BLUEBIRD INDUSTRIES

Electric High Pole Pruning Shears

HPS 22-160 / HPS 22-220

Product using manual

-original instructions-

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Dear users, first of all, thank you for choosing our high quality products! For a better use of this product, please read the instructions carefully before use, and keep this manual for future reference. If you have any questions during use, please contact us in time. We have professionals to answer questions for you, I wish you a happy use!

Warning

Please read all safety warnings and instructions carefully. Failure to comply with the relevant warnings and instructions is likely to result in electric shock, fire or other serious injury.

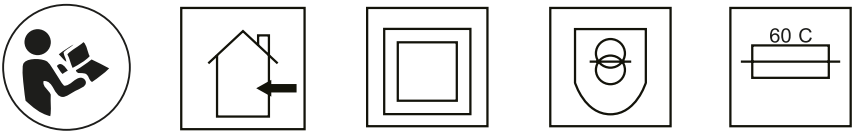
Please keep all warnings and instructions for future reference.

Environmental protection instructions

Abide by the laws and regulations of relevant countries. Electronic and electrical appliances should not be treated as domestic waste, and equipment, accessories and packaging should be recyclable parts.

It is forbidden to discard discarded machinery and equipment at will.

Product overview



Explain

1. Please read the manual carefully
2. Charging can only be carried out indoors
3. Double insulation without grounding
4. Fail safe transformer
5. When the charger overheats, it will power off automatically

Please read all safety warnings and instructions carefully.
Failure to comply with the relevant warnings and instructions is likely to lead to accidents such as electric shock, fire and severe burns.

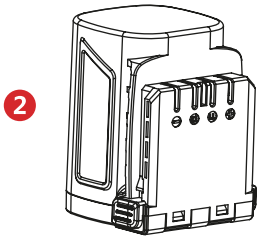
Do not use or expose electric pruning shears in the rain.

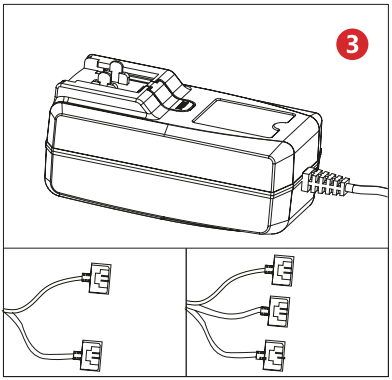
When operating the electric pruning shears, do not put your hands close to the cutting area to avoid injury.

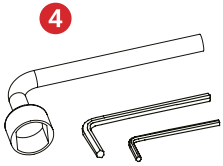
Do not put the scissors in contact with the charged objects to avoid injury.

Packing list

1. Electric pruning shears
2. Lithium battery
3. Charger
4. Supporting tools







Note: this charger is equipped according to the product model you purchased. The charger is one charge two or one charge three. The product in the package shall prevail

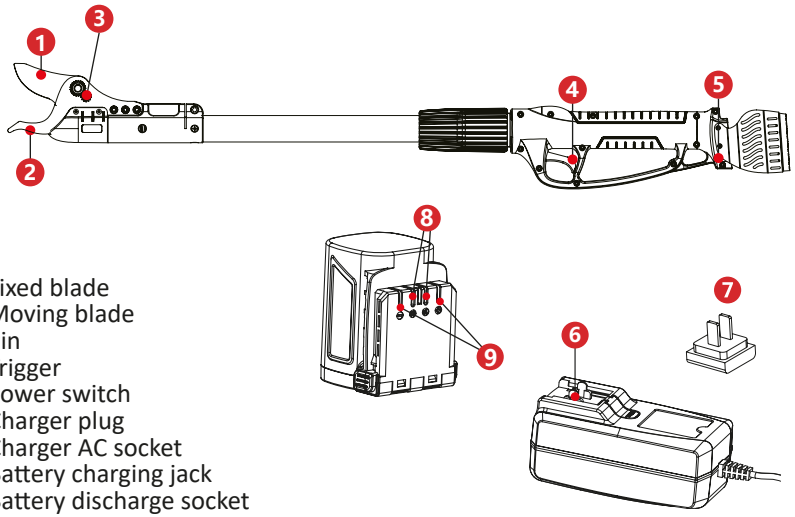
Performance description

This product is battery driven electric pruning scissors, which is composed of fixed blade, mobile blade, lithium battery, charger, connecting line, work package, etc. It is mainly used for cutting and pruning of fruit branches below 40mm, and pruning and harvesting of a large number of orchards. The utility model is simple and convenient, which is 8-10 times of the traditional manual pruning efficiency. The pruning quality is obviously higher than that of traditional manual scissors.

