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# GRASS/HEDGE SHEAR 7.2V POWEG4500

## 1 APPLICATION

This item is produced for light shearing and trimming of shrubs, small hedges and grass in domestic use. It's not designed for commercial use.



**WARNING! For your own safety, read this manual and the general safety instructions carefully before using the appliance. . Your power tool should only be given to other users together with these instructions.**

## 2 DESCRIPTION (FIG. A)

1. Blade
2. Charger LED-indicator
3. Safety lock
4. Handle with soft grip
5. On/Off switch
6. Drive cover
7. Battery charger
8. Drive cover release button
9. Security key

## 3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packaging and packing inserts (if included).
- Check that the package contents are complete.
- Check the appliance, the power cord, the power plug and all accessories for transportation damage.
- Keep the packaging materials as far as possible until the end of the warranty period. Then take it to your local waste disposal system.



**WARNING: Packaging materials are not toys! Children must not play with plastic bags! There is a danger of suffocation!**

1x item  
1x charger  
1x manual  
2xblades (one for grass, one for shrub)









**If any parts are missing or damaged, please contact your dealer.**

## 4 SYMBOLS

In this manual and/or on the machine the following symbols are used:

	Denotes risk of personal injury or damage to the tool.		In accordance with essential requirements of the European directive(s).
	Read manual before use.		Wear eye protection.

	Wear noise protection.		Wear gloves.
	Ambient temperature 40 °C max. (only for battery).		Do not expose charger and battery pack to water.
	Use battery and charger only in closed rooms.		Do not incinerate battery pack or charger.

## 5 GENERAL POWER TOOL SAFETY WARNINGS

Read all safety warnings and instructions. Failure to heed warnings and follow instructions may result in electric shock, fire and/or serious injury. Keep safety warnings and instructions for future reference. The term "power tool" in the safety warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

### 5.1 Working area

- Keep working area clean and well lit. Untidy and dark areas can lead to accidents.
- Do not operate power tools in potentially explosive surroundings, for example, in the presence of inflammable liquids, gases or dust. Power tools create sparks which may ignite the dust or fumes.
- Keep children and bystanders at a distance when operating a power tool. Distractions can cause you to lose control of it.

### 5.2 Electrical safety



**Always check that the power supply corresponds to the voltage on the rating plate of the charger.**

- Always check that the power supply corresponds to the voltage on the rating plate.
- Power tool plugs must match the outlet. Never modify the plug in any way. Do not use adapter plugs with earthed power tools. Unmodified plugs and matching outlets will reduce the risk of a lethal electric shock.
- Avoid body contact with earthed surfaces such as pipes, radiators, kitchen ranges and refrigerators. There is an increased risk of a lethal electric shock if your body is earthed.
- Do not expose power tools to rain or wet conditions. If water gets inside a power tool, it will increase the risk of a lethal electric shock.
- Do not damage the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep the cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of a lethal electric shock.
- When operating a power tool outdoors, use an extension cable suitable for outdoor use. Using a cord suitable for outdoor use reduces the risk of a lethal electric shock.
- If operating a power tool in a damp location is unavoidable, use a power supply protected by a residual current device (RCD). Using an RCD reduces the risk of a lethal electric shock.

**5.3 Personal safety**

- Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool when you are tired or under the influence of drugs, alcohol or medication. A moment of inattention when operating a power tool may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Using safety equipment such as a dust mask, non-skid safety shoes, a hard hat, or hearing protection whenever it is needed will reduce the risk of personal injury.
- Avoid accidental starts. Ensure the switch is in the off position before inserting the plug. Carrying power tools with your finger on the switch or plugging in power tools when the switch is in the on position makes accidents more likely.
- Remove any adjusting keys or spanners before turning on the power tool. A spanner or key left attached to a rotating part of the power tool may result in personal injury.
- Do not reach out too far. Keep your feet firmly on the ground at all times. This will enable you retain control over the power tool in unexpected situations.
- Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from the power tool. Loose clothes, jewellery or long hair can become entangled in the moving parts.
- If there are devices for connecting dust extraction and collection facilities, please ensure that they are attached and used correctly. Using such devices can reduce dust-related hazards.

