

Cordless Pole Hedge Trimmer
User Manual and Operating Instructions
Item Number: 21404



Fig.1

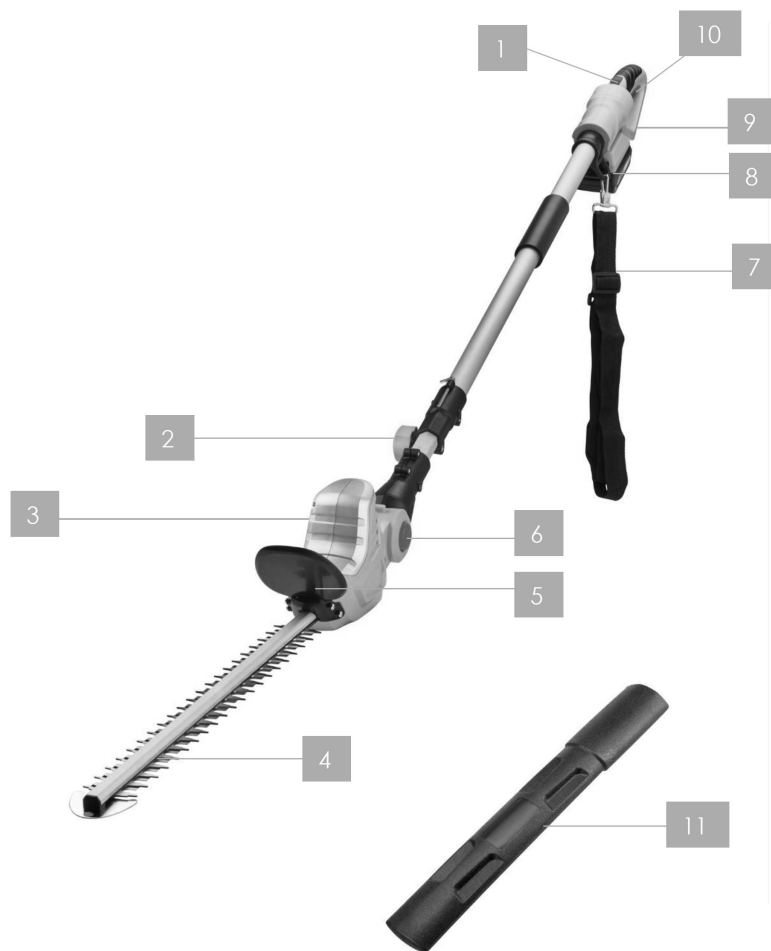


Fig.2

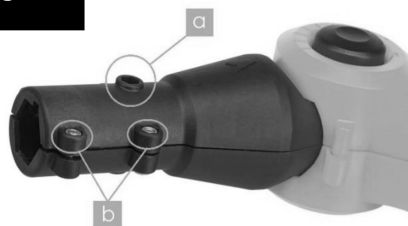


Fig.3

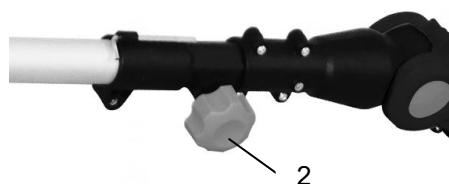
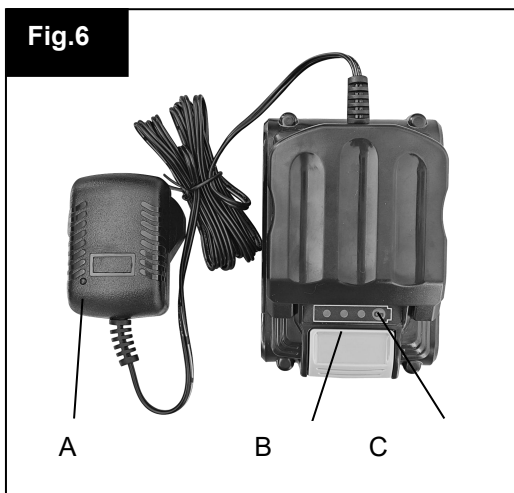


Fig.4



Fig.5





Safety warnings

All Operators Must Read These Instructions Before Use. These instructions are for your safety. Please read through them thoroughly before use and retain them for future reference.

General power tool safety warnings



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

The term “power tool” in the warnings refers to your battery-operated (cordless) power tool.