Specification parameters

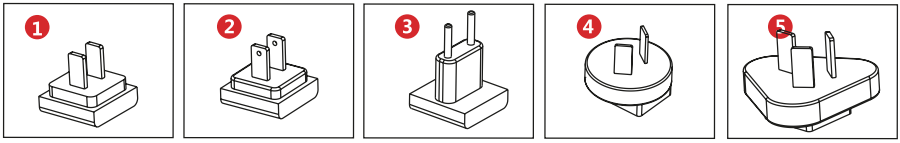
Max voltage	25.2V
Operating voltage	21.6V
Length of scissors	1.6 / 2.2 m
Lithium battery specifications	2.5Ah
Battery charge time	≈2-3H
Shear capacity	40mm
Charger input voltage	AC110-220V
Working environment	-10°~60°

Name and schematic diagram of each component



1. Fixed blade
2. Moving blade
3. Pin
4. Trigger
5. Power switch
6. Charger plug
7. Charger AC socket
8. Battery charging jack
9. Battery discharge socket

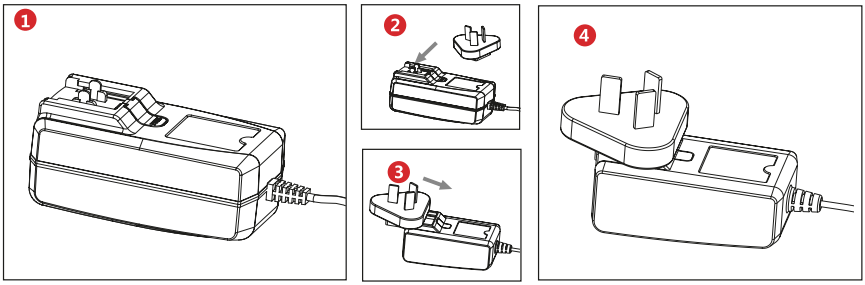
Universal charger - plug display



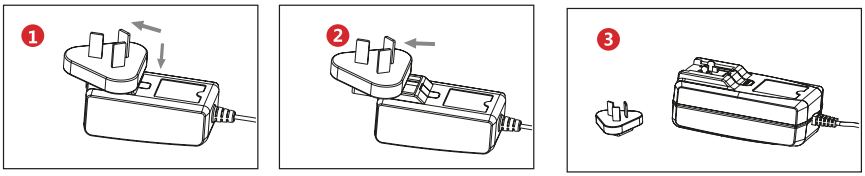
Chinese rules | American / Japanese rules | European / Korean rules | Australian rules | British rules

Disassembly and assembly of charger head

Push the charging head parallel to the charger interface to complete the installation.



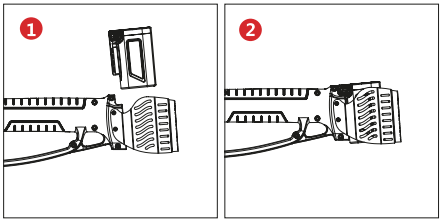
As shown in Figure 1, press and hold the remove button, and push the charger plug out at the same time.



Product use and maintenance

Start operation

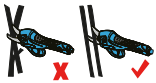
1. Install the battery, turn on the battery power switch, and pull the trigger twice to enter the active state.
2. Normal pruning: press the trigger, the blade closes, release the trigger, the blade opens.
Blade closing: press and hold the trigger continuously for more than 5 seconds, release the trigger, and the blade closing will no longer open.
3. Before working, press the trigger intermittently to make the blade close several times without load. Check whether it is normal.
4. Start to work after normal.



Packing operation

1. Press and hold the trigger continuously for more than 5 seconds, release the trigger, and the blade will close and no longer open.
2. Turn off the power and take out the battery.
3. Sorting, cleaning and packing.