**5.4 Power tool use and care**

- Do not expect the power tool to do more than it can. Use the correct power tool for what you want to do. A power tool will achieve better results and be safer if used in the context for which it was designed.
- Do not use the power tool if the switch cannot turn it on and off. A power tool with a broken switch is dangerous and must be repaired.
- Disconnect the plug from the power source before making adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- Store power tools, when not in use, out of the reach of children and do not allow people who are not familiar with the power tool or these instructions to operate it. Power tools are potentially dangerous in the hands of untrained users.
- Maintenance. Check for misalignment or jammed moving parts, breakages or any other feature that might affect the operation of the power tool. If it is damaged, the power tool must be repaired. Many accidents are caused by using poorly maintained power tools.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to jam and are easier to control.
- Use the power tool, accessories and cutting tools, etc., in accordance with these instructions and in the manner intended for the particular type of power tool, taking into account the working conditions and the work which needs to be done. Using a power tool in ways for which it was not intended can lead to potentially hazardous situations.

**5.5 Service**

- Your power tool should be serviced by a qualified specialist using only standard spare parts. This will ensure that it meets the required safety standards.

## **6 SPECIAL SAFETY REGULATIONS FOR CORDLESS GRASS/HEDGE SHEAR**

### **6.1 *Shrub shears safety warning***

- 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. A moment of inattention while operating the machine may result in serious personal injury.
- Carry the machine by the handle with the cutter blade stopped. When transporting or storing the machine always fit the cutting device cover. Proper handling of the machine will reduce possible personal injury from the cutter blades.
- Keep cables away from cutting area. During operation the cable may be hidden in shrubs and can be accidentally cut by the blade.

### **6.2 *Grass shears safety warning***

- Keep supply and extension cords away from cutting means.
- Use the machine only in daylight or good artificial light.
- Never operate the machine with damaged guards or shields or without guards or shields in place.
- Switch on the motor only when the hands and feet are away from the cutting means.
- Always disconnect the machine from the power supply (i. e. remove the plug from the mains or remove the disabling device)
  - whenever leaving the machine unattended
  - before clearing a blockage
  - before checking, cleaning or working on the unit
  - after striking a foreign object
  - whenever the machine starts vibrating abnormally
- Take care against injury to feet and hands from the cutting means.
- Always ensure that the ventilation openings are kept clear of debris.

### **6.3 *Battery/Battery charger safety warnings***

- Protect the battery charger from rain and moisture. The penetration of water in a battery charger increases the risk of electric shock.
- 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.
- Do not charge other batteries. The battery charger is suitable only for charging lithium ion batteries of POWEG4500. Otherwise danger, fire and explosion may occur.
- Keep the battery charger clean. Contamination may cause the danger of electric shock.
- Check the battery charger, cable and plug each time before using. Do not use the battery charger when defects are detected. Do not open the battery charger yourself and have it repaired only by qualified personnel using original spare parts. Damaged battery chargers, cables and plugs increase the risk of electric shock.
- Do not operate the battery charger on easily inflammable surfaces (e. g. paper, textiles, etc.) or in combustible environments. There is danger of fire due to the heating of the battery charger during charging.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.
- Do not open the battery yourself. There is danger of a short circuit.
- Protect the battery against heat, e.g., including against continuous sun irradiation and fire. There is a danger of explosion.
- Do not short-circuit the battery. There is a danger of explosion.

- In case of damage and improper use of the battery, vapours may be emitted. In case of complaints, provide for fresh air and consult a physician. The vapours can irritate the respiratory system.

## **7 OPERATION**

### **7.1 Charging procedure**

The battery charger supplied matches only to the Li-ion battery installed in POWEG4500. Do not use other battery chargers.



**The Li-ion battery is protected against deep discharging.**

When the battery is empty, the machine is switched off by means of a protective circuit: The blade (1) no longer moves and a slight whistling sound can be heard.

### **7.2 Charging the battery**

The charging process starts as soon as the small plug is inserted in the machine and when the mains plug of the battery charger is inserted in the socket.



