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GRASS TRIMMER 20 V 250 MM POWDPG7540

1 APPLICATION

Your grass trimmer has been designed for trimming and finishing lawn edges and to cut grass in confined spaces. This tool is intended for consumer use only.

Not suitable for professional use.



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

2 DESCRIPTION (FIG. A)

- | | |
|---|---|
| 1. Lock-off button | 11. Protective guard |
| 2. ON/OFF switch | 12. Bracket with two wheels |
| 3. Auxiliary handle | 13. Thread cutter |
| 4. Adjustment button for auxiliary handle | 14. Spool cover |
| 5. Extension lock knob | 15. Line cutter |
| 6. Extension tube | 16. Battery pack (NOT INCLUDED) |
| 7. Lock screw of bracket | 17. Battery pack release button |
| 8. Head angle button | 18. Charger (NOT INCLUDED) |
| 9. Trimmer head | 19. Battery capacity indicator |
| 10. Flower guard | 20. Button for battery capacity indicator |

3 PACKAGE CONTENT LIST

- Remove all packaging materials.
- Remove remaining packing and package 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 packing materials as long as possible till the end of the warranty period. Dispose it into your local waste disposal system afterwards.



WARNING: Packaging materials are not toys! Children must not play with plastic bags! Danger of suffocation!

Safety guard (with screws)
Grass trimmer
Bracket with two wheels















Flower guard
Manual



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.		Wearing of protective shoes advised.
	Read instructions carefully.		Wear gloves.
	Wear safety glasses and ear protection.		Keep a minimum distance of 15 m between the machine and third parties during use.
	Never operate the machine in the rain or in damp or wet condition. Moisture is a shock hazard.		Wear a mask in dusty conditions.
	Class II - The machine is double insulated; Earthing wire is therefore not necessary.		In accordance with essential requirements of the European directive(s).
	Do not expose charger and battery pack to water.		Do not incinerate battery pack or charger.
	Ambient temperature 40 °C max. (only for battery).		Use battery and charger only in closed rooms.

5 GENERAL POWER TOOL SAFETY WARNINGS



Read all safety warnings and all instructions. Failure to follow all 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 mains operated (corded) power tool or battery operated (cordless) power tool.

5.1 Work area

- Keep work area clean and well lit. Cluttered and dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

5.2 Electrical safety

- 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 any adapter plugs with earthed (grounded) power tools. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is earthed or grounded.

- Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electric shock.
- Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts. Damaged or entangled cords increase the risk of electric shock.
- When operating a power tool outdoors, use an extension cord suitable for outdoor use. Use of a cord suitable for outdoor use reduces the risk of electric shock.
- If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply. Use of an RCD reduces the risk of 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 while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
- Use safety equipment. Always wear eye protection. Safety equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used whenever conditions require will reduce personal injuries.
- Avoid accidental starting. Ensure the switch is in the off position before plugging in. Carrying power tools with your finger on the switch or plugging in power tools that have the switch on invites accidents.
- 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.
- Do not overreach. Keep proper footing and balance at all times. This enables better control of the power tool in unexpected situations.
- 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.
- If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used. Use of these devices can reduce dust related hazards.

5.4 Power tool use and care

- 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.
- 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.
- Disconnect the plug from the power source before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
- 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.
- Maintain power tools. Check for misalignment or sticking 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.
- Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to stick and are easier to control.
- Use the power tool, accessories and tool bits 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 to be performed. Use of the power tool for operations different from intended could lead to a hazardous situation.

5.5 Service

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

6 ADDITIONAL SAFETY RULES FOR GRASS TRIMMERS

- Grass trimmers must not be used by children or untrained persons.
- Wear stout shoes or boots to protect your feet.
- Wear long trousers to protect your legs.
- Check the appliance before use. If it is damaged, it must not be used.
- If the unit is damaged, have the damage repaired by an authorized repair agent.
- Do not use the appliance in the presence of children and/or animals.
- Only use the appliance in daylight or with good lighting.
- Never use the appliance without the guard in place.
- Before using the appliance, remove sticks, stones, wire and other obstacles from the surface on which you intend to work.
- Only use the appliance in an upright position, with the cutting line pointing to the ground. Never switch on the appliance in another position.
- Always keep your hands and feet away from the cutting line.
- Avoid touching the cutting line.
- Before putting the appliance down, switch it off and wait for the cutting line to come to a complete standstill. Never attempt to bring the cutting line to a standstill yourself.



Beware. After switching off the appliance it continues to rotate for a short time.

- Only use the type of cutting line recommended by the manufacturer. Never use a metal cutting line or fishing line.
- After use, always store the appliance safely and out of the reach of children.

7 ADDITIONAL SAFETY INSTRUCTIONS FOR BATTERIES AND CHARGERS



Use only batteries and chargers applicable for this machine.