Tips

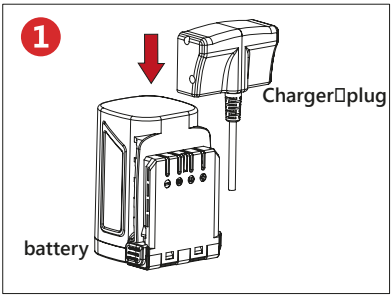
	When cutting, it starts from about 8 mm of new buds. The maximum cutting surface is about 30mm.		When using, never extend your hand to the shear range, and wear the corresponding safety protection device.
	When cutting, it should be cut from the position far away from the new bud, so as to reduce the loss of water.		Don’t cut off the trunk and new buds, but prune the weak small branches or the necrotic and damaged branches.
	When cutting, do not get too close to the tree trunk, which is conducive to wound healing.		When cutting branches, we should cut them one by one instead of binding them together.

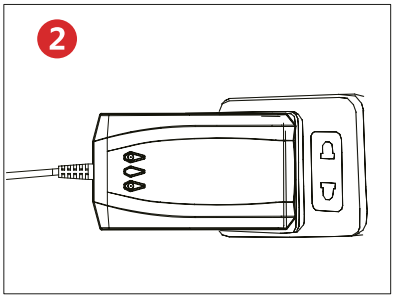
Precautions for battery operation and maintenance

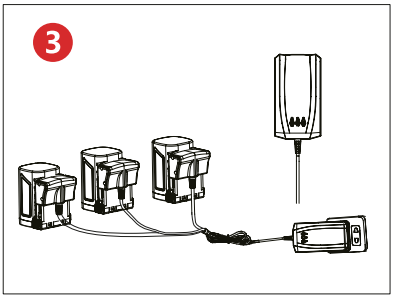
Battery charging

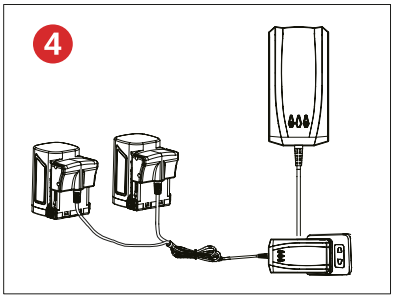
The battery of the new product is not fully charged. Put the battery flat on the desktop and insert the charger output socket into the battery socket, as shown in Figure 1. Then plug the power plug of the charger into the power socket. When the indicator is red, it means that charging begins.
The charger indicator is red, indicating that the charger is charging.
The indicator light of the charger is green, and the charging operation is completed.

Charging steps:









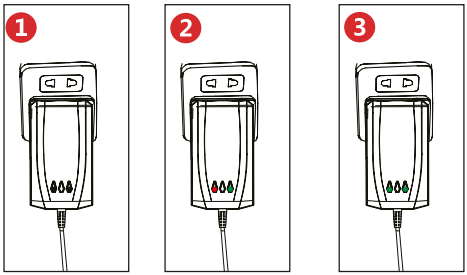
Note: each indicator light represents the charging state of different charging heads. The charger has one charging three / one charging two. As shown in Figure 3-4, according to the product model you purchase, this charger is equipped with one charge two or one charge three

According to the charger equipped to charge, each charging head, there is a corresponding indicator. (whether the charger is charged individually or through multiple interfaces, please judge whether the charging is completed according to the corresponding indicator light on the charger. The charger is charged in turn, not at the same time.)

Note: when the battery is not connected, the indicator light is green.

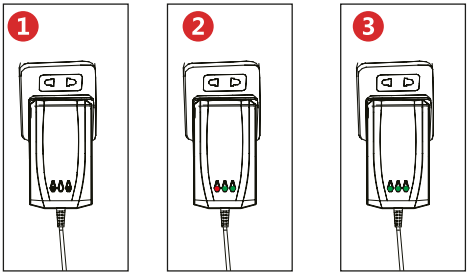
One charging two: as shown in the figure

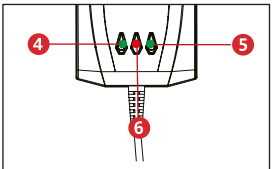
1. Not charged
2. Charging in progress
3. Charging completed



One charging three: as shown in the figure

1. Not charged
2. Charging in progress
3. Charging completed





Charging indicator sequence

Note: when two or three batteries are connected, the charger charges in order of 1-2-3. The indicator light is red when charging and turns green when fully charged. After the current battery is fully charged, it will jump to the next battery according to the above.

