Read all safety warnings and all instructions thoroughly before operating this product. Ensure you keep your manual in a safe place for future reference.

MODEL No.: CLM80XA, PRODUCT No.: 10094

IM Ed2 10/2020
QR codes take you where you want to go quickly and easily

Whether you require product information, spare parts or accessories, details on warranties or after sales service, or if you want to watch a product demonstration video, our QR codes will take you there in no time at all.

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**How it works**
To scan the QR code, all you need is a smartphone with QR codes reader software and an Internet connection*. This type of software can be downloaded for free from your smartphone’s app store.

**Try it out now**
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* Depending on your tariff you may be charged for the connection.
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Pack contents / parts

First time users or inexperienced operators pay particular attention to the operation of the 80V Lithium-Ion 20” Brushless Lawn Mower, including details of starting and stopping and correct use of the 80V Lithium-Ion 20” Brushless Lawn Mower on pages 19-22, as well as the maintenance instructions on pages 22-23.

**Intended use of 80V Lithium-Ion 20” Brushless Lawn Mower**

**NOTE:** This product is for private domestic DIY use only. It is not suitable for commercial or trade use.

This 80V Lithium-Ion 20” Brushless Lawn Mower is suitable for private home use, i.e. for use in home and gardening environments, for the application of mowing.

The lawn mower is to be used only for its prescribed purpose. Any other use is deemed to be a case of misuse.

**Contents of carton**

- 1 x Lawn mower
- 1 x Battery charger
- 1 x 80V Max Li-Ion Battery pack
- 1 x Safety key for battery pack
- 1 x Upper handle
- 1 x Lower handle
- 1 x Grass collection bag (not fitted)
- 1 x Mulching block
- 1 x Side-discharge chute (not fitted)
- 2 x Square neck bolts for lower handle (M8*40)
- 2 x Locking knobs for lower handle (+2 x assembly screws)
- 4 x Cross recessed countersunk head tapping screws for lower handle (ST4*12)
- 2 x Outer locking levers with washer for upper handle
- 2 x Inner fasteners for upper handle
- 4 x Cable clips
- 1 x Instruction manual
- 1 x Warranty Card & Certificate
- 1 x Quick start guide
Description of symbols

The instruction manual, rating plate, or on the product itself, may show these symbols. These represent important information about the product or instructions on its use.

- **Read instruction manual before operating this machine**
  - The bag is not recyclable at kerbside, and should be placed in the general waste bin.

- **Keep bystanders away.**
  - The plastic wrap is not recyclable at kerbside, and should be placed in the general waste bin.

- **Beware of sharp blades. Blades continue to rotate after the motor is switched off. Remove disabling device before maintenance**
  - The box is recyclable at the kerbside.
  - The inserts are recyclable at the kerbside.

- **Li-Ion battery. This product has been marked with a symbol relating to ‘separate collection’ for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.**

- **Explosive material**
  - Batteries may enter water cycle if disposed of improperly, which can be hazardous for the ecosystem. Do not dispose of waste batteries as unsorted municipal waste.

- **Conforms to relevant standards for electrical safety and electromagnetic compatibility.**

- **60 Months Warranty 12 Months Warranty**

- **Wear hearing protection. Wear eye protection. Wear breathing protection.**

- **For indoor use only**
  - Wear safety footwear.

- **Fuse**
  - Wear safety gloves.

- **Positive terminal**
  - Negative terminal
WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in fire and/or serious injury.

Carefully read the instructions for the safe operation of the machine.

Save all warnings and instructions for future reference.

- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.
- The appliance is only to be used with the power supply unit provided with the appliance.

IMPORTANT
READ CAREFULLY BEFORE USE.
KEEP FOR FUTURE REFERENCE.