Work area safety

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

Electrical safety

1. **Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.**
2. **If operating a power tool in a damp location is unavoidable, take extra precautions to avoid electric shock.**

Personal safety

1. Stay alert, watch what you are doing, and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools can result in serious personal injury.
2. Use personal protective equipment. Always wear eye protection. Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.
3. Prevent unintentional starting. Ensure the switch is in the off-position before connecting to battery pack, picking up or carrying the tool. Carrying power tools with your finger on the switch or energizing power tools that have the switch on invites accidents.
4. Remove any adjusting key or wrench before turning the power tool on. A wrench or a key left attached to a rotating part of the power tool may result in personal injury.
5. Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.

6. Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts. Loose clothes, jewellery or long hair can be caught in moving parts.

Power tool use and care

1. **Do not force the power tool. Use the correct power tool for your application.** The correct power tool will do the job better and safer at the rate for which it was designed.
2. **Do not use the power tool if the switch does not turn it on and off.** Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
3. **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.
4. **Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use.** Many accidents are caused by poorly maintained power tools.
5. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
6. **Use the power tool, accessories and tool bits etc. in accordance with these instructions, taking into account the working conditions and the work to be performed.** Use of the power tool for operations different from those intended could result in a hazardous situation.

Battery tool use and care

1. **Recharge only with the charger specified by the manufacturer.** A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects that can make a connection from one terminal to another.** Shorting the battery terminals together may cause burns or a fire.
4. **Battery chemicals cause serious burns** – Never let a damaged battery pack contact the skin, eyes or mouth. If a damaged battery pack leaks battery chemicals, use rubber or neoprene gloves to safely dispose of it. If skin is exposed to battery fluids, wash the affected area with soap and water and rinse with vinegar. If eyes are exposed to battery chemicals, immediately flush with water for 20 minutes and seek medical attention. Remove and dispose of contaminated clothing.

Service

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

Hedge trimmer safety warnings:

1. **Keep all parts of the body away from the cutter blade. Do not remove cut material or hold material to be cut when blades are moving. Make sure the switch is off when clearing jammed material. Blades coast after turn off.** A moment of inattention while operating the hedge trimmer may result in serious personal injury.
2. **Carry the hedge trimmer by the handle with the cutter blade stopped.** Proper handling of the hedge trimmer will reduce possible personal injury from the cutter blades.
3. **Hold the power tool by insulated gripping surfaces only, because the cutter blade may contact hidden wiring or its own cord.** Cutter blades contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
4. **WARNING – Keep hands away from blade.** Contact with blade will result in serious personal injury.

Additional safety warnings

1. Keep hands and feet away from the cutting device at all times and especially when switching the product on.
2. Do not try to grasp or remove trimmings when the product is running. Only remove trimmings when the product is switched off and disconnected from the power supply.
3. Never hold the product by the guard.
4. Always be sure of a safe and secure operating position, whilst using the product.
5. Never use the product standing on steps or a ladder. Do not work over shoulder height.
6. Always ensure the safety guard supplied is fitted before using the product. Never attempt to use an incomplete product or one fitted with an unauthorized modification.
7. Check the cutting device regularly for damage, and if damaged repair immediately.

8. Do not overload the product.
 - Check immediately if the product starts to vibrate abnormally. Excessive vibration can cause injury.
 - Switch the product off when the cutting device is blocked. Disconnect it from power supply (i.e. remove the battery pack) and remove the blockage. Inspect the cutting device for damage before using the product again.
 - Follow the maintenance and repair instructions for this product. Never carry out any modifications of the product. Information about maintenance and repair is provided in this instruction manual.
 - Know how to stop the product quickly in an emergency.
 - Do not expose the product to rain. Do not operate the product on a wet hedge.
 - Use the product only in daylight or good artificial light.
 - Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome.
 - To reduce this risk when using the product, always wear protective gloves and keep your hands warm.
 - The symptoms of HAVS include any combination of the following: Tingling and numbness in the fingers; Not being able to feel things properly; Loss of strength in the hands; Fingers going white (blanching) and becoming red and painful on recovery (particularly in the cold and wet, and probably only in the tips at first). Seek medical advice immediately if such symptoms are experienced.
9. **Check the hedge for foreign objects before operation, e.g. wire fences.** Take care that the cutting device does not come into contact with wire or other metal objects.
10. **Hold the hedge trimmer properly, e.g. with both hands if two handles are provided.** Loss of control can cause personal injury.

Maintenance and storage

1. Disconnect the product from the power supply (i.e. remove the plug from the power supply or the battery pack) and check for damage after use.
2. Disconnect the product from the power supply (i.e. remove the plug from the power supply or the battery pack) before carrying out maintenance or cleaning work.
3. Use only the manufacturer's recommended replacement parts and accessories.
4. Inspect and maintain the product regularly. Have the product repaired only by an authorized service centre or similar qualified specialist.
5. When not in use, store the product out of the reach of children.