Matters needing attention

1. It is normal for the charger and battery to heat slightly during charging.
2. If the battery do not use for long time, to ensure the working life, . It must be recharged once every three months.
3. It takes about 5 charge discharge cycles for a new battery or a long-term unused battery to reach the maximum capacity.
4. Do not charge the battery repeatedly after a short time operation, which may reduce the working time and efficiency of the battery.
5. Do not use the damaged battery pack, and do not disassemble the charger and battery pack.
6. If the battery is put into the fire, it will explode. Do not barbecue the battery pack.
7. Do not charge the battery outdoors or in humid environment.

8. With the gradual decrease of battery power, the ability of shearing diameter will decrease, which is a normal phenomenon.
9. The electric pruner must be disconnected during charging. It is strictly forbidden to use electric pruning scissors when charging.
10. Do not store the battery pack in a humid environment.

Battery maintenance precautions

1. Do not charge in the environment lower than o ° C and higher than 45 ° C, which may damage the battery and charger
2. Please turn off the switch before connecting the battery. When the switch is turned on, it is easy to cause accidents when the battery is connected to the machine
3. Only the charger specified by the manufacturer can be used to charge the battery. If the charger does not match the battery is used to charge the battery, it may cause fire and other hazards
4. When the battery is not in use, keep it away from paper clips, coins, keys, nails, screws and other small metal objects that may short circuit the battery. Short circuit of the battery may cause burns or fire
5. Do not disassemble or reorganize the battery
6. Do not short circuit the battery
7. Do not use it near the heat source
8. Do not put the battery into fire or water
9. Do not charge near the fire or in the sunlight
10. It is forbidden to insert the nail into the battery, impact or throw the battery by hammering or stepping on the battery
11. It is forbidden to use seriously damaged or deformed batteries
12. Direct welding on batteries is prohibited
13. Reverse charging, reverse pole connection or excessive discharge of the battery are prohibited
14. Do not connect the battery to the charging socket or the cigarette lighter socket
15. It is forbidden to use on non designated equipment
16. No direct contact with lithium batteries
17. It is forbidden to put the battery in high temperature and high pressure containers such as microwave oven
18. Do not use leaking battery
19. Keep the battery away from children
20. It is forbidden to use or place the battery in the sunlight (or direct sunlight on the vehicle), otherwise it may cause overheating and fire of the battery, resulting in functional failure and shortened service life
21. It is forbidden to use batteries in places with static electricity (over 64V)
22. When the battery is used for the first time, if there is corrosion, bad smell or abnormal phenomenon, it is forbidden to use and send back to the point of sale
23. If your skin or clothes are stained with the electric fluid on the battery, please rinse with clean water
24. If the electric pruning scissors are not used for a long time, the battery should be fully charged for storage

Blade oiling

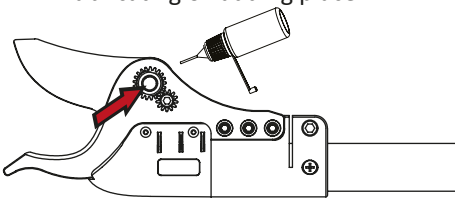
Before operation, the scissors must be disconnected from the power supply.

Before the blade is used or used for more than 4 hours, it is necessary to add lubricating oil again. The correct way to refuel twice is to open the blade.

The steps are as follows:

1. Oil filling hole at the pin hole of blade on the back of scissors.
2. Squeeze the lubricating oil from the oil bottle into the oil filling hole and cut it several times to make the lubricating oil evenly distributed.