Safe operating practices for electrically powered lawn mowers

Training

a) Read the instructions carefully. Be familiar with the controls and the proper use of the equipment.

b) Never allow children or people unfamiliar with these instructions to use the lawnmower. Local regulations can restrict the age of the operator.

c) Never mow while people, especially children, or pets are nearby.

d) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.
Preparation
a) While mowing, always wear substantial footwear and long trousers. Do not operate the equipment when barefoot or wearing open sandals.
b) Thoroughly inspect the area where the equipment is to be used and remove all objects which can be thrown by the machine.
c) Before using, always visually inspect to see that the blades, blade bolts and cutter assembly are not worn or damaged. Replace worn or damaged blades and bolts in sets to preserve balance. Replace damaged and unreadable labels.
d) On multi-bladed machines, take care as rotating one blade can cause other blades to rotate.

Operation
a) Mow only in daylight or in good artificial light.
b) Avoid operating the equipment in wet grass, where feasible.
c) Always be sure of your footing on slopes.
d) Walk, never run.
e) For wheeled rotary machines, mow across the face of slopes, never up and down.
f) Exercise extreme caution when changing direction on slopes.
g) Do not mow excessively steep slopes.
h) Use extreme caution when reversing or pulling the lawnmower towards you.
i) Stop the blade(s) if the lawnmower has to be tilted for transportation when crossing surfaces other than grass, and when transporting the lawnmower to and from the area to be mowed.
j) Never operate the lawnmower with defective guards, or without safety devices, for example deflectors and/or grass catchers, in place.
k) Switch on the motor carefully according to instructions and with feet well away from the blade(s).
l) Do not tilt the lawnmower when switching on the motor, except if the lawnmower 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. Always ensure that both hands are in the operating position before returning the lawnmower to the ground.

m) Do not put hands or feet near or under rotating parts. Keep clear of the discharge opening at all times.

n) Not to touch the blades before the disabling device has been removed and the blades have come to a complete stop.

o) Do not start the lawnmower when standing in front of the discharge opening.

p) Do not transport the lawnmower while the power source is running. Never pick up or carry the lawnmower while the motor is running.

q) To remove the disabling device
   – whenever leaving the machine unattended;
   – before clearing a blockage;
   – 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 lawnmower.

If the lawnmower starts to vibrate abnormally (check immediately)
   - inspect for damage;
   - replace or repair any damaged parts;
   - check and tighten any loose parts.

**Maintenance and storage**

a) Keep all nuts, bolts and screws tight to be sure the equipment is in safe working condition;

b) Check the grass catcher frequently for wear or deterioration;

c) Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.

d) Be careful during adjusting of the lawnmower to prevent entrapment of the fingers between moving blades and fixed parts of the lawnmower.

e) Always allow the lawn mower to cool down before storing.

f) When servicing the blades be aware that, even though the power source is switched off, the blades can still be moved.
g) For rotary mowers, ensure that only replacement cutting means of the right type are used.

Safety notes for battery/charger

Safety Warnings for battery pack

a) Do not dismantle, open or shred cells or battery pack.

b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. 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.

c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.

d) Do not subject battery pack to mechanical shock.

e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.

f) Seek medical advice immediately if a cell or battery pack has been swallowed.

g) Keep battery pack clean and dry.

h) Wipe the battery pack terminals with a clean dry cloth if they become dirty.

i) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.

j) Do not maintain battery pack on charge when not in use.

k) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.

l) Battery pack gives its best performance when it is operated at normal room temperature (20 °C ± 5 °C).

m) When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
n) Recharge only with the charger specified by POSITEC. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.

o) Do not use any battery pack which is not designed for use with the equipment.

p) Keep battery pack out of the reach of children.

q) Retain the original product literature for future reference.

r) Remove the battery from the equipment when not in use.

s) Dispose of properly.

t) Do not mix cells of different manufacture, capacity, size or type within a device.

u) Do not remove battery pack from its original packaging until required for use.

v) Observe the plus (+) and minus (−) marks on the battery and ensure correct use.

