

HandyMower Li-18/22

Art. 5023

DE Betriebsanleitung

Akku-Rasenmäher

EN Operator's manual

Battery Lawnmower

FR Mode d'emploi

Tondeuse sur batterie

NL Gebruiksaanwijzing

Accu-grasmaaier

SV Bruksanvisning

Accu-gräsklippare

DA Brugsanvisning

Accu-plæneklipper

FI Käyttöohje

Akkukäyttöinen ruohonleikkuri

NO Bruksanvisning

Batteridrevet gressklipper

IT Istruzioni per l'uso

Rasaerba a batteria

ES Instrucciones de empleo

Cortacésped de batería recargable

PT Manual de instruções

Máquina de cortar relva a bateria

PL Instrukcja obsługi

Akumulatorowe kosiarki do trawy

HU Használati utasítás

Akumulátoros fűnyíró

CS Návod k obsluze

Akumulátorová sekačka na trávnik

SK Návod na obsluhu

Akumulátorová kosačka

EL Οδηγίες χρήσης

Χλοκοπτικό μπαταρίας

RU Инструкция по эксплуатации

Аккумуляторная газонокосилка

SL Navodilo za uporabo

Akumulatorska kosilnica

HR Upute za uporabu

Baterijska kosilica za travu

SR/ Uputstvo za rad**BS** Baterijska kosilica za travu**UK Інструкція з експлуатації**