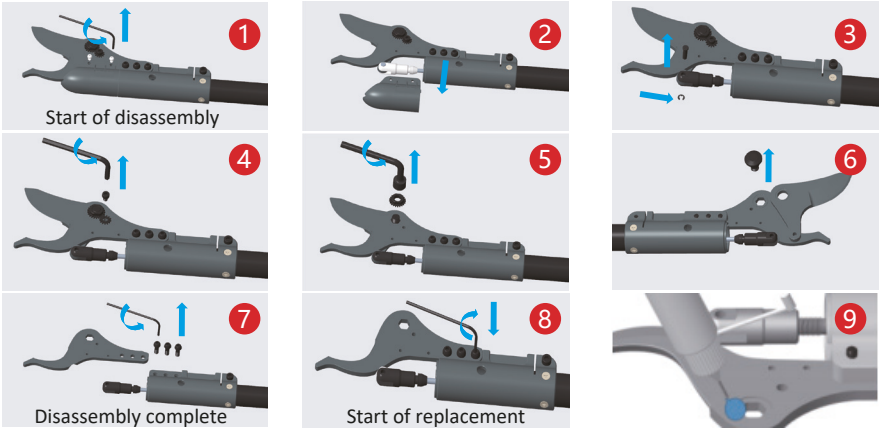
Lubricating oil adding place

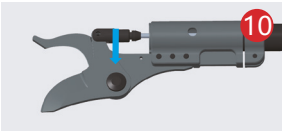


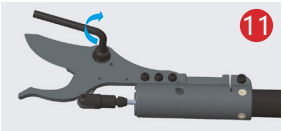
Blade replacement

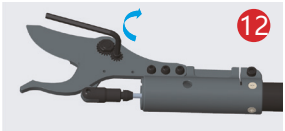
When the whole length of the moving blade no longer coincides with the fixed blade, or the blade is not cut clean after grinding, it is recommended that you replace the blade. The operation steps are as follows:

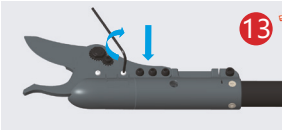
1. To ensure safety, please turn off the power before replacement and disconnect the power cable on the battery.
2. Replace the blade step by step according to the following figure.
3. After the replacement, clean it, connect the power line, power on the test, close the blade, and finish the replacement.





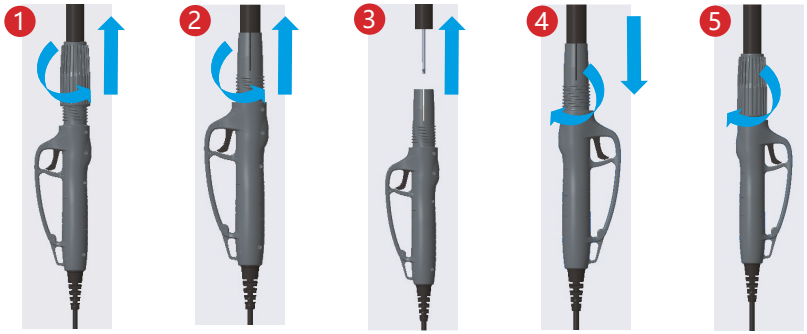






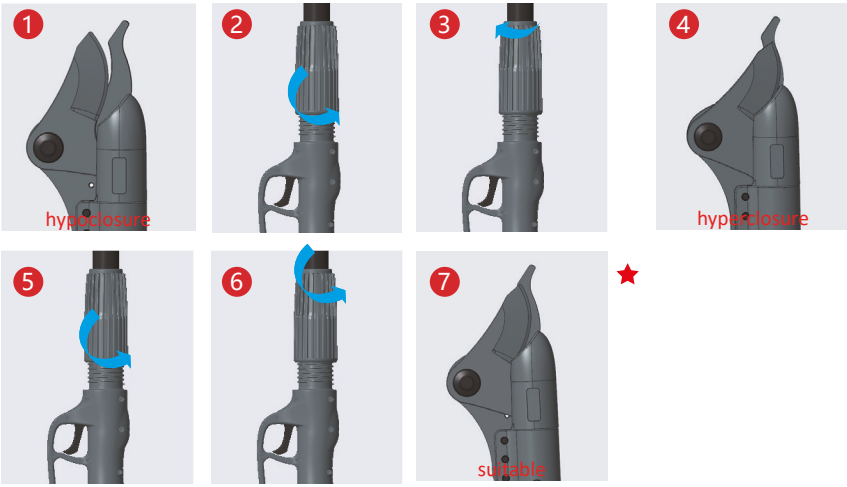
★ The fixed and moving blades can be replaced separately. When replacing, do not worry about the size of blade opening. After power on, it will automatically return to the normal opening size.