**During the charging procedure, the handle of the machine warms up. This is normal.**



**When not using for extended periods, disconnect the battery charger from the socket.**

**Do not use the machine during the charging procedure.**

### **7.3 Switching on/off**

#### **7.3.1 Security key (Fig. 1)**



**Pull out the security key before you replace the blades!**

The security key controls the on/off stand.

- The security key pulled out: the machine doesn't work.
- The security key plugged into the machine: the machine works normal.

#### **7.3.2 Starting:**

- Push in safety lock (3) and press On/Off switch (5) at the same time.
- Release safety lock (3).

#### **7.3.3 Stopping:**

- Release the On/Off switch (5).

### **7.4 Changing blades**



**Wear gloves when changing the blade.**

#### 7.4.1 Removing (Fig. 2-3)

- Push the blade cover release button (8) and slide the cover (6) towards the On/Off switch (5).
- Lift away from the housing.
- Lift the blade (1) out.

#### 7.4.2 Fitting

- Fit the blade as shown aligning the holes in the blade onto the drive pins. (Fig. 4)
- When refitting the drive cover (6) ensure all 4 location legs are inside the housing prior to sliding cover into place.
- Slide the blade cover back towards the blade (1) to secure. (Fig. 5)

## 8 WORKING INSTRUCTIONS



**Keep your fingers away from the blades.**

### 8.1 *Shrub shear (Fig. 6)*

#### 8.1.1 Cutting hedges



**Before cutting check the hedge for foreign objects e. g. wire fences.**

Cut stems up to 6 mm in thickness. When cutting, move steadily along the line of cut, so that stems are fed directly into the cutter blades. The double edge of the cutting blade enables cutting to either direction, or with a side to side motion.

After use replace the blade transport guard.

Recommended cutting/trimming times:

- Cut hedges with deciduous leaves in June and October.
- Cut evergreen hedges in April and August.
- Cut conifer and other fast growing shrubs approx. every six weeks from May onwards.

### 8.2 *Grass shear (Fig. 7)*

#### 8.2.1 Edging

Guide the machine along the edge of the lawn. Do not allow the blade to contact paved surfaces, stones or garden walls, since this will wear the blade rapidly.

## 9 MAINTENANCE



**Note: To ensure long and reliable service, carry out the following maintenance regularly.**

- Check for obvious defects such as loose, dislodged or damaged blade, loose fixings and worn or damaged components.
- Check that covers and guards are undamaged and correctly fitted. Carry out necessary maintenance or repairs before using.
- If the machine should happen to fail despite the care taken in manufacturing and testing, repair should be carried out by our technical department.



## 9.1 Blade maintenance

Always clean the cutting blades after operation and lubricate with oil.  
During longer cutting jobs, we recommend periodically lubricating the cutting blade.  
Visually check the condition of the cutting edges of the cutting blade.  
Ensure that the blade is covered with the blade guard supplied when not in use.

## 9.2 Cleaning/ storage

Clean the exterior of the machine thoroughly using a soft brush and cloth. Do not use water, solvents or polishes. Remove all debris, especially from the ventilation slots. Store the machine in a secure dry place out of reach of children. Do not place other objects on top of the machine.

## 9.3 Service department

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

## 10 TECHNICAL DATA

Type	POWEG4500
Rotation speed	1100 min <sup>-1</sup>
Rated voltage DC	7.2 V
Battery capacity	1500 mAh
Battery type	Li-ion
Knife distance	6 mm
Charging time	3-5 h
Soft grip	Yes
Hedge trimmer: blade length	120 mm
Hedge trimmer: cutting width	8 mm
Grass shear: blade width	83 mm

## 11 NOISE

Noise emission values measured according to relevant standard. (K=3)

Acoustic pressure level LpA	62 dB(A)
Acoustic power level LwA	90 dB(A)



**ATTENTION! Wear hearing protection when sound pressure is over 85 dB(A).**

aw (Vibration)	2.2 m/s <sup>2</sup>	K = 1.5 m/s <sup>2</sup>
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## 12 SERVICE DEPARTMENT

- Damaged switches must be replaced by our after-sales service department.
- If the connecting cable (or mains plug) is damaged, it must be replaced by a particular connecting cable which is available from our service department. Replacement of the connecting cable must only be carried out by our service department (see last page) or by a qualified person (qualified electrician).