General Safety Warnings for Battery Charger

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.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Children should be supervised to ensure that they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.
Additional safety instructions for your Battery Charger

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. The charging device must be protected from moisture.
7. Do not use the charging device in the open.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity “+/-” when charging.
10. Do not open the unit and keep out of the reach of children.
11. Do not charge the batteries of other manufactures or ill-suited models.
12. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
13. Keep battery charger’s slots are free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
14. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
15. Do not recharge non-rechargeable batteries, as they can overheat and break.
16. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 0°C, or above 40°C. This is important as it can prevent serious damage to the battery pack.
17. Only charge the supplied FERREX® 80V battery with the FERREX® 80V Charger supplied with this Lawn mower.
Important information – Product care

**NOTE:** This Lawn mower uses Lithium Ion Battery Cells. Care MUST be taken to ensure both the safety and life of the pack is maintained. Ensure you have read all of the safety notes in the previous pages before using the Lawn mower.

Treat the battery pack with care and within the guidelines of this manual.

If the battery pack does become immersed in water or any fluids, or is subject to a severe drop or it does not operate within the guidelines of this manual or the supplied manual, immediately STOP using the battery pack and have it checked.

Use only the supplied 80V Lithium-Ion battery and charger supplied with this lawn mower. Do not use other any other batteries of chargers with this lawn mower.
# Parts List

1. Self propel engagement bar  
2. Upper handle  
3. Start bar  
4. Lower handle  
5. Outer locking lever with washer for upper handle x 2  
6. Inner fastener for upper handle x 2  
7. Inner locking screw for lower handle x 2  
8. Battery housing cover  
9. Battery pack  
10. Nudge bar  
11. Wheel x 4  
12. Side ejector cover  
13. Cutting height adjustment lever  
14. Outer locking knob for lower handle x 2  
15. Rear discharge guard  
16. Grass collection bag  
17. Cable clip x 4  
18. Lock off button  
19. Battery charger  
20. Safety key for battery pack  
21. Mulching block  
22. Side discharge chute  
23. Blade  
24. Blade bolt  
25. Battery power indicator light button  
26. Battery pack release latch  
27. Self propel cable  
28. Start cable
80V Lithium-Ion 20” Brushless Lawn Mower

AFTER SALES SUPPORT
e-mail: info.aldi@positecgroup.com 1300 889 028
MODEL: /uni2116. 10094  •  10/2020  •  CLM80XA (toll free)
Assembly

WARNING: Remove the battery pack before assembling the mower!

Assembling the lower handle (4)
1) Attach the lower handle (4) to the 2 slots positioned on both sides above the rear wheel (11). Be sure to align the holes on the lower handle (4) to the cylinders on the slots. (See Fig. A1)
2) Align and insert the inner locking screw for lower handle (7) into the aligned top holes on the slot from the inside of the lower handle. Insert the outer locking knob for lower handle (14) into the end of the inner locking screw (7). Turn the locking knob (14) clockwise to tighten. (See Fig. A2)
3) Repeat step 2 to the other side of the lower handle (4). Check to see if the lower handle (4) is locked in place. (See Fig. A3)

Assembling the upper handle (2)
1) Attach the 2 ends of the upper handle (2) onto the outer sides of the lower handle (4) and hold in position. Be sure to align the holes between the lower handle (4) and the upper handle (2). (See Fig. B1)
2) Insert the outer locking lever with washer for upper handle (5) into the aligned holes from outside of the upper handle (2). Align and insert the inner fastener for upper handle (6) into the end of the outer locking lever (5) from the inside of the lower handle (4). (See Fig. B2)
3) Attach the inner fastener for upper handle (6) close to the lower handle (4). Rotate the outer locking lever (5) clockwise about 2-3 turns. Do not over tighten. (See Fig. B3)
4) Push the outer locking lever (5) upwards towards the upper handle (2). (See Fig. B4)
5) Continue to turn the outer locking lever (5) clockwise to secure the handles in place. Be sure to turn the outer locking lever (5) in an upwards direction to secure. (See Fig. B5)
6) Repeat step 2 to 5 to the other side of the upper handle (2). Check to ensure the upper handles are locked in place.
7) Attach the 4 cable clips (17) onto the upper handle (2) to fix the cables in position. (See Fig. B6)

NOTE: Place the cable into the protruding ring of the cable clip (17).