Акумуляторна газонокосарка

RO Instrucțiuni de utilizare

Mașină de tuns iarbă

TR Kullanma Kılavuzu

Akülü çim biçme makinesi

BG Инструкция за експлоатация

Аккумуляторна косачка

SQ Manual përdorimi

Korrëse bari me bateri

ET Kasutusjuhend

Akuga muruniiduk

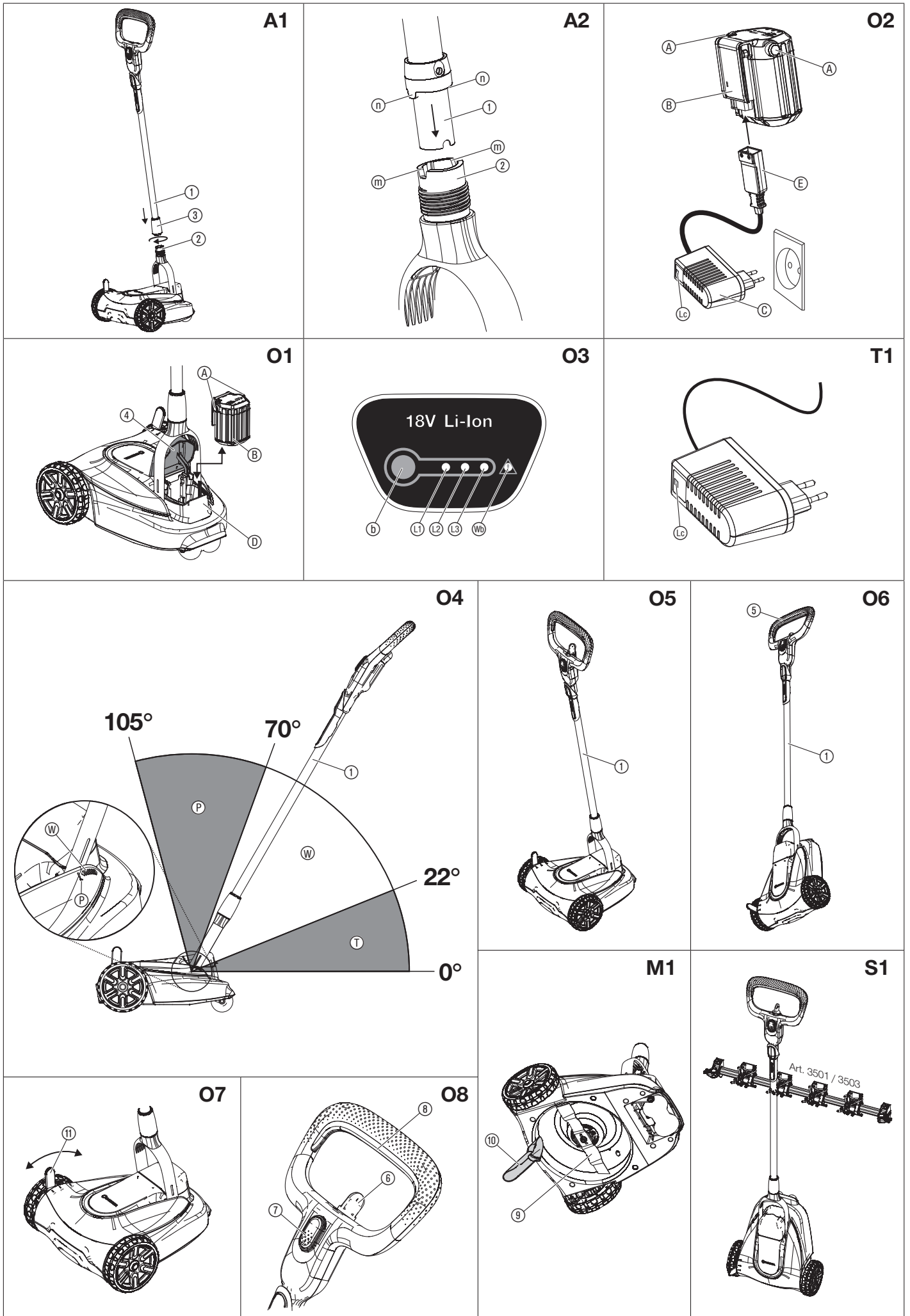
LT Eksploatavimo instrukcija

Akumuliatorinė vejamovė

LV Lietošanas instrukcija

Ar akumulatoru darbināms zāles plāvējs

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<p>LV Atbildība par produkcijas kvalitāti Saskaņā ar Vācijas likumu par atbildību par produkcijas kvalitāti ar šo mēs paziņojam, ka neuzņemamies atbildību par bojājumiem, kas radušies, lietojot mūsu izstrādājumus, kuru remontu nav veicis uzņēmuma GARDENA apstiprināts apkopes partneris vai kuru remontam netika izmantotas oriģinālās GARDENA detaļas vai detaļas, kuru lietošanu apstiprinājis uzņēmums GARDENA.</p>



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Translation of the original instructions.



This product may be used under supervision, or if instruction regarding the safe use of the product has been provided and the resulting dangers have been understood, by children aged 8 and above, as well as by persons with physical, sensory or mental disabilities or a lack of experience and knowledge. Children must not be allowed to play with the product. Cleaning and user maintenance must not be performed by children without supervision. The use of this product by young people under the age of 16 is not recommended.

Intended use:

The **GARDENA Lawnmower** is intended to mow lawn in private domestic gardens and allotments.

The product is not intended for long term use.



DANGER! Risk of injury!
Do not use the product to cut bushes, hedges, shrubs, to cut of climbers or grass on roofs or balcony boxes, to chop up branches, twigs and to level irregularities in the soil. Do not use the product on a slope steeper than 20° maximum.

1. SAFETY

IMPORTANT!
 Read the operator's manual carefully before use and keep for future reference.

Symbols on the product:**Read operator's manual.****Keep bystanders away.****Beware of sharp blades. Blades continue to rotate after the motor is switched off.****Remove disabling device before maintenance.****Secure the working area before starting to work. Watch out for hidden cables.****General safety warnings****Electrical safety****DANGER! Electric shock!****Risk of injury due to electric shock.**

→ **The product must be supplied through a residual current device (RCD) having a rated residual operating current not exceeding 30 mA.**

Training

- Read the instructions carefully. Be familiar with the controls and the correct use of the machine.
- Never allow children or people unfamiliar with these instructions to use the machine. Local regulations can restrict the age of the operator.
- Never operate the machine while people, especially children, or pets are nearby.
- Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

