

VÄSSLA 

Bike

Manual

VÄSSLA BIKE

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Original manual

2020-10-14, V1.0

DE - Die deutsche Version dieses Handbuchs ist unter folgender Adresse erhältlich:

SV - Den svenska versionen av den här handboken finns på följande adress:

ES - La versión española de este manual está disponible en la siguiente dirección:

<https://www.vassla.com/download>

The product Vässla Bike is in compliance with regulation (EU) No 168/2013.

To see the full EC declaration of conformity, visit

<https://www.vassla.com/download>

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Safety instructions

Introduction

Your safety and the safety of others is very important. To help keep you safe, we have provided safety information in this manual.

This information alerts you to potential hazards that could cause injury to you or others.

Of course, it is not possible to warn you about all the potential hazards associated with operating your Vässla Bike. Use your own judgement and common sense.

You will find important safety information in a variety of forms:

- Safety labels on your Vässla Bike
- Safety messages that are preceded by a safety alert symbol and one of three signal words: DANGER, WARNING, or CAUTION.

The signal words mean:

- | | |
|---|---|
|  DANGER | Indicates a hazardous situation that, if not avoided, will result in death or serious injury. |
|  WARNING | Indicates a hazardous situation that, if not avoided, could result in death or serious injury. |
|  CAUTION | Indicates a hazardous situation that, if not avoided, could result in minor or moderate injury. |

Further information that is important but not hazard-related can be found after the signal word NOTICE.

NOTICE!

Indicates a situation that, if not avoided, could result in property damage.

General safety

DANGER

Do not use a defective battery or charger

This could result in electric shock.

WARNING

Don't drink and ride

Do not ride your Vässla Bike after drinking alcohol. Even one alcoholic drink can reduce your ability to respond to changing conditions, and your reaction time gets worse with every additional drink.

WARNING

Always wear a helmet

It is a proven fact that helmets and protective clothing significantly reduce the number and severity of head injuries and other injuries. Therefore, always wear a helmet that meets the required safety standards and protective clothing.

Ride defensively

Always pay attention to other vehicles around you and do not assume that other drivers see you. Be prepared to stop quickly or perform an evasive maneuver.

Make yourself easy to see

Make yourself more visible, especially at night, by wearing bright reflective clothing.

While driving

Ride cautiously. Keep your hands on the handlebars and feet on the foot pegs.

Braking suddenly could reduce your Vässla Bike's stability.

Reduce your speed before turning or your Vässla Bike could skid.