Additional safety warnings for charger

1. This charger can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the charger in a safe way and understand the hazards involved.
2. Children shall not play with the charger.
3. Cleaning and user maintenance shall not be made by children without supervision.
4. Disconnect the charger from the power supply and allow it to cool down before cleaning, maintenance, storage and transportation.
5. Before using the charger, read all the instructions and cautionary markings on the charger and battery pack.
6. The charger and battery pack supplied with it are specifically designed to work together. Only use the charger with the battery pack for this tool.
7. Charge the battery pack indoors only as the charger is designed for indoor use only.
8. Do not charge non-rechargeable batteries.
9. Protect the charger against moisture and wet conditions. There is a danger of electric shock.
10. Do not place any object on top of the charger as it could cause overheating. Do not place the charger near any heat source.
11. Do not use an extension cord unless it is absolutely necessary. The use of an improper extension cord could cause the risk of fire, electric shock or electrocution.
12. Do not use the charger if it has been subjected to a heavy knock, dropped or otherwise damaged in any way. Have the charger checked and repaired by an authorized service centre.

Additional safety warnings for battery packs

1. Do not attempt to charge the battery pack with any other charger than the one supplied. The charger and battery pack supplied with it are specifically designed to work together.
2. Charge and store the battery pack in an ambient temperature of 18 - 24°C (65 - 75°F) to ensure the longest battery life and best performance. Do not charge or store the battery pack in temperatures below 0°C (32 °F) and above 45°C (113°F).

3. Small leakage of liquid from the battery pack may occur under extreme usage or temperature conditions. However, if the outer seal is broken and this leakage comes into contact with your skin wash the affected area quickly with water. If the leakage gets in your eyes flush your eyes with clean water for a minimum of 10 minutes and seek immediate medical attention.
4. Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks open or cracks, immediately discontinue its use and do not recharge it.
5. Do not store or carry a spare battery pack in a pocket or toolbox or any other place where it may come into contact with metal objects. The battery pack may be short-circuited causing damage to the battery pack, burns or a fire.
6. Do not pierce the battery with nails, strike the battery with a hammer, step on the battery or otherwise subject it to strong impacts or shocks.
7. Protect the battery pack against heat. Do not place the battery in direct sunlight or use or store the battery inside cars in hot weather. Doing so may cause the battery to generate heat, explode or ignite.
8. Never try to charge a battery pack that is cracked or damaged in any other way. There is a danger of electric shock or electrocution.

Vibration and noise reduction

To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.

Take the following points into account to minimize the vibration and noise exposure risks:

1. Only use the product as intended by its design and these instructions.
2. Ensure that the product is in good condition and well maintained.
3. Use correct attachments for the product and ensure they are in good condition.
4. Keep tight grip on the handles/grip surface.
5. Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
6. Plan your work schedule to spread any high vibration tool use across a longer period of time.

Emergency

Familiarize yourself with the use of this product by means of this instruction manual. Memorize the safety directions and follow them to the letter. This will help to prevent risks and hazards.

1. **Always be alert when using this product, so that you can recognize and handle risks early.** Fast intervention can prevent serious injury and damage to property.
2. **Switch off and disconnect from the power supply if there are malfunctions.** Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.

Residual risks

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:









1. Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
2. Injuries and damage to property due to broken cutting attachments or the sudden impact of hidden objects during use.
3. Danger of injury and property damage caused by flying objects.



WARNING! This product 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 to consult their doctor and the medical implant manufacturer before operating this product!

Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarize yourself with them to reduce hazards like personal injuries and damage to property.

	Read the instruction manual.
	Wear hearing protection.
	Wear eye protection.
	Wear a dust mask.
	Wear protective gloves.
	Wear protective, slip-resistant footwear.
	Do not expose the product to rain or wet conditions (moisture).
	Keep fingers away from moving cutting device!

Description of parts

- 1.Start/stop button
- 2.Handle extender dial
- 3.Air vents
- 4.Blade
- 5.Protective screen
- 6.Angle adjusting button
- 7.Shoulder strap
- 8.Battery location
9. Handle
10. Safety lock-off
- 11.Protective cover for blade

Technical specifications

Voltage	20V DC
Battery type	Lithium-Ion
Battery capacity	2000mAh
Charging time	3-5 hours
Cutting length	510mm
No load speed	1000/min
Tooth gap of cutter blade	16mm
Sound pressure level LpA	72.5 dB(A)
Uncertainty KpA	3.0 dB(A)

Sound power level LwA	89.7 dB(A)
Uncertainty KpA	3.0 dB(A)
Guaranteed sound power level LwA	92 dB(A)
Rear handle m/s ²	2.6 m/s ²
Uncertainty K	1.5 m/s ²



WARNING! Depending on the actual use of the product the vibration values can differ from the declared total. Adopt proper measures to protect yourself against vibration exposures. Take the whole work process including times the product is running under no load or switched off into consideration.