Preparation

- While operating the machine always wear substantial footwear and long trousers. Do not operate the machine when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that hanging cords or ties.
- Thoroughly inspect the area where the machine is to be used and remove all objects which can be thrown by the machine.
- Before using, always visually inspect to see that the blade, blade bolt and the blade assembly are not worn or damaged. Replace worn or damaged components in set to preserve balance. Replace damaged or unreadable labels.
- Before use check the supply and extension cord for signs of damage or aging. If the cord becomes damaged during use, disconnect the cord from the supply immediately.
DO NOT TOUCH THE CORD BEFORE DISCONNECTING THE SUPPLY.
Do not use the machine if the cord is damaged or worn.

Operation

- Operate the machine only in daylight or in good artificial light.
- Avoid operating the machine in wet grass.
- Always be sure of your footing on slopes.
- Walk, never run.
- Mow across the face of slopes, never up and down.
- Exercise extreme caution when changing direction on slopes.
- Do not mow excessively steep slopes.
- Use extreme caution when reversing or pulling the machine towards you.
- Stop the blade(s) if the machine has to be tilted for transportation when crossing surfaces other than grass, and when transporting the machine to and from area to be used.
- Never operate the machine with defective guards or shields, or without safety devices, for example deflectors and/or grass collector, in place.
- Switch on the motor carefully according to instructions and with feet well away from the blade(s).
- Do not tilt the machine when switching on the motor, except if the machine has to be tilted for starting. In this case, do not tilt it more than absolutely necessary and lift only the part, which is away from the operator.
- Do not start the machine when standing in front of the discharge opening.
- Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.
- Do not transport the machine while the power source is running.
- Stop the machine, and remove the disabling device. Make sure that all moving parts have come to a complete stop:
 - whenever you leave the machine,
 - before clearing blockages or unclogging chute,
 - before checking, cleaning or working on the machine,
 - after striking a foreign object. Inspect the machine for damage and make repairs before restarting and operating the machine;

if the machine starts to vibrate abnormally (check immediately):

- inspect for damage,
- replace or repair any damaged parts,
- check for and tighten any loose parts.

Maintenance and storage

- Keep all nuts, bolts, and screws tight to be sure the machine is in safe working condition.
- Check the grass collector frequently for wear or deterioration.
- Replace worn or damaged parts for safety.
- On machines with multi blade, take care as rotating one blade can cause other blades rotate.
- Be careful during adjustment of the machine to prevent entrapment of the fingers between moving blades and fixed parts of the machine.
- Always allow the machine to cool down before storing.
- When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
- Use only genuine replacement parts and accessories.

Additional safety warnings**Battery safety****DANGER! Fire risk!**

The battery to be charged must be placed on a nonflammable, heat resistant and non-conductive surface while charging.

The battery must not be charged unattended.

The supply terminals are not to be short-circuited.

Keep corrosive, flammable and easily combustible objects clear of the battery charger and the battery.

Do not cover the battery charger and the battery while charging.

Disconnect the battery charger immediately in the event of smoke formation or fire.

Only use GARDENA batteries for the GARDENA battery product. GARDENA cannot accept any liability for the batteries of other manufacturers. If they are of minor quality, they could cause a fire or explosion hazard!

Do not use the GARDENA charger to charge external rechargeable batteries, as GARDENA cannot guarantee compatibility and could therefore present a risk of fire or explosion.

Do not charge non-rechargeable batteries.

**DANGER! Risk of explosion!**

Protect batteries from heat and fire. Do not leave on radiators or expose to strong sunshine for long periods.

Do not operate them in explosive atmospheres, e.g. in the presence of flammable liquids (vapours), flammable gases or accumulations of dust. Batteries may create sparks which could ignite the mixtures.

Check your battery before each use. Visually check the battery before each use. A non-functioning battery must be disposed of correctly. Do not send by post. For further details, please contact your local disposal companies.