7.1 Batteries

- Never attempt to open for any reason.
- Do not store in locations where the temperature may exceed 40 °C.
- Charge only at ambient temperatures between 4 °C and 40 °C.
- Store your batteries in a cool dry place (5 °C-20 °C). Never store batteries in discharged state.
- It is better for Li-ion batteries to discharge and reload them regularly (at least 4 times a year). The ideal charge for long-term storage of your Li-ion battery is 40% of capacity.
- When disposing of batteries, follow the instructions given in the section "Protecting the environment".
- Do not cause short circuits. If connection is made between the positive (+) and negative (-) terminal directly or via accidental contact with metallic objects, the battery is short circuited and an intense current will flow causing heat generation which may lead to casing rupture or fire.
- Do not heat. If batteries are heated to above 100 °C, sealing and insulating separators and other polymer components may be damaged resulting in electrolyte leakage and/or internal short circuiting leading to heat generation causing rupture or fire. Moreover do not dispose of the batteries in fire, explosion and/or intense burning may result.

- Under extreme conditions, battery leakage may occur. When you notice liquid on the battery, proceed as follows:
 - Carefully wipe the liquid off using a cloth. Avoid skin contact.
 - In case of skin or eye contact, follow the instructions below:
 - ✓ Immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar.
 - ✓ In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.



Fire hazard! Avoid short-circuiting the contacts of a detached battery. Do not incinerate the battery.

7.2 Chargers

- Never attempt to charge non-rechargeable batteries.
- Have defective cords replaced immediately.
- Do not expose to water.
- Do not open the charger.
- Do not probe the charger.
- The charger is intended for indoor use only.

8 CHARGING AND INSERTION OR REMOVAL OF BATTERY

8.1 Charger indications

Connect the charger to the power outlet socket.

- Solid green: ready to charge.
- Flickering red: charging.
- Solid green: charged.
- Solid green and red: battery or charger damaged.



Note: if the battery does not fit properly, disconnect it and confirm that the battery pack is the correct model for this charger as shown on the specification chart. Do not charge any other battery pack or any battery pack that does not securely fit the charger.

1. Frequently monitor the charger and battery pack while connected.
2. Unplug the charger and disconnect it from the battery pack when finished.
3. Allow the battery pack to cool completely before using it.
4. Store the charger and battery pack indoors, out of reach of children.



NOTE: If battery is hot after continuous use in the tool, allow it to cool down to room temperature before charging. This will extend the life of your batteries.

8.2 Removal / insertion of battery



WARNING: Before making any adjustments ensure the tool is switched off or remove the battery pack.

- Hold the tool with one hand and the battery pack (16) with the other.
- To install: push and slide battery pack into battery port, make sure the release latch on the rear side of the battery snaps into place and battery is secure before beginning operation.

- To remove: Press the battery release latch and pull the battery pack out at the same time.

8.3 **Battery capacity indicator (Fig. 1)**

There are battery capacity indicators (19) on the battery pack, you can check the capacity status of the battery if you squeeze the button (20). Before using the machine, please press switch trigger to check if the battery is full enough for properly working.

Those 3 LED might show the status of the capacity level of the battery:

- 3 LED's are lit: Battery fully charged.
- 2 LED's are lit: Battery 60% charged.
- 1 LED is lit: Battery almost discharged.

9 ASSEMBLY

The grass trimmer is supplied with some components not assembled. To assemble these proceed as follows:

9.1 **Mounting the guard**

- Fix the safety guard to the trimmer head making sure the sides are located into the grooves on the trimmer head.
- Secure the safety guard onto the trimmer head with the screws provided.
- Remove the warning label sticker from the cutter blade immediately after mounting the guard.



Caution! During this operation beware of the line cutter blade. You may be wounded.



Caution! Never use the grass trimmer without the guard. It is vital for your and other peoples' safety and for the good working order of the trimmer. The failure to observe this safety regulation is not only dangerous but also annuls the guarantee terms.

9.2 **Height adjustment (Fig. 2)**

- To adjust the height, simply rotate and loosen the collar extension lock knob (5) as arrow 1 shown and to extend or retract the extension tube (6) as arrow 2 shown.
- Tighten the extension lock knob (5) to lock the tube on the selected position.

9.3 **Setting the auxiliary handle (Fig. 3)**

- Squeeze the adjustment button of auxiliary handle (4).
- Turn the auxiliary handle (3) until the most balanced and most comfortable position.
- Then tighten the adjustment button of auxiliary handle (4) to the chosen position.

9.4 **Adjustment the cutting angle (Fig. 4)**

Your Trimmers has a 3-positions cutting head. This setting allows you to work effectively at a comfortable working angle. It can cut accurately around the flower beds, under bushes, around trees and fence posts etc.