Installing the grass collection bag (16)

WARNING: Before installing, make sure the mower is switched off, the battery pack is removed, the blades have come to a standstill, and the engine is cooled.
1) Raise the rear discharge guard (15) and hold it up, remove the mulching block (21) if it is in the rear chute. (See Fig. C1)
2) Pick up the grass collection bag (16) by the handle, position the rods of the collection bag (16) onto the hooks on both sides of the rear discharge chute. (See Fig. C2)

3) Release the rear discharge guard (15), ensuring the guard (15) aligns correctly and fits fully into the grooves of the collection bag (16). (See Fig. C3)

Removing / Emptying the grass collection bag (16) - Removing (See Fig. D)

![WARNING! Before you remove the grass collection bag (16), switch off the mower, remove the battery pack, and ensure the blades have come to a stand still, and the engine is cooled.](image)

Raise the rear discharge guard (15) and hold it up. Lift the grass collection bag (16) by the handle, and remove the rods of the grass collection bag (16) from the hooks on both sides of the rear discharge chute.

![WARNING! Always check the rear discharge guard (15) closes tightly before using. Never lift the rear discharge guard (15) when the lawn mower is in operation.](image)

Emptying

As soon as you see mown grass debris on the lawn, the grass collection bag (16) needs to be emptied.

1) Empty the grass clippings from the grass collection bag (16) into the appropriate bin. Check with your local council for more information. Refit grass collection bag (16) per previous instructions.

2) If any grass clippings are caught in the rear discharge chute, clean it using a broom or similar extension.

3) Do not remove grass debris from under the deck, or on/around the blades by hand or with your feet. Instead use suitable tools such as a brush or broom.

4) To ensure that the grass clippings can be blown into the grass collection bag (16), the rear discharge chute, and the inside of the mower deck must be cleared of any blockage.
NOTE:
- Always empty the grass collection bag (16) before it has reached its maximum capacity.
- Do not leave grass clippings in the grass collection bag (16) for extended periods of time.

Installing the side discharge chute (22) and mulching block (21) for mulching function

The side discharge chute (22) is used to distribute grass clippings from the side of the mower while the mower is in use. To use this function, the grass collection bag (16) is NOT required to be assembled on the lawn mower.

1) Remove the grass collection bag (16) if it is fitted. Refer to Removing / Emptying the grass collection bag (16).
2) Raise the rear discharge guard (15) and hold it up, insert the mulching block (21) into the rear chute. Ensure the mulching block (21) is secured into position. (See Fig. E1)
3) This side ejector has a lock to ensure it is secured when not in use. Push the lock tab in an upwards direction to disengage the lock, then using your other hand, lift up the side ejector cover (12), attach the side discharge chute (22) onto the side of the deck (See Fig. E2). Align and place the 2 top tabs underneath the 2 bars as shown in Fig. E3.
4) To remove, raise the side ejector cover (12), and remove the side discharge chute (22) by disengaging the 2 tabs from the 2 bars.
Adjusting the cutting height (See Fig. F)

WARNING! Switch off the mower, and wait for blade to come to a complete stop. The blades continue to rotate after the machine is switched off, a rotating blade can cause injury.
CAUTION: Do not touch rotating blades.

The lawn mower has one cutting height adjustment lever (13) to easily adjust the cutting height. There are 6 height settings.

NOTE: Always try to adjust the cutting height of the lawn mower while positioned on the area of grass you plan to mow. It is recommended to start on a higher setting and mow a trial area of lawn before deciding on the final cutting height position. Then readjust if necessary.

1) To increase the cutting height pull the cutting height adjustment lever (13) outward towards the wheel (11), and move it up a notch, towards the rear of the lawn mower.
2) To decrease the cutting height pull the cutting height adjustment lever (13) outward towards the wheel (11), and move it down a notch, towards the motor.
3) After adjustment, ensure the lever (13) is fully located in the selected notch.

Charging the battery pack (9)

- Checking the battery condition (See Fig. G1)

Before charging, press the battery power indicator light button (25). The green LED light will illuminate to show the remaining battery power. If only one LED light flashes, the battery pack (9) needs charging.