For risks of injury do not use the battery as a power source for other products. Only use the battery for the GARDENA product intended.

Only charge and use the battery in ambient temperatures of between 0 °C and 40 °C. Allow battery to cool down after long periods of use.

Check the charging cable regularly for signs of damage or ageing (brittleness). Only use it in perfect condition.

Do not stow or transport the battery above 45 °C or in direct sunlight. Ideally, the battery should be stored below 25 °C so that self-discharge is low.

Do not expose the battery to rain, water (immersion) or wet conditions.

Keep battery in order (clean) especially air vents.

If usage of the battery is not planned for a certain time (winter period) reload the battery to avoid a deep discharge.

Do not store the battery in a product to prevent self-discharge, misuse and accidents.

Do not store the battery in places where static electricity is present

Electrical safety**DANGER! Cardiac arrest!**

This product makes an electromagnetic field while it operates. This field may under some conditions interfere with active or passive medical implants. To decrease the risk of conditions that can possibly injure or kill, we recommend persons with medical implants to speak with their physician and the medical implant manufacturer before you operate the product.

Only use the battery product between 0 °C bis 40 °C.

Do not use under wet conditions.

Personal safety**DANGER! Risk of suffocation!**

Small parts can be easily swallowed. There is also a risk that the polybag can suffocate toddlers. Keep toddlers away when you assemble the product.

Do not disassemble the product further than the delivery status.

Use gloves, wear slip resistant shoes and wear eye protection.

Do not overload the mower.

Never operate the product when you are tired, ill or under the influence of alcohol, drugs, or medicine.

Danger of slipping:

- in wet grass
- on steep slopes
- during transport

Be careful while going backwards.

2. ASSEMBLY

**DANGER! Risk of injury!**

Cut injury when the product starts accidentally.

→ Remove the battery, remove the safety key and use gloves before you assemble the product.

To assemble the tube [Fig. A1/A2]:

1. Slide the tube ① into the tube holder ②.
Make sure that the tube ① is completely inserted and that the noses ④ on the tube are located in the openings ⑤ of the tube holder ②.
2. Tighten the clamping sleeve ③.

3. OPERATION

**DANGER! Risk of injury!**

Cut injury when the product starts accidentally.

→ Wait for the blade to stop, remove the safety key and use gloves before you adjust or transport the product.

To charge the battery [Fig. O1/O2]:**CAUTION!**

Overvoltage damages the battery and the battery charger.

→ Make sure that you use the correct mains voltage.

For the GARDENA Battery Mower Art. 5023-55 there is no battery and no charger in the scope of delivery.

Before you use the battery the first time, the battery must be completely charged.

The lithium-ion battery can be charged in any state of charge and the charging process can be disconnected at any time without to damage the battery (no memory effect).

1. Open the cover ④.
2. Push the locking buttons ① and remove the battery ② from the battery holder ③.
3. Connect the battery charger ⑤ into a mains socket.
4. Connect the battery charger cable ⑥ to the battery ②.

When the charging control lamp ⑦ at the charger flashes green the battery is being charged.**When the charging control lamp ⑦ at the charger illuminates permanently green the battery is completely charged**
(Charging time, see 7. TECHNICAL DATA).

5. Examine the charge status regularly while you charge.
6. When the battery ② is completely charged, disconnect the battery ② from the charger ⑤.
7. Disconnect the charger ⑤ from the mains.

Battery charging indicator [Fig. O3]:**Battery charging indicator during charging:**

100 % charged	①, ② and ③ illuminate (for 60 sec.)
66 – 99 % charged	① and ② illuminate, ③ flashing
33 – 65 % charged	① illuminates, ② flashes
0 – 32 % charged	① flashes

Battery charging indicator during operation:

→ Push the button ④ on the battery.

The battery charging indicator is displayed for 5 seconds.

66 – 99 % charged	①, ② and ③ illuminate
33 – 65 % charged	① and ② illuminate
11 – 32 % charged	① illuminates
0 – 10 % charged	① flashes

Work positions:

The product is provided with a safety device to prevent it from being switched on in the position at working interruption and transport position.