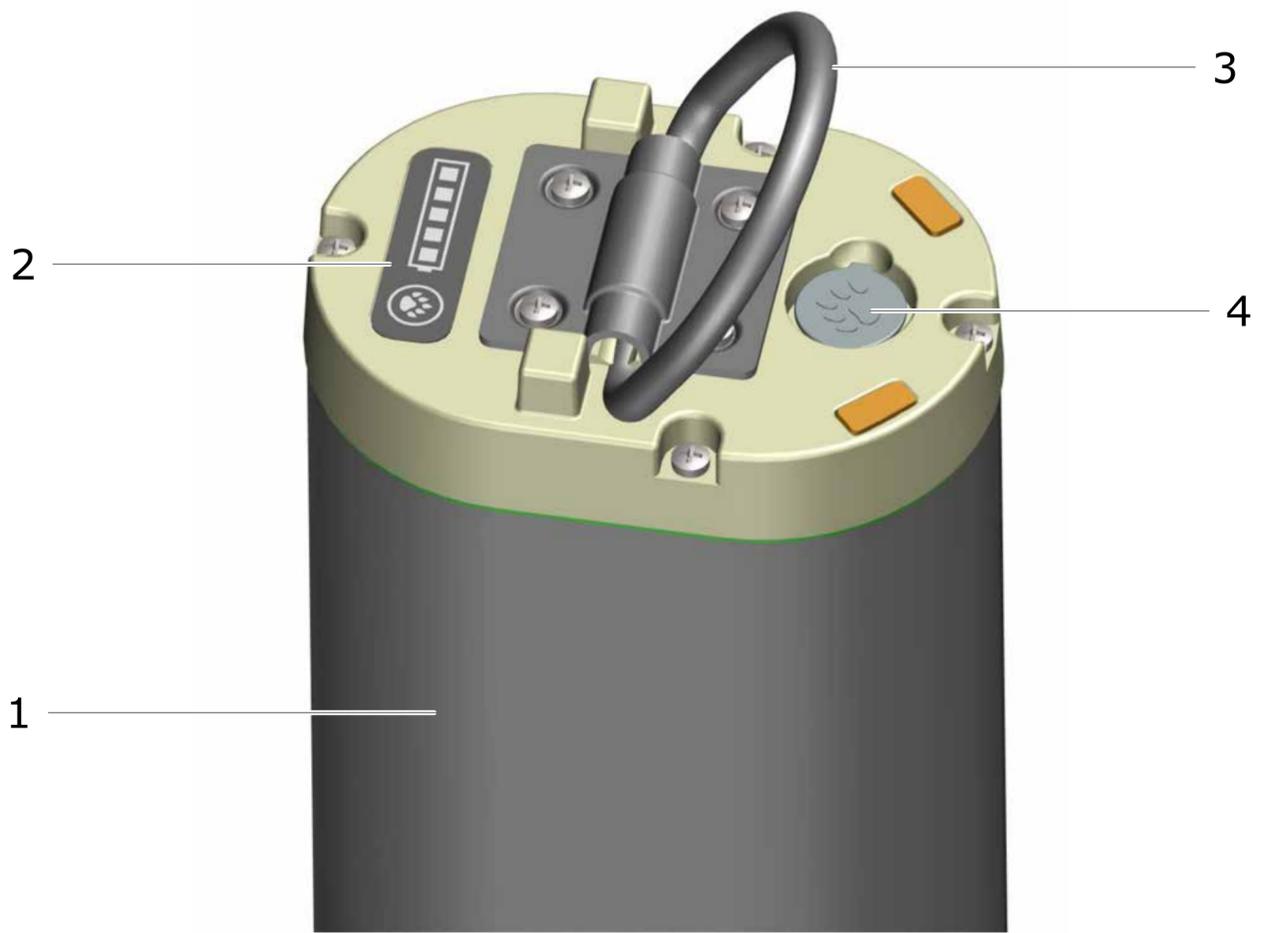
Ride with caution on low traction surfaces.

For full braking effectiveness, use both the front and rear brakes simultaneously.

Overview



- 1 *Horn*
- 2 *Front light*
- 3 *Rear-view mirror*
- 4 *Display*
- 5 *Saddle lock*
- 6 *Battery*
- 7 *Shock absorber*
- 8 *Rear light and license plate holder*
- 9 *Rear disc brake*
- 10 *Main stand*
- 11 *Foot pegs*
- 12 *Front disc brake*