To change the angle, simply press the head angle button (8) of the cutting head, to the engine block to the desired position, then release the button.



Warning: remove the battery pack from the trimmers before handling setting.



Warning: Always wear safety glasses. Never lean over the cutting head. Stones or debris can bounce or be thrown into eyes and face and blind you or serious injury. To use the machine, note the following points: Put on heavy clothing and eye protection. Hold the front handle with one hand and the auxiliary handle with the other hand. Store unit below the waist level. Have the unit from right to the left so that residues are always projected on the side opposite you. While avoiding bending over, keep the section parallel to the ground wire (or perpendicular to trim edges) and prepared the material to be cut (but not touching).



Warning: Before starting work, make sure that the wire is long enough. Do not start work before the engine running at full speed.

10 OPERATION



If the line is too long when you use the equipment for the first time, the surplus end of it will be cut by the blade on the guard hood.

Your grass trimmer will work at its best if you observe the following instructions:

- Never use the grass trimmer without its safety devices.
- Do not cut grass when it is wet. The best results are had on dry grass.
- Do not move the grass trimmer against the grass until the switch is pressed, i.e. wait until the trimmer is running.
- For the correct cutting action, swing the grass trimmer to the side as you walk forward, holding it at an angle of approx. 30° as you do so.
- Make several passes to cut long grass shorter step by step from the top.
- Use the edge guide and the guard hood to prevent unnecessary wear on the line.
- Keep the grass trimmer away from hard objects in order to avoid unnecessary line wear.

10.1 Switching on and off (Fig. 5)

- Press the lock-off button (1) and squeeze the ON/OFF switch (2) to start the trimmer.
- To switch the appliance off, release the on/off switch.



CAUTION! After switching off, the nylon line will continue to rotate for a few more seconds.

10.2 Replacement of the spool and line

- Press the sides of the spool cover and remove the cover
- Remove the empty line spool.
- Thread the ends of the line on the new line spool through the eyelets in the spool receptacle.
- Fit the spool cover back in the spool holder.
- When you start the equipment again the line will be cut to the perfect length automatically.



CAUTION! Under no circumstances wind extra line on the empty spool but instead replace it with a new one, the same as the original. The use of line with different characteristics to those of the original can permanently damage the grass trimmer as well as annulling the terms of the guarantee.

10.3 Manually thread lengthening (Fig. 6)

- The wire can also be lengthened manually if necessary.
- Before manually lengthen the wire, remove the battery from the device.
- Press the button (16) on the manual extension wire (15) and release it while pulling gently the wire until it arrives at the cutter.
- The wire is too long if it exceeds the level of the cutter.

11 CLEANING AND MAINTENANCE

Your tool has been designed to operate over a long period of time with a minimum of maintenance. Continuous satisfactory operation depends upon proper tool care and regular cleaning.

- Regularly clean the ventilation slot in your tool using a soft brush or dry cloth.
- Regularly clean the cutting line and spool using a soft brush or dry cloth.
- Regularly use a blunt scraper to remove grass and dirt from the underneath of the guard.

12 STORAGE

- Store the trimmer out of reach of children, in a stable and safe position and in a dry place where the temperature is not too hot or too cold.
- Store the trimmer away from direct sunlight, if possible in a dark or barely lit place.
- Do not store in a nylon bag because this could encourage the formation of damp patches.
- Do not store the grass trimmer resting on the floor. Hang it by the handgrip instead, so that the guard does not touch anything. The resting of the guard on a surface could alter its shape and therefore its dimensions and its safety characteristics would be modified.

13 TECHNICAL DATA

Type	POWDPG7540
Voltage	20 V
Cutting width	250 mm
Line size	Ø1.6 mm
Cutting system	1 line/ automatic
No load speed	8500 /min

14 NOISE

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

Acoustic pressure level LpA	74 dB(A)
Acoustic power level LwA	96 dB(A)



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

aw (Vibration)	3.3 m/s ²	K = 1.5 m/s ²
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15 WARRANTY

- This product is warranted for a 36-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), inexpert 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.
- Your tool must be charged at least 1x per month to ensure optimal operation of this tool.

16 ENVIRONMENT



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

Waste produced by electrical machine items should not be handled like normal household rubbish. Please recycle where recycle facilities exist. Check with your Local Authority or retailer for recycling advice.

17 DECLARATION OF CONFORMITY



VARO N.V. - Joseph Van Instraat 9 - BE2500 Lier - BELGIUM, declares that,
product: Grass trimmer
trade mark: POWERplus
model: POWDPG7540

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/EC

2000/14/EC Annex VI LwA 89 dB(A) / 96 dB(A)

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

EN60335-1: 2012

EN60335-2-91: 2014

EN55014-1: 2006

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
03/10/2017