Working position ⑥ approx. 25° – 70° [Fig. O4]:

In order for the mower to be started, the tube ① must be in the **working position ⑥** (approx. 15° – 65°).

The mower stops automatically when the tube ① is moved out of the **working position ⑥**.

Parking position ⑦ approx. 70° – 105° [Fig. O4/O5]:

When the tube ① is completely up, the tube ① is in the **parking position ⑦**. The mower cannot be started in this position.

Transport position ⑧ approx. 0° – 25° [Fig. O4/O6]:

For transport, the mower can be carried by the tube ① or by the handle ⑨.

When the mower is carried, the handle ① is in the **transport position ⑧**. The mower cannot be started in this position.

To adjust the cutting height [Fig. O7]:

The cutting height can be adjusted from 30 – 50 mm in 3 positions.

1. Push the height adjustment ⑩ in the direction of the wheel and set the height adjustment ⑩ to the desired position.
2. Let the height adjustment ⑩ engage in the desired position.

To start the mower [Fig. O1/O8]:**DANGER! Risk of injury!**

Risk of injury if the product does not stop when you release the start lever.

→ Do not bypass the safety devices or switches. For example do not attach the start lever to the handle.

To start:

The product is provided with a two-switch safety device (safety key with starting lockout) to prevent the product from being turned on by accident.

1. Open the lid ④.
2. Put the battery ② into the battery holder ③ until it audibly engages.
3. Put the safety key ⑥ into the handle and turn it to position ①.
4. Push the starting lockout ⑦ with one hand and pull the start lever ⑧ with the other hand.
The mower starts.
5. Release the starting lockout ⑦.

To stop:

1. Release the start lever ⑧.
The mower stops.
2. Turn the safety key ⑥ to position ② and remove it.

Tips to use the mower:

To produce a well-maintained lawn and optimise the cutting performance, we recommend to cut the lawn regularly once a week if possible. The lawn becomes denser if you cut it frequently.

After relatively long cutting intervals (holiday lawn), first of all cut in one direction with the highest cutting height and then cut in the crosswise direction with the required cutting height.

If possible, only cut the grass when it is dry, if the grass is damp, the cutting pattern will be uneven.

Cutting performance and battery charge:

The lawn area which can be cut on each battery charge depends on several factors such as moisture, grass density and cutting height. In order to ensure an optimal use of space, do not turn the mower on and off too frequently as this severely reduces the battery running time. The cutting performance for each battery charge can be ideally utilised by increasing the cutting height and frequent mowing.

Mulching:

The specially shaped blade ensures optimum cutting and mulching results. The blades of grass are not simply cut off, but cut into small particles which fall onto the ground between the blades of grass, thus reducing the drying out of the lawn. Grass cuttings do not have to be collected or disposed of and are a natural fertilizer.

The best mulching result is achieved when 1/3 of the grass height is cut (e. g. from 60 mm to 40 mm).

The maximum area of 50 m² can only be achieved with optimum conditions.

4. MAINTENANCE



DANGER! Risk of injury!

Cut injury when the product starts accidentally.

→ Wait for the blade to stop, remove the safety key and use gloves before you maintain the product.

To clean the mower:



DANGER! Risk of injury!

Risk of injury and risk of damage to the product.

→ Do not clean the product with water or with a water jet (in particular high-pressure water jet).
→ Do not clean with chemicals including petrol or solvents. Some can destroy critical plastic parts.

To clean the underside of the mower [Fig. M1]:

The underside is easiest to clean after you mowed.

1. Lay the mower on its side carefully.
2. Clean the underside and the blade (9) with a brush and the enclosed scraper (10) (do not use sharp objects).

To clean the overside of the mower:

→ Clean the overside with a damp cloth.

To clean the battery and the battery charger:

Make sure that the surface and the contacts of the battery and the battery charger always are clean and dry before you connect the battery charger.


Do not use running water.