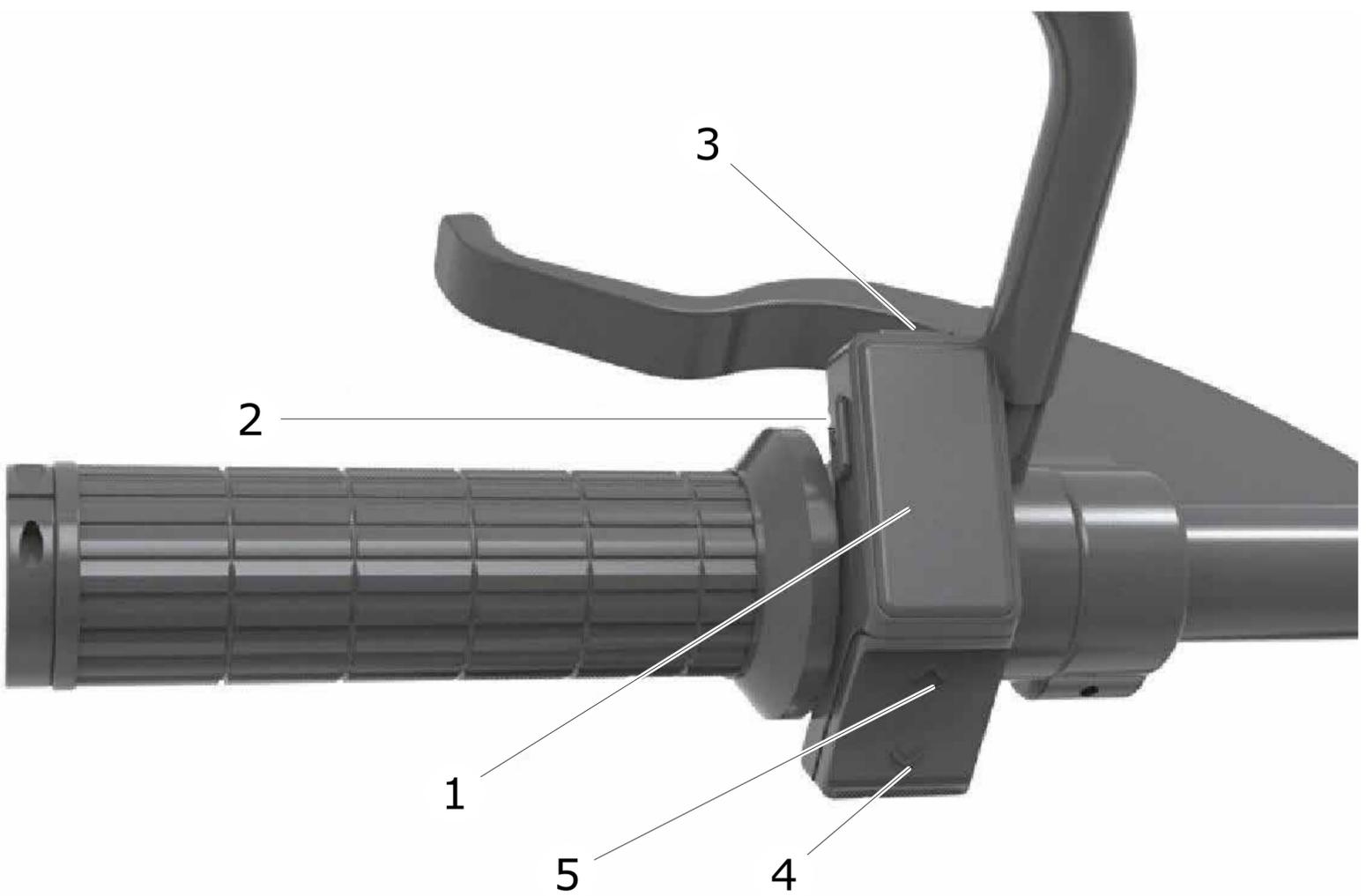


- 1 Battery
- 2 Battery power display (Press the Vässla logo to display)
- 3 Handle
- 4 Charging port