Replace the extension



Start of disassembly | Disassembly complete | Start of replacement | Replacement completed

Adjust the closure of the blade



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Precautions for use and maintenance

Precautions for use and maintenance of electric pruning shears

1. Don’t cut the branches beyond the working range of the scissors, and don’t cut non plant materials such as metal, stone, etc. Do not clamp the tool with a vise. If the scissors are worn or damaged, replace the scissors.
2. Keep the equipment clean, use clean cloth to clean the electric pruning scissors, battery and charger (do not use any corrosive or solvent based cleaner), and use soft brush or dry cloth to clean the dust on the scissors head.
3. Do not immerse electric pruning scissors, batteries and chargers in any liquid such as water.
4. Please use the equipment correctly according to the instructions. Do not use the electric pruning shears, batteries and chargers when they are damaged.
5. Do not use the electric pruning scissors if the switch cannot be turned on or off normally. Electric pruning shears that cannot be controlled by switches are dangerous and must be repaired.
6. Make sure that the switch is turned off when making any adjustment, replacing accessories or storing the electric pruning shears. This protective measure will reduce the risk of accidental starting of electric pruning shears.
7. Please store the idle electric pruning scissors out of the reach of children when the blade is closed, and do not let people who are not familiar with the electric pruning scissors or do not understand the instructions to operate them. It’s dangerous for untrained users to use it.
8. When using the electric pruning scissors and accessories, it is necessary to observe the instructions and methods of use. At the same time, it is necessary to consider the working environment and the work to be completed. Using the electric pruning scissors as an operation inconsistent with the requirements may cause danger.
9. After use, the moving blade and fixed blade should remove the dirt first, and then apply lubricating oil or oil on the contact part to make the blade in normal maintenance state. The next use will reduce the resistance and prolong the blade life.

Safety precautions

Warning!
Read all safety warnings, instructions, illustrations, and regulations provided with the power tool. Failure to follow all the instructions below may result in electric shock, fire and / or serious injury!

Keep all warnings and instructions for reference
The term “power tool” in the warning refers to a utility driven (wired) power tool or an electrically driven wireless power tool.

Workplace safety

1. Keep the workplace clean and bright. Messy and dark workplaces can cause accidents
2. Do not operate electric tools in explosive environment, such as flammable liquid, gas or dust. Gas or dust can ignite electric tools.
3. Keep away from children and bystanders when operating power tools. Inatten-tion can cause you to lose control of your tools.

Personal safety

1. Pay attention to the operation of electric tools and keep alert. Do not operate power tools when you are tired or have a drug, alcohol or treatment response. When operating electric tools, instantaneous negligence will lead to serious personal injury.
2. Use personal protective equipment and always wear goggles. Protective devices, such as dust mask, anti-skid safety shoes, safety helmet and hearing protection device, can reduce personal injury under appropriate conditions.
3. Prevent accidental starting. Make sure the switch is in the off position before connecting the power supply and / or battery pack, picking up or handling tools. Carrying tools with fingers on the switch or energizing when the switch is on can cause danger.
4. Remove all adjustment keys or spanners before turning on the power tool. The wrench or key left on the rotating parts of electric tools will cause personal injury.
5. Don’t stretch your hands too much, always pay attention to your foothold and balance. In this way, the power tools can be better controlled in case of accidents.
6. Dress appropriately. Don’t wear loose clothes or accessories. Keep your hair and clothes away from moving parts. Loose clothing, accessories or long hair can get involved in moving parts.
7. If the device for connecting with the chip removal and dust collection equipment is provided, ensure that it is well connected and properly used. The use of dust collection devices can reduce the risk caused by dust.
8. Don’t take the familiarity caused by frequent use of tools lightly, and ignore the safety rules of tools. A careless action can cause serious injury in an instant.

Electrical safety

1. The plug of electric tool must match the socket. Never modify the plug in any way. Do not use any change-over plug for electric tools to be grounded. Unmodi-fied plugs and matching sockets will reduce the risk of electric shock.
2. Avoid human contact with the ground, such as pipes, heat sinks, and refrigera-tors. If you touch the ground, it increases the risk of electric shock.
3. Do not expose electric tools to rain or humid environment. Water entering power tools will increase the risk of electric shock.
4. It is not allowed to abuse the cord, and it is not allowed to use the cord to carry, pull or pull the electric tools. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or twisted cords increase the risk of electric shock.
5. When using electric tools outdoors, use extension cord suitable for outdoor use. Wires suitable for outdoor use will reduce the risk of electric shock.
6. If it is impossible to avoid operating electric tools in humid environment, RCD should be used to protect the power supply. The use of RCD can reduce the risk of electric shock.