## 13 STORAGE

- Ensure battery is removed before storage.
- Battery should be stored between 0 & 45 °C, incorrect storage could result in battery damage.

- Thoroughly clean the whole machine and its accessories.
- Store it out of the reach of children, in a stable and secure position, in a cool and dry place, avoid too high and too low temperatures.
- Protect it from exposure to direct sunlight. Keep it in the dark, if possible.
- Don't keep it in plastic bags to avoid humidity build-up.

## **14 WARRANTY**

- This product is warranted as provided by law for a 24 -month period effective from the date of purchase by the first user.
- This warranty covers all material or production flaws excluding : batteries, chargers, defective parts subject to normal wear & tear such as bearings, brushes, cables, and plugs, or accessories such as drills, drill bits, saw blades, etc. ; damage or defects resulting from maltreatment, accidents or alterations; nor the cost of transportation.
- Damage and/or defects resulting from inappropriate use also do not fall under the warranty provisions.
- We also disclaim all liability for any bodily injury resulting from inappropriate use of the tool.
- Repairs may only be carried out by an authorised customer service centre for Powerplus tools.
- You can always obtain more information at the number 00 32 3 292 92 90.
- Any transportation costs shall always be borne by the customer, unless agreed otherwise in writing.
- At the same time, no claim can be made on the warranty if the damage of the device is the result of negligent maintenance or overload.
- Definitely excluded from the warranty is damage resulting from fluid permeation, excessive dust penetration, intentional damage (on purpose or by gross carelessness), inappropriate usage (use for purposes for which the device is not suitable), incompetent usage (e.g. not following the instructions given in the manual), inexperienced assembly, lightning strike, erroneous net voltage. This list is not exhaustive.
- Acceptance of claims under warranty can never lead to the prolongation of the warranty period nor commencement of a new warranty period in case of a device replacement.
- Devices or parts which are replaced under the warranty therefore remain the property of Varo NV.
- We reserve the right to reject a claim whenever the purchase cannot be verified or when it is clear that the product has not been properly maintained. (Clean ventilation slots, carbon brushes serviced regularly, etc.).
- Your purchase receipt must be kept as proof of date of purchase.
- Your appliance must be returned undismantled to your dealer in an acceptably clean state, (in its original blow-moulded case if applicable to the unit), accompanied by proof of purchase.

## **15 ENVIRONMENT**



Should your appliance need replacement after extended use, do not dispose of it with the household refuse, but in an environmentally safe way.

Please dispose of used motor oil in a manner that protects the environment. We suggest you take it in a sealed container to your local service station for recycling. Do not throw it into the refuse or pour it on the ground.

### **15.1 Battery**



This product contains Li-ion. To preserve natural resources, please recycle or dispose of batteries properly. Local, state or federal laws may prohibit disposal of Li-ion batteries in ordinary trash. Consult your local waste authority for information regarding available recycling and/or disposal options.

**16 DECLARATION OF CONFORMITY**

**VARO – Vic. Van Rompuy N.V.** - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM,  
declares that,

Product: Grass/Hedge shear 7.2 V  
trade mark: PowerPlus  
model: POWEG4500

is in conformity with the essential requirements and other relevant provisions of the applicable European Directives, based on the application of European harmonized standards. Any unauthorized modification of the apparatus voids this declaration.

European Directives (including, if applicable, their amendments up to the date of signature):

2011/65/EU

2006/42/EC

2014/30/EU

2000/14/EC

Annex V

LwA

Measured

77dB(A)

Guaranteed

90dB(A)

European harmonized standards (including, if applicable, their amendments up to the date of signature):

EN60745-1 : 2009

EN60745-2-15 : 2009

EN60335-1 : 2012

EN50636-2-94 : 2014

EN55014-1 : 2017

EN55014-2 : 2015

Keeper of the Technical Documentation: Philippe Vankerkhove, VARO – Vic. Van Rompuy N.V.

The undersigned acts on behalf of the company CEO,

Philippe Vankerkhove  
Regulatory Affairs – Compliance Manager  
03/07/2020, Lier - Belgium