→ Clean the contacts and the plastic parts with a soft and dry cloth.

5. STORAGE

To put into storage [Fig. S1]:

The product must be stored away from children.

1. Turn the safety key to position  and remove it.
2. Remove the battery.
3. Charge the battery.
4. Clean the mower, the battery and the battery charger (see 4. MAINTENANCE).
5. To save space, the mower can be suspended from the tube in the **GARDENA Tool Holder Art. 3501/3503** (The mower must not be suspended from the handle).
6. Store the mower, the battery and the battery charger in a dry, enclosed and frost-free place.

Disposal:

(in accordance with RL2012/19/EC)

The product must not be disposed of to normal household waste. It must be disposed of in line with local environmental regulations.



IMPORTANT!

→ Dispose of the product through or via your municipal recycling collection centre.

Disposal of the battery:

The GARDENA battery contains lithium-ion cells that should not be disposed of with normal household waste at the end of its life.



IMPORTANT!

→ Dispose of the batteries through or via your municipal recycling collection centre.

1. Discharge the lithium-ion cells completely (contact the GARDENA Service).
2. Protect the contacts on the lithium-ion cells against short circuits.
3. Dispose of the lithium-ion cells properly.

6. TROUBLESHOOTING



DANGER! Risk of injury!

Cut injury when the product starts accidentally.

→ Wait for the blade to stop, remove the safety key and use gloves before you troubleshoot the product.

To replace the blade:



DANGER! Risk of injury!






Cut injury when the blade turns and it is damaged, bent, out of balance or has chipped edges.


→ Do not use the mower when the blade is damaged, bent, out of balance or has chipped edges.
→ Do not grind the blade.

The GARDENA spare parts are available from your GARDENA dealer or from the GARDENA service.

Only use an original GARDENA blade:

- **GARDENA replacement blade Art. 4105.**
- Let the blade be replaced by the GARDENA Service or a specialist dealer authorised by GARDENA.

Problem	Possible Cause	Remedy
Mower does not start	Safety key is not in position  .	→ Turn the safety key to position  .
	Battery is not put completely into the battery holder.	→ Put the battery completely into the battery holder until it audibly engages.
	Battery is empty.	→ Charge the battery.
	Motor is blocked.	→ Remove the obstacle. Start again.
Engine is jammed and makes a noise	Motor is blocked.	→ Remove the obstacle. Start again.
	Cutting height is too low.	→ Raise the cutting height.
Loud noises, the mower is rattling	Screws on engine, its fixing or on the mower chasing are loose.	→ Let the screws be tightened by an authorised specialist dealer or the GARDENA Service.
Mower runs unevenly or vibrates strongly	Blade is damaged/worn or the blade mounting is released.	→ Let the blade be tightened or replaced by an authorised specialist dealer or the GARDENA Service.
	Blade is very dirty.	→ Clean the mower (see 4. MAINTENANCE). If this does not rectify the problem, contact the GARDENA Service.
Lawn is not cleanly mowed	Blade is blunt or damaged.	→ Let the blade be replaced by the GARDENA Service.
	Cutting height is too low.	→ Raise the cutting height.
Error-LED  on the battery flashes [Fig. 03]	Battery overload.	→ Let the battery cool down and start the mower again.
	Under voltage.	→ Charge the battery.
	Battery temperature is out of range.	→ Use the battery in surroundings where temperatures are between 0 °C and 40 °C.
Error-LED  on the battery illuminates [Fig. 03]	Battery error/battery defective.	→ If the battery cannot be reset by connecting it to the charger, contact the GARDENA Service.
Charging control lamp  on the charger does not illuminate [Fig. T1]	Battery charger or charging cable are not connected correctly.	→ Connect the battery charger and charging cable correctly.

Problem	Possible Cause	Remedy
Charging control lamp  on the charger flashes red [Fig. T1]	Battery temperature is out of range.	→ Use the battery in surroundings where temperatures are between 0 °C and 40 °C.