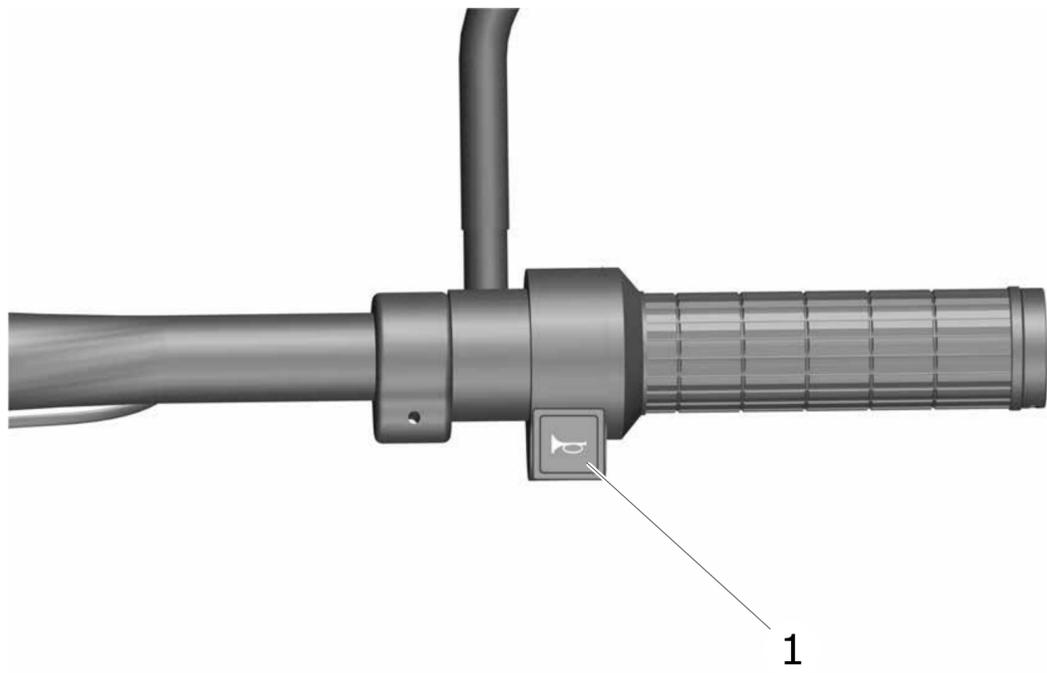
Power

- 100 % – 80 %
- 80 % – 60 %
- 60 % – 40 %
- 40 % – 20 %
- < 20 %

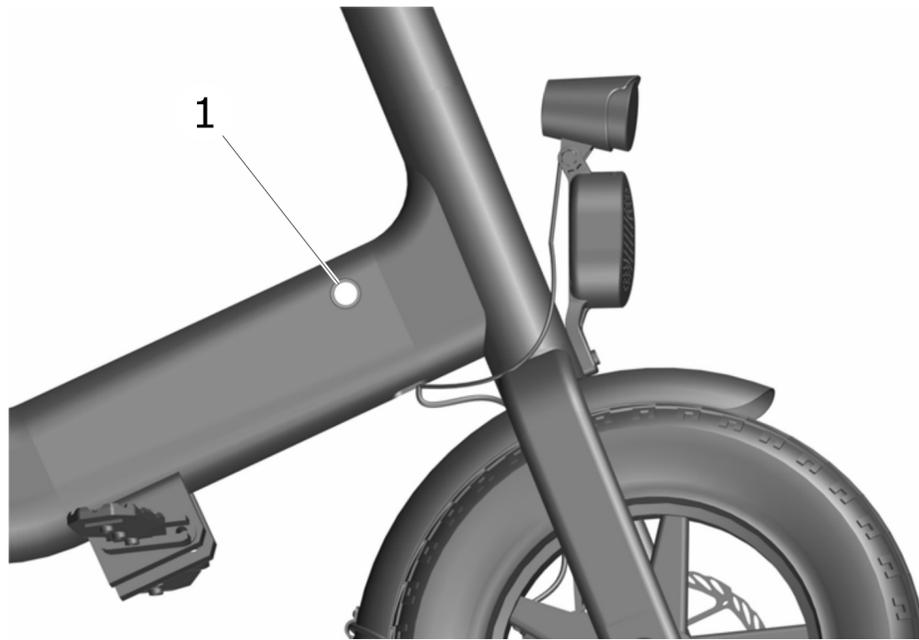
Display



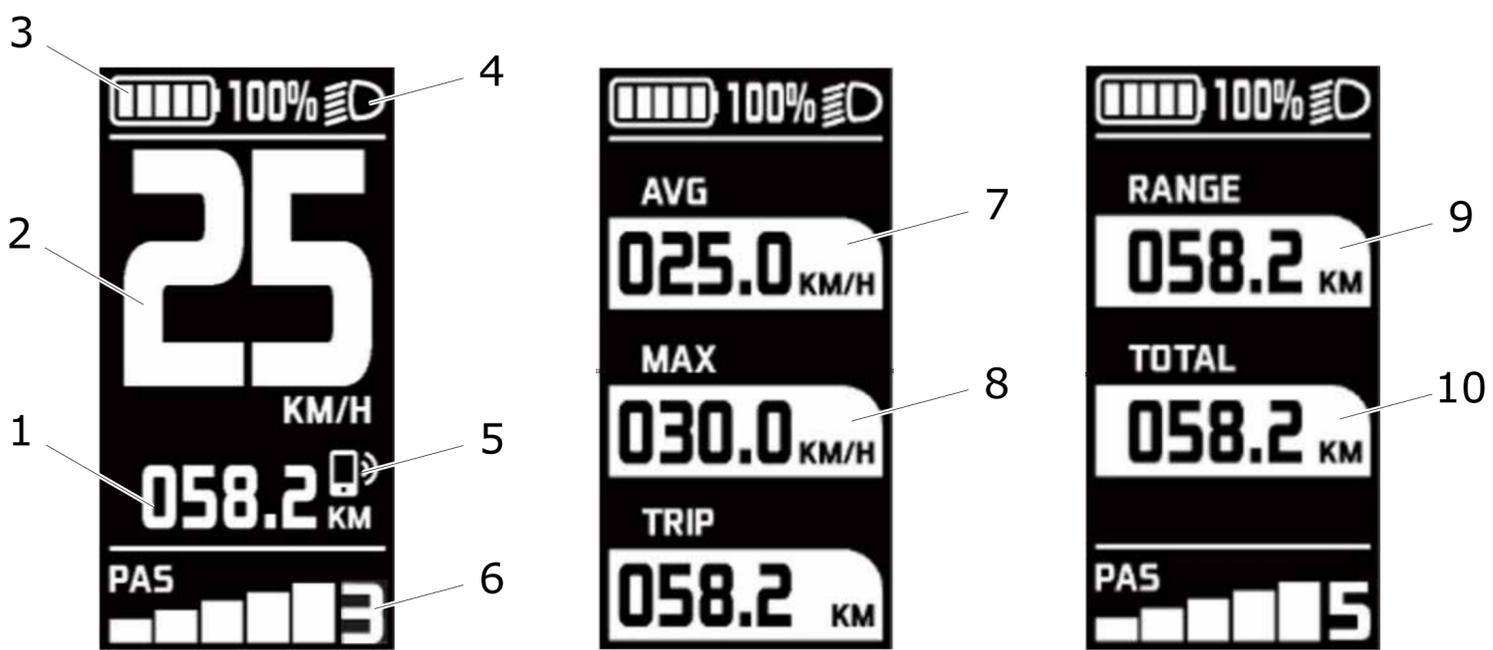
- 1 Display
- 2 M button
- 3 Display ON/OFF button
- 4 Down button
- 5 Up button