<table>
<thead>
<tr>
<th>Light condition</th>
<th>Power Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 LED light flashes</td>
<td>&lt;10%</td>
</tr>
<tr>
<td>1 LED light illuminate</td>
<td>10~30%</td>
</tr>
<tr>
<td>2 LED light illuminate</td>
<td>30~60%</td>
</tr>
<tr>
<td>3 LED light illuminate</td>
<td>60~90%</td>
</tr>
<tr>
<td>4 LED light illuminate</td>
<td>≥90%</td>
</tr>
</tbody>
</table>
- Battery charging (See Fig. G2, G3)

⚠️ WARNING: The charger (19) and battery pack (9) are specially designed to work together so do not attempt to use any other batteries or chargers. Never insert or allow metallic objects into the charger (19) or battery pack (9) connections as an electrical failure or hazard may occur.

NOTE: a) Do not use any charger (19) other than that specifically provided for use with the equipment.
b) If the battery pack (9) is very hot remove the battery pack (9) from the charger (19) and allow time for the battery (9) to cool down before recharging.
c) Please charge the battery (9) to reach full before storage. If the tool will not be used for long periods of time, charge the battery every 3 months.

Charging procedure

1) Plug the charger (19) into an appropriate mains power outlet, the red light will illuminate.
2) Slide the battery pack (9) into the charger (19), making sure the battery (9) is in the correct charge position firmly. The green light will flash to indicate the charging process has started.
3) When charging is completed, the green light will illuminate constantly.
4) Unplug the charger (19) and remove the battery pack (9).

⚠️ WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.

Charging indicator

<table>
<thead>
<tr>
<th>Light condition</th>
<th>Charging Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Red light on, green light off.</td>
<td>Battery not installed while charger is plugged in</td>
</tr>
<tr>
<td>Red light off, green light flashes twice each second.</td>
<td>Low voltage charging</td>
</tr>
<tr>
<td>Red light off, green light flashes once each second.</td>
<td>Charging normally.</td>
</tr>
<tr>
<td>Red light flashes once each second, green light off.</td>
<td>Temperature protection.</td>
</tr>
<tr>
<td>Red light flashes twice each second, green light off.</td>
<td>Defective battery pack.</td>
</tr>
<tr>
<td>Green light on, red light off</td>
<td>Fully Charged</td>
</tr>
</tbody>
</table>
Installing and removing the battery pack (9)
1) Open the battery housing cover (8), insert the battery pack (9) into the battery housing of the mower with sufficient force. Be sure to fully engage the battery pack (9) in place. (See Fig. H1)
2) Insert the safety key for battery pack (20) into the key slot beside the battery pack (9). (See Fig. H2)
3) To remove the battery pack (9), depress the battery release latch (26) upwards and slide the battery pack (9) out from the battery housing. (See Fig. H3)

WARNING: The blade continues to rotate for a few seconds after the machine is switched off. Allow the motor/blade to stop rotating before switching “on” again. Do not rapidly switch off and on.
NOTE: Ensure your battery is charged before use.

Starting and stopping
-Starting
1) Install the battery pack (9) to the mower. Insert the safety key for battery pack (20) into the key slot. Refer to Installing and removing the battery pack (9).
2) Press the lock off button (18), then pull the start bar (3) upward towards the upper handle (2) bar and keep it in position to start the mower and also during use. (See Fig. I)
3) Release the lock off button (18).
NOTE:
• The start bar (3) must be held firmly against the foam grip upper handle (2) bar to both start the mower and to keep the mower running. Releasing the start bar (3) will stop the mower.
• In case of an emergency, release the start bar (3) immediately to switch off the mower.

- Stopping
Release the start bar (3) to stop the mower. Wait until the motor is fully switched off.

Operating

WARNING: Keep hands, feet, hair and clothing away from all the moving parts of the lawn mower. Make sure that the blade (23) is securely fastened before starting the mower.

NOTE: For starting, ensure the lawn mower is set to the highest height setting so the blades (23) are not resting deep into the grass.