Use and precautions of battery tools

1. Only use the charger specified by the manufacturer. When a charger suitable for one battery pack is used for another battery pack, there may be a fire hazard.
2. Only use electric tools with special battery pack. Use of other battery packs may cause injury and fire hazard.
3. When the battery pack is not in use, keep it away from other metal objects, such as paper clips, coins, keys, nails, screws or other small metal objects, so as to prevent one end of the battery pack from connecting with the other end. A short circuit at the end of the battery pack may cause combustion or fire.
4. In case of abuse, the liquid may splash out from the battery pack, so avoid contact. In case of accidental contact with liquid, rinse with water. If the fluid touches your eyes, you should also seek medical help. Liquid spilled from the battery may corrode or burn.
5. Do not use damaged or converted. Damage to the modified battery pack may present unpredictable results, leading to fire, explosion or injury.
6. Do not expose the battery pack to fire or high temperature. Exposure of battery pack to fire or high temperature above 130 ° C may cause explosion.

Repair

1. Let professional maintenance personnel use the same spare parts to repair electric tools. This will ensure the safety of electric tools for maintenance.
2. Never repair the damaged battery pack. The battery pack can only be repaired by the manufacturer or its authorized service provider.
3. For battery tools:
a) Always respect the limits of temperature of use, storage and the recommended charging temperature, these can affect the autonomy for charging and using the battery pack.
b) For cordless tools that use a removable battery pack or a split battery pack, use only the specific battery models specified in the manual.
c) For cordless tools that use a removable battery pack or a split battery pack, use only the specific battery charger models specified in the manual.

After-sale service

If you have any questions in the process of using, please contact us in time. We have professional personnel to answer your questions and problems. Let the qualified maintenance personnel repair the electric tools with exactly the same replacement parts, so as to maintain the safety performance of the electric pruning shears.

Statement

The company reserves the right to technical improvement of the products described in this manual. If there are any changes, please understand. If there is any discrepancy between the graphic images and the text description involved in this manual and the actual material, please refer to the actual material.

EC DECLARATION OF CONFORMITY - HERSTELLERERKLARUNG - DECLARATION 'CE' DE CONFORMITE - DECLARACION DE CONFORMIDAD - DICHIARAZIONE DI CONFORMITA' EUROPEA - GELIJKVORMIGHEIDSVERKLARING - EC DEKLARATION I OVERENSSTEMMELSE - DECLARAÇAO CE DE CONFORMIDADE - EY ILMOITUS - FORSAKRAN OM OVERENSSTAMMELSE - BEKREFTENDE EU ERKLÆRING - ΔΉΛΩΣΗ ΕΚ ΣΥΜΜΌΡΦΩΣΗς - EUROPEJSKA DEKLARACJA ZGODNOSCI

1) MANUFACTURER – HERSTELLER – FABRICANT – FABRICANTE – COSTRUTTORE – CONSTRUCTEUR – PRODUCENT – FABRICANTE – VALMISTAJA – TILLVERKARE – FABRIKANT – Κατασκευαστής – PRODUCENT:
Blue Bird Industries Fabbrica Motori s.r.l.
Via Due Camini 19, 36010 Zanè (VI), Italia

2) DESCRIPTION OF THE MACHINERY – BESCHREIBUNG DER MASCHINE – DESCRIPTION DE LA MACHINE – DESCRIPCION DE LA MAQUINARIA – DESCRIZIONE DELLA MACCHINA – BESCHRIJVING VAN DE MACHINE – BESKRIVELSE AF MASKINEN – DESCRIÇAO DA MAQUINA – KONEEN NIMITYS – MATERIELSLAG – BESKRIVELSE AV MASKINERIET – ΠΕΡΙΓΡΑΦΗ ΤΩΝ ΜΗΧΑΝΩΝ – OPIS MASZYNY:
FORBICE A PALO – ELECTRIC POLE PRUNING SHEAR

