for next use.

● Maintenance Attentions of Batterie

1. Don't charge under the environment below 0°C and below 45°C; this may damage batteries and chargers.
2. Please ensure that switch is off before connecting to batteries; under the circumstance of switch opening, it may cause an accident as connecting batteries to electric pruning shears.
3. Only use the chargers assigned by the manufacturer to charge batteries; chargers with unmatched batteries may cause a fire hazard as charging
4. When batteries are unused, please make it get away from tiny metal objects, such as clips, coins, keys, nails, and screws, which may shorten the lifetime. Battery short circuit may cause burning or fire hazard.
5. Don't disassemble or reconstruct batteries
6. Don't use short-circuit batteries.
7. Don't use it around heat source
8. Don't put batteries in fire or water
9. Don't charge closing to fire or under sunshine
10. Don't insert nails into batteries, don't impact batteries with hammer or by trampling or don't throw batteries
11. Don't use seriously damaged or distorted batteries
12. Don't weld batteries directly
13. Don't charge batteries reversely, connect in antipole or discharge excessively
14. Don't connect batteries to the recharge socket or vehicle cigar lighter socket.

15. Don't use it on the non-assigned equipment
16. Don't contact with lithium batteries directly
17. Don't put batteries in high-temperature and high-pressure containers, such as microwave ovens, etc.
18. Don't use weeping batteries
19. Don't let children contact with batteries
20. Don't use or place batteries under the direct sunshine(or in cars under direct sunshine); otherwise, it may cause overheating and burning batteries to cause invalid functions and shorten lifetime
21. Don't use batteries in static(exceeding 64V) sites
22. As batteries are used for the first time, don't use and send to the selling site, if there is corrosion, unpleasant smell or abnormal phenomenon
23. If there are EH batteries on skin or clothing, please rinse with clean water
24. If electric pruning shears are not used for a long time, please charge it fully for reserve

► Safety Attentions

Warning! Please read all instructions carefully. If not, it may cause electric shock, fire or other serious damage!

● Site Safety Description

1. Please remain clean and brightness in workplaces. Chaotic and dark workplaces may cause an accident.
2. Don't operate electric pruning shears in the explosive, inflammable and humid environment;
3. After children and audiences leave, operate electric pruning shears normally, for fear that distraction in operation may cause accident damage.

● Electric Safety Description

1. The battery socket of electric pruning shears must be matched with battery connecting plug. Don't refit socket and plug in any way.
2. Don't expose electric pruning shears in the rain or humid environment. Water or other liquids may increase electric shock danger or damage electric appliances
3. Don't abuse electric wires; don't use power lines to lift and pull electric pruning shears or pull out the plug; let electric pruning shears keep away from heating, oil, sharp edge or moving parts; don't use chargers when power lines or plugs are damaged. Damaged and twined wires will increase risk of electric shock.

● Personnel Safety Description

1. Keep guard: When operating electric pruning shears, concern the operation and keep guard; don't operate electric pruning shears as being tired, drug therapy or alcohol response; during the operation period, energetic distraction may result in serious personal damage.
2. Use safety devices, always wear goggles, dusk mask, anti-skid safety shoes and safety helmet and listening protective devices under the suitable conditions to reduce personal damage

3. Before connecting to electric pruning shears, take away all adjustable keys or wrenches; wrenches or keys left on the rotating parts of electric pruning shears may result in personal damage.
4. As operation, don't stretch hands too long; hands should get away from shearing areas; as shearing, don't put hands under materials for any reason; ensure that any material or surface under the shearing areas won't be damaged by shearing blades; and concern underfoot and body balance so as to better control electric pruning shears under the accident situations;
5. Dress suitably; don't wear loose clothing or wear accessories, let your hair, clothing and sleeves get away from moving parts; loose clothing, accessories or long hair may be involved in moving parts.

● Abnormalities and Disposal

1. When non-shearing articles are put in the incision, loosen the trigger immediately; moving blade will return to the opening state automatically.
2. When branches are too hard, please release the trigger timely and moving blade will return to the opening state automatically.
3. When batteries can't be charged normally, please firstly check whether the charger is the attached in the product; secondly, check whether the charging voltage is consistent with the nameplate voltage.
4. If there are electric or mechanical faults, please close the switch immediately.
5. Without abiding by the operating instruments, batteries may erupt liquid; don't contact the liquid; if it is contacted accidentally, rinse it with clean water; if the liquid is splashed into eyes, please see a doctor immediately in addition to rinse with clean water; liquid erupted from batteries may result in stimulation or burning

► After-sales Services

If you have any question in using process, please contact with us timely(see below for contact information); we have professionals to solve questions for you. Qualified servicemen use identical replacers to maintain electric pruning shears and this may maintain safety performance of electric pruning shears.

► Statement

The company remains the right to do technical improvement on products described in the instrument. If there is any change, please understand it. If there is any difference between images or texts in the instrument and material objects, please refer to material objects.