NOTE: For any other malfunctions please contact the GARDENA service department. Repairs must only be done by GARDENA service departments or specialist dealers approved by GARDENA.

7. TECHNICAL DATA

Battery Lawnmower	Unit	Value (Art. 5023)
Speed of rotation cutting blade	R/min	6000
Cutting width	cm	22
Cutting height adjustment (3 positions)	mm	30 – 50
Weight (without Battery)	kg	4.2
Sound pressure level L_{pA} ¹⁾ Uncertainty k_{pA}	dB (A)	64 1.5
Sound power level L_{WA} ²⁾ : measured/guaranteed Uncertainty k_{WA}	dB (A)	84 / 86 1.5
Hand/arm vibration a_{vhw} ¹⁾	m/s ²	< 2.5

Measuring process complying with: ¹⁾ EN 60335-2-77 ²⁾ RL 2000/14/EC



NOTE: The stated vibration emission value has been measured according to a standardized test procedure and can be used for comparison of one electric power tool with another. It can also be used for preliminary evaluation of exposure. The vibration emission value can vary during actual use of the electric power tool.

System Battery BLi-18	Unit	Value (Art. 9839)
Battery voltage	V (DC)	18
Battery capacity	Ah	2.6
Number of cells (Li-Ion)		5
Battery charging time 80% / 100% (approx.)	h	3.5 / 5

Appropriate GARDENA System Batteries BLi-18: Art. 9839 / 9865 / 9866

Battery Charger 18 V	Unit	Value (Art. 9825-00.630.00)
Mains voltage	V (AC)	100 – 240
Mains frequency	Hz	50 – 60
Rated Power	W	16
Output voltage	V (DC)	21
Max. output current	mA	600

Appropriate GARDENA Battery Chargers 18 V: Art. 8832 / 8833

8. ACCESSORIES

GARDENA Replacement Battery BLi-18	Battery for additional duration or for replacement.	Art. 9839
GARDENA Battery Charger 18 V	Charger to charge the GARDENA Batteries BLi-18.	Art. 8833
GARDENA Battery Quick Charger 18 V	Charger for fast charging the GARDENA Batteries BLi-18.	Art. 8832
GARDENA Replacement Blade	As replacement for blunt blade.	Art. 4105
GARDENA Tool Holder	Tool holder for space-saving mower storage.	Art. 3501 / 3503

9. SERVICE/WARRANTY

Service:

Please contact the address on the back page.

Warranty statement:

In the event of a warranty claim, no charge is levied to you for the services provided.

GARDENA Manufacturing GmbH grants a warranty for all original GARDENA new products for two years from the date of original

purchase from the retailer, provided that the devices have been for private use only. This manufacturer's warranty does not apply to products acquired second hand. This warranty includes all significant defects of the product that can be proved to be material or manufacturing faults. This warranty is fulfilled by supplying a fully functional replacement product or by repairing the faulty product sent to us free of charge; we reserve the right to choose between these options. This service is subject to the following provisions:

- The product has been used for its intended purpose as per the recommendations in the operating instructions.
- Neither the purchaser nor a third party has attempted to open or repair the product.
- Only Original GARDENA replacement parts and wear parts have been used for operation.
- Presentation of the receipt.

Normal wear and tear of parts and components (such as blades, blade fixing parts, turbines, light bulbs, V-belts/toothed belts, impellers, air filters, spark plugs), visual changes, wear parts and consumables are excluded from the warranty.

This manufacturer's warranty is limited to replacement and repair of products in accordance with the abovementioned conditions. The manufacturer's warranty does not constitute an entitlement to lodge other claims against us as a manufacturer, such as for damages. This manufacturer's warranty does **not**, of course, affect statutory and contractual warranty claims against the dealer/retailer.

The manufacturer's warranty is governed by the law of the Federal Republic of Germany.

In case of a warranty claim, please return the faulty product, together with a copy of the receipt and a description of the fault, with postage paid to the service address.

Consumables:

The blade and the wheels are consumables and are not included in the warranty.

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