Proper measures include among others regular maintenance and care of the product and accessories, keeping hands warm, periodical breaks and proper planning of work processes.

Before you start

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices, if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



WARNING! The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

Assembly



Before using the product, familiarize yourself with the operating features read the entire instruction manual paying particular attention to the safety rules and operating procedures.

1. Remove the bolt shown in position 'a' (right) and loosen the four bolts around the outside of the bracket (position 'b'); the two bolts on the other side are not shown. (Fig.1)
2. Insert the pole section into the machine to join the handle and hedge trimmer sections together, ensuring the correct orientation. You may need to extend the pole slightly (see step 4 below).
3. Secure the pole in place by inserting the bolt removed from step 1 back into position 'a'. Pass the bolt through the corresponding hole in the pole and tighten. Re-tighten the four bolts around the outside of the bracket (b).
4. To adjust the length of the handle, gently turn the dial (Fig.3/item 2) counter-clockwise and extend the pole to the desired length, then re-tighten the dial.
5. To adjust the angle of the machine, press the angle adjusting button (Fig.4/item 6) and gently move the head until it is in the desired position.

Charging the battery

1. Remove the battery from the machine.
2. Slide the charging dock onto the battery as shown in the image (Fig.5) and plug the charger into a power socket. The red light (Fig.6/Item A) on the plug will turn on, indicating charging is underway.

3. The charger will stop charging once the battery is fully charged (after approximately 3-5 hours). Press the red button (Fig.6/Item C) on the battery to check the current charge level. Switch off the power source and remove the battery from the charger.

Battery capacity indicator

Press the switch (Fig.6/Item C) for the battery capacity indicator (Fig.6/Item B). The battery capacity indicator shows the charge status of the battery using 3 LEDs. (Fig.6)

All 3 LEDs are lit:

The battery is fully charged.




2 LED(s) are lit:

The battery has an adequate remaining charge.

1 LED are lit:

The battery has low capacity and requires charging.

The charger may become warm when charging; this is normal and does not indicate a fault with the charger.

 	<p>WARNING! The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!</p> <p>Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!</p> <p>Do not connect the battery pack to the product before it is completely assembled!</p>
	<p>NOTE: Take care of small parts that are removed during assembly or when making adjustments. Keep them secure to avoid loss.</p>

Instructions for use

1. Make sure that the battery is fully charged.
2. Check that the machine is in good condition, air vents are clear, and blades are debris free and lubricated.
3. Place the shoulder strap over your shoulder and lift the machine, make sure that you feel comfortable holding it before you switch it on.
4. Switch the machine on by pressing the main switch then squeeze the handle to start cutting.
5. When you let go of the handle the machine will stop.
6. Always hold the product by the handles. Keep the handles dry to ensure safe support.
7. Do not over work yourself. Take regular breaks to ensure you can concentrate on the work and you have full control over the product.
8. When cutting wide hedges, cut in several stages, moving the blade in a sweeping motion. For optimum cutting performance tilt the blade slightly downwards.
9. Do not allow the machine to overheat. If it does, switch it off for at least 30 minutes and allow to cool.
10. To prolong the life of the blade and motor, a small amount of 3 in 1 oil can be used to lubricate.

Trimming times



For reference only

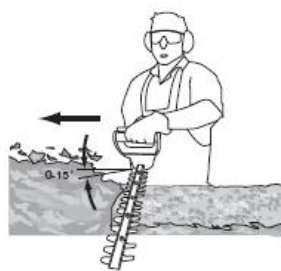


Fig. 7

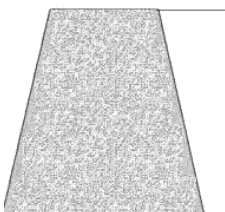
Fig. 8

When cutting wide hedges with the cutting area in sight move the cutting blade lightly through the cutting surface in a sweeping motion following the shape of the hedge or shrub. A slight tilt downwards of the cutting blade in the direction of motion is recommended for optimum cutting performance.

Cut in a number of stages if the area being cut is particularly long to achieve a better result; smaller cuttings will allow for easy composting.