1 *Horn button*



1 *Power button*



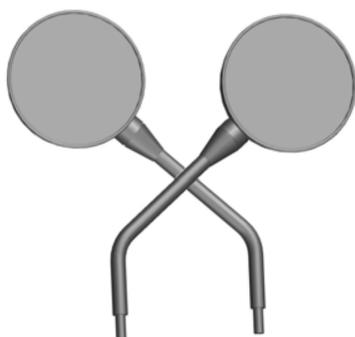
- 1 *Trip distance*
- 2 *Speed*
- 3 *Battery power display*
- 4 *Light*
- 5 *Bluetooth® connection *)*
- 6 *Power level*
- 7 *Average speed*
- 8 *Maximum speed*
- 9 *Range distance*
- 10 *Total distance*

*) *Not available at the moment*

Package contents

The scope of delivery includes:

- Quick start guide
- Two rear-view mirrors
- Battery charger



- Seat key and tool kit



- Battery



Your Vässla Bike



Assembly

Your Vässla Bike is delivered in a box on a Euro pallet.

Your Vässla Bike arrives (almost) completely assembled!

1. Install the handlebars in the order shown in the graphics below. Make sure that the front part is inserted completely. Insert the sleeves until they are flush and tighten all screws.



2. Screw the rear-view mirrors onto the handlebar. You can tighten them with a wrench.



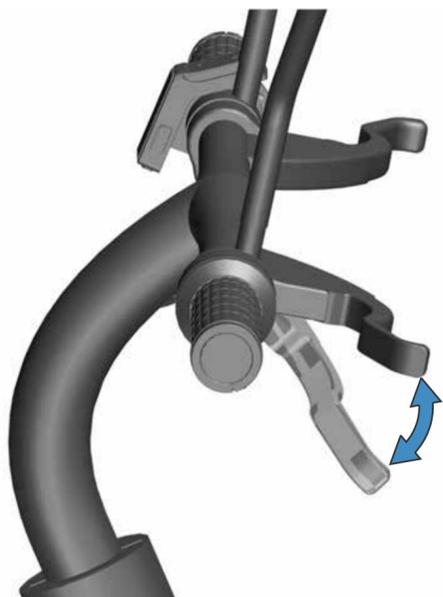
3. Adjust the brake levers to a position that is comfortable for you.



WARNING

Risk of accident!

Make sure that the screws on the brake lever are properly tightened. Use reasonable force.



4. Open the seat by turning the key to the left and your seat will spring open.

 The removable battery is located under the seat of your Vässla Bike.

 **Your battery only has an initial charge when you receive your Vässla bike. However, this battery charge is for transportation purposes only and is not sufficient to ride your Vässla Bike.**