This lawn mower has the option to be manually pushed or motor driven self propelled when the motor is running.

- Manual operation
The lawn mower can be manually operated under the user's own power when the mower is operating. i.e. the user is pushing the lawn mower forwards or backwards. To operate this way, after pressing the lock off button (18), ONLY pull the start bar (3) towards the upper handle (2) bar and leave the self propel engagement bar (1) in its original position. (See Fig. J1) Release the lock off button (18) and start operating the mower.

- Self propelled operation
The self propelled operation will only operate when the motor is running. To operate this way, after pressing the lock off button (18), pull the start bar (3) towards the upper handle (2) bar first and then pull the self propel engagement bar (1) upwards towards the upper handle (2) bar also. (See Fig. J2) Hold them in position and the mower will move forward itself with the operator steering and directing using the handlebars.

To stop the self-propelled operation, just release the self propel engagement bar (1) to its original position.
and the mower will stop moving forward unless the operator pushes the mower manually with sufficient force.

**NOTE:** The self-propelled operation is ONLY in the forward direction.

### Mowing

![WARNING: Always observe the strictest safety procedures when using the lawn mower.](image)

Keep a firm grip on the upper handle (2) and walk, never run with the lawn mower; be very careful when mowing uneven or rough ground.

Mow across slopes, never up and down. Be careful when changing the direction of the mower on a slope. Do not use the mower on a steep slope of more than 20°.

The best results will be achieved if the grass is dry. Wet grass will tend to clog the blade (23) and the grass collection bag (16).

Grass grows at different rates at different times of the year. Never use the lowest cutting height for the first cut of the season or in drought conditions. Only about one third of the grass height should be cut.

If the lawn mower will not collect the cuttings efficiently, the grass discharge chute may be blocked. The grass collection bag (16) may be full, or the underside of the mower deck may be clogged.

### Mowing advice

1) Before mowing always check and clear the grassed area for all foreign objects, especially solid ones semi concealed in the ground such as rocks, stumps and garden stakes.

2) Sharp blades (23) cut cleanly and efficiently, if the blades (23) are dull it will tear the grass. This will result in the ends turning brown. When the blades (23) no longer cut cleanly either sharpen them or replace them.

3) To safely operate the lawn mower ensure all four wheels (11) are on the ground and be careful not to lose your footing or control of the lawn mower.

4) For healthy growth, grass should not be cut too short. The grass will remain healthier, greener and require less watering.

5) Vary your cutting pattern from week to week, this will help to prevent matting and graining of the grass.

6) If using the mulching function, and grass is piling up behind the lawn mower during the cutting action, lift the lawn mower to the next cutting height using the height adjustment lever.
Mulch and mowing
Using the mower without the grass collection bag (16) attached, the lawn mower will mulch as it cuts and the fine grass clippings are distributed back onto the grass surface without leaving piles of grass clippings.

To undertake this task, remove the grass collection bag (16), and insert the mulching block (21) into position.

Ensure the side ejector cover (12) is in the closed position. Do not use the side discharge chute (22) when mulch and mowing.

Maintenance

⚠️ **WARNING:** Switch off the mower, remove the battery pack, ensure the blade has come to a standstill, and the engine is cooled before carrying out any adjustment, servicing or maintenance.

Regular maintenance is most important for the best performance and safe operation. Failure to periodically maintain the condition of your lawn mower which results in malfunction of the lawn mower will void warranty.

Before each use:
- Check the battery power;
- Check general condition of the mower;
- Check the blade for sharpness;
- Remove grass clipping and dirt from under the housing.

Replacing the blade (23)

⚠️ **WARNING:** The blade (23) is sharp. Contacting the blade (23) can result in serious personal injury. Wear heavy gloves when servicing the blade (23).

1) Remove the battery pack (9) and the safety key (20), ensure blades have come to a standstill, and the engine is cooled.

2) Tilt the mower to the side to access the blade (23) under the deck. (See Fig. K)

3) Remove the blade bolt (24) using a 27mm wrench (not supplied) in an anticlockwise direction and take off the blade (23).