a) MAKE – FABRIKAT – MARQUE – MARCA – MARCA – MERK – MÆRKE – MARCA – MERKKI – FABRIKAT – FABRIKANT – MAPKA – MARKA:
BLUE BIRD INDUSTRIES Fabbrica Motori srl
Via Due Camini 19, Zanè, Italia

b) TYPE / TYP / TYPE / TIPO / TIPO / TYPE / TYPE / TIPO / MALLI / TYPBE / TYPE / ΤΥΠΟΣ / TYP:
HPS 22-160
HPS 22-220

c) Il prodotto è conforme alle direttive - The product complies with the directives - Das Produkt entspricht den Richtlinien - Le produit est conforme aux directives - El producto cumple con las directivas :

- 2006/42/EC – 2014/30/EU – 2000/14/EC (2005/88/EC) – 2011/65/EU

d) REFERENCE TO STANDARDS/HARMONIZED STANDARDS - VERWEIS AUF NORMEN/HARMONISIERTE NORMEN - REFERENCE AUX NORMES/NORMES HARMONISEES - REFERENCIA A ESTANDARES/ESTANDARES ARMONIZADOS - RIFERIMENTO ALLE NORME/NORME ARMONIZZATE - REFERENTIE NAAR STANDAARDEN/GEHARMONISEERDE STANDAARDEN - REFERENCE TIL STANDARDER/HARMONISEREDE STANDARDER - REFERENCIA AS NORMAS/NORMAS HARMONIZADAS - VITTAUS STANDARDEIHIN/YHTEISIIN STANDARDEIHIN - REFERERANDE TILL STANDARDER/HARMONISERADE STANDARDER - HENVISNING TIL STANDARD/FELLES STANDARD - ΑΝΑΦΟΡΑ ΣΕ ΠΡΟΤΥΠΑ/ΕΝΑΡΜΟΝΙΣΜΕΝΑ ΠΡΟΤΥΠΑ - ODNIESIENIE DO NORM/NORM ZHARMONIZOWANYCH:

EN62841-1:2015
EN ISO 12100:2010

e) Il caricabatterie (mod. KH24-2520950-2E) è stato fabbricato e distribuito in conformità con le seguenti direttive: 2014/35/EU, 2014/30/UE e 2011/65/UE
The charger (mod. KH24-2520950-2E) has been manufactured and put on the market in accordance with the following directives:2014/35/EU,2014/30/EU and 2011/65/EU
Das Ladegerät (mod. KH24-2520950-2E) wurde gemäß den folgenden Richtlinien hergestellt und vertrieben: 2014/35/EU, 2014/30/UE e 2011/65/UE
Le chargeur (mod. KH24-2520950-2E) a été fabriqué et distribué conformément aux directives suivantes: 2014/35/EU, 2014/30/UE e 2011/65/UE
El cargador (mod. KH24-2520950-2E) fue fabricado y distribuido de acuerdo con las siguientes directivas: 2014/35/EU, 2014/30/UE e 2011/65/UE

Importato da - Imported by - Eingeführt von - Importé par - Importado por:

BLUEBIRD INDUSTRIES

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.
ZANE' (VI) – ITALIA 30-07-2024
The chairman – Der vorsitzender – Le président – El presidente – Il presidente – De voorzitter – Daglig leder – O presidente – Toimitusjohtaja – Verkställande direktör – Administrerende direktør – O ΠΡΟΕΔΡΟΣ - Prezes

VANDA VITELLA

(GB) Technical documentation maintained by
(F) Documentation technique maintenue par
(I) Documentazione tecnica conservata da
(DK) Teknisk dokumentation tillhandhallen av
(FI) Teknisten asiakirjojen yiläpitäjä
(NO) Teknisk dokumentasjion vedlikeholdt av
(D) Technische Dokumentation aktualisiert durch
(E) Documentacion tecnica mantenida por
(NL) Technische documentatie onderhouden door
(P) Documentaçao tecnica mantida por
(SE) Teknisk dokumentation tillhandhallen av
(GR) τεχνικό φάκελο που τηρείται από

BLUE BIRD INDUSTRIES – FABBRICA MOTORI s.r.l.

VANDA VITELLA

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