NOTE: When shaping it is advisable to achieve a trapezoidal shape (Fig. 9). A trapezoidal cut corresponds to the natural growth of plants and results in optimal hedge growth, as it will expose more light to the lower end of the hedge.



For reference only

Fig.9

After use



WARNING! Always switch the product off, remove the battery pack and let the product cool down before performing inspection, maintenance and cleaning work!

1. Keep the product clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the product's lifespan.
3. Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



WARNING! Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

General cleaning

1. Clean the product with a dry cloth. Use a brush for areas that are hard to reach.
2. In particular clean the air vents after every use with a cloth and brush.
3. Remove stubborn dirt with high pressure air (max. 3 bar).



NOTE: Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

4. Check for worn or damaged parts. Replace worn parts as necessary or contact an authorized service centre for repair before using the product again.

Cutting device (blade)



WARNING! Wear safety gloves when working on the cutting device and close to it! Use appropriate tools to remove debris, e.g. a brush or wooden stick! Never use your bare hands!

Always use original spare parts for replacement. Do not attach any other type of cutting device!

The replacement of the cutting device should be done by a qualified specialist! Rework or sharpening blades is not recommended unless it is done by a repair service or a similarly qualified specialist!

1. Keep the cutting device **(4)** clean and free of debris. Remove trimmings.
2. Apply a small amount of suitable lubricant on the cutting device **(4)** to retain a good cutting performance (Fig. 10).

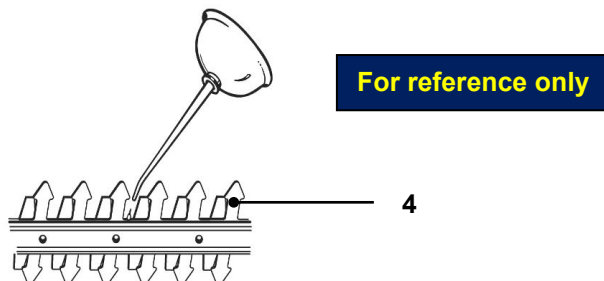


Fig.10

3. Keep the cutting device (1) sharp. Have a worn or damaged cutting device replaced with a new one of the same type by a qualified specialist.
4. Tighten loose nuts on the cutting device with an 8 mm wrench with 5 Nm min, 7 Nm max. to ensure safe operation of the product.
5. Adjust the distance between blades if necessary.

Storage

1. Switch the product off and remove the battery pack.
2. Clean the product as described above.
3. Attach the blade cover **(11)**.
4. Store the product and its accessories in a dark, dry, frost-free, well-ventilated place.
5. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10°C and 40°C.
6. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.

Transportation

1. Switch the product off and remove the battery pack.
2. Attach the blade cover (11).
3. Always carry the product by its handle (7).
4. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
5. Secure the product to prevent it from slipping or falling over.

Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore, check the product using this section. In most cases the problem can be solved quickly.



WARNING! Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorized service center or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
·Product does not start	·Battery pack not properly attached ·Battery pack discharged ·Battery pack damaged ·Electrical defect to the product	·Attach properly Remove and charge battery pack ·Replace with a new one of the same ·Check by a specialist electrician
·Product does not reach full power	·Low battery capacity ·Air vents are blocked	·Charge battery pack ·Clean the air vents
·Unsatisfactory result	·Blade is worn/damaged ·Thickness of branches exceeds capacity	·Replace with a new one ·Only cut branches complying with the capacity
·Excessive vibration or noise	·Blade is dull/damaged ·Bolts/nuts are loose	·Have it replaced with new one ·Tighten bolts/nuts

Disposal



Disposal of the appliance

A crossed-out wheeled bin icon means: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or local store for recycling regulations.

- Do not dispose of electrical appliances as unsorted municipal waste. Use separate collection facilities.
- Contact your local government agency for information regarding the collection systems available.
- If electrical appliances are disposed of in landfills or dumps, hazardous substances can leak into the groundwater and get into the food chain, damaging your health and well-being.
- When replacing old appliances with new ones, the retailer is legally obligated to take back your old appliance for disposal at least free of charge. The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is functioning properly. Recycle the package afterwards or keep it for long-term storage.



Battery Caution + Disposal

Always dispose of your battery pack according to federal, state, and local regulations. Contact a recycling agency in your area for recycling locations.



CAUTION! Even discharged battery packs contain some energy. Before disposing, use electrical tape to cover the terminals to prevent the battery pack from shorting, which could cause a fire or explosion.

Service + Support:

If power tool requires service or maintenance, please contact Sporty's Preferred Living customer service at 1-800-776-7897 or via email at PreferredLiving@sportys.com