4) Position the new blade (23) with its holes aligned with the pins. Using a 27mm wrench (not supplied)
to securely tighten the new blade with the blade bolt (24) in a clockwise direction with the force of at least 30-35 N.m.

**NOTE:** The blade (23) will only go onto the location pins one way. Make sure that the blade (23) is full onto the pins before tightening the blade bolt (24).

**NOTE:** Replacement blades can be purchased from https://help.tools/

### Storage and Transportation

- **At the end of the season,** remove the battery pack (9) and the safety key (20) from the mower.
- **Store the battery pack (9)** in a dry environment, away from children and animals, with temperatures between +5°C(-15°C) and 104°C(+40°C) unplugged from the charger and separate from the mower. Every one to two months thereafter and just prior to the first mowing of the season, you should completely charge the battery (9) again for optimal performance and life. Do not store the battery (9) close to a source of heat, sparks, or open flame.
- **Keep the safety key (20)** in a safe place away from children, and separate from the mower.
- **Give the mower an overall cleaning and a thorough check.** Remove all grass, dirt, grease, leaves, etc.
- **Ensure the storage area is DRY,** and is free from excessive humidity and dust.
- **Store the mower indoors** and away from direct sunlight.

For transportation in vehicles, remove the safety key and the battery, fold down the handles and secure the product against movement or falling to prevent injury to persons or damage to the lawn mower.

Whenever the machine is not used for a long period of time, loosen the outer locking lever with washer for upper handle (5). (See Fig. L1) Rotate and fold the upper handles (2) down to the deck as shown in Fig. L2.

Then store the lawn mower in a vertical way as shown in Fig. L3.
80V Lithium-Ion 20” Brushless Lawn Mower

Environmental protection
Recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Warranty

Warranty
Your new FERREX® 80V Lithium-Ion 20” Brushless Lawn Mower will more than satisfy your expectations.
It has been manufactured under stringent FERREX® Quality Standards to meet superior performance criteria.
You will find your new 80V Lithium-Ion 20” Brushless Lawn Mower easy and safe to operate, and, with proper care, it will give you many years of dependable service.
CAUTION. Carefully read through this entire instruction manual before using your new FERREX® 80V Lithium-Ion 20” Brushless Lawn Mower. Take special care to heed the Cautions and Warnings.
Your FERREX® 80V Lithium-Ion 20” Brushless Lawn Mower has many features that will make your job faster and easier. Safety, performance, and dependability have been given top priority in the development of this 80V Lithium-Ion 20” Brushless Lawn Mower, making it easy to maintain and operate.
Use only FERREX® replacement parts for your product. Non-conforming parts or modifications made to parts will void your warranty.

What your 5 year warranty means
Great care has gone into the manufacture of this product and it should therefore provide you with years of good service when used properly.
In the event of product failure within its intended use over the course of as quickly as possible once it has been brought to our attention. In the unlikely event of such an occurrence, or if you require any information about the product please contact us via our after sales support services, details of which can be found in this manual and on the product itself.
After Sales Support TEL: 1300 889 028
* 5 year warranty on lawn mower. 1 year warranty on battery and charger.

Service Support
If you have any issues with the operation of your product, please call our Customer Service on 1300 889 028 for advice, or email us at info.aldi@positecgroup.com
## FAQ/Troubleshooting

<table>
<thead>
<tr>
<th>PROBLEM</th>
<th>POSSIBLE CAUSE</th>
<th>REMEDY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engine fails to start</td>
<td>Battery pack is not installed well.</td>
<td>Check to see if the battery pack is locked in place.</td>
</tr>
<tr>
<td></td>
<td>Battery pack is depleted.</td>
<td>Charge the battery pack.</td>
</tr>
<tr>
<td></td>
<td>Safety key is not in place.</td>
<td>Insert the safety key in correct position.</td>
</tr>
<tr>
<td></td>
<td>Blades hitting the grass to be cut.</td>
<td>Increase the cutting height of the mower so that the blades will not contact with the grass while working.</td>
</tr>
<tr>
<td>The mower stops while mowing (other than releasing the start bar)</td>
<td>Battery pack is depleted.</td>
<td>Charge the battery pack.</td>
</tr>
<tr>
<td></td>
<td>The blade, mower deck, or side discharge chute clogged with debris.</td>
<td>Clean if necessary. <strong>NOTE:</strong> Always ensure the motor is turned off, the battery pack is removed, the blade has come to a standstill, and the engine is cooled.</td>
</tr>
<tr>
<td></td>
<td>Grass is heavy or wet.</td>
<td>Increase the cutting height. Wait until the grass is dry before mowing.</td>
</tr>
<tr>
<td>Cutting performance decreases</td>
<td>Cutting height not suitable</td>
<td>Increase or decrease the cutting height using the cutting height adjustment lever.</td>
</tr>
<tr>
<td></td>
<td>Cutting blades are dull or blunt.</td>
<td>Replace the blades with new / sharp blades. <strong>NOTE:</strong> Always ensure the motor is turned off, the battery pack is removed, the blade has come to a standstill, and the engine is cooled.</td>
</tr>
<tr>
<td></td>
<td>When using side discharge chute.</td>
<td>Clean around the side discharge chute. <strong>NOTE:</strong> Always ensure the motor is turned off, the battery pack is removed, the blade has come to a standstill, and the engine is cooled.</td>
</tr>
<tr>
<td></td>
<td>Grass collection bag is full.</td>
<td>Empty the Grass collection bag</td>
</tr>
</tbody>
</table>

For further inquiries or issues associated with your Lawn mower, call our Customer Service on 1300 889 028 or email us at info.aldi@positecgroup.com
### Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rated voltage</td>
<td>80V d.c.</td>
</tr>
<tr>
<td>Rated no-load speed</td>
<td>2500 /min</td>
</tr>
<tr>
<td>Cutting diameter</td>
<td>510 mm</td>
</tr>
<tr>
<td>Cutting height positions</td>
<td>6</td>
</tr>
<tr>
<td>Grass collection capacity</td>
<td>50 L</td>
</tr>
<tr>
<td>Blade</td>
<td>Mulching Bar Blade</td>
</tr>
<tr>
<td>Product Dimensions</td>
<td>151 x 52.5 x 104 cm</td>
</tr>
<tr>
<td>Machine weight</td>
<td>24.4 kg</td>
</tr>
<tr>
<td>Charger model number</td>
<td>D02103300</td>
</tr>
<tr>
<td>Charger input</td>
<td>200-240V~50Hz, Max. 260W</td>
</tr>
<tr>
<td>Charger output</td>
<td>84V—2.5A</td>
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<tr>
<td>Charger protection class</td>
<td>II</td>
</tr>
<tr>
<td>Battery model number</td>
<td>D01102600</td>
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<tr>
<td>Battery voltage</td>
<td>MAX 80V d.c.</td>
</tr>
<tr>
<td>Battery capacity</td>
<td>2.0 Ah Li-ion</td>
</tr>
<tr>
<td>Charging time</td>
<td>1 Hour</td>
</tr>
</tbody>
</table>
This 80V Lithium-Ion 20” Brushless Lawn Mower complies with the following Standards:

**Safety:**
- IEC 60335-1
- IEC 60335-2-77
- IEC 62233
- AS/NZS 60335.1
- AS/NZS 60335.2.77

**EMC:**
- EN55014-1
- EN55014-2

**Battery:**
- IEC 62133-2: 2017

**Charger Safety:**
- IEC 60335-1
- IEC 60335-2-29
- AS/NZS 60335.1
- AS/NZS 60335.2.29

**EMC:**
- EN55014-1
- EN55014-2
- EN61000-3-2
- EN61000-3-3
ALDI guarantees that our exclusive brand products are developed to our stringent quality specifications. If you are not entirely satisfied with this product, please return it to your nearest ALDI store, within 60 days from the date of purchase, for a full refund or replacement, or take advantage of our after sales support by calling the supplier’s Customer Service Hotline.

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e-mail: info.aldi@positecgroup.com
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5 YEAR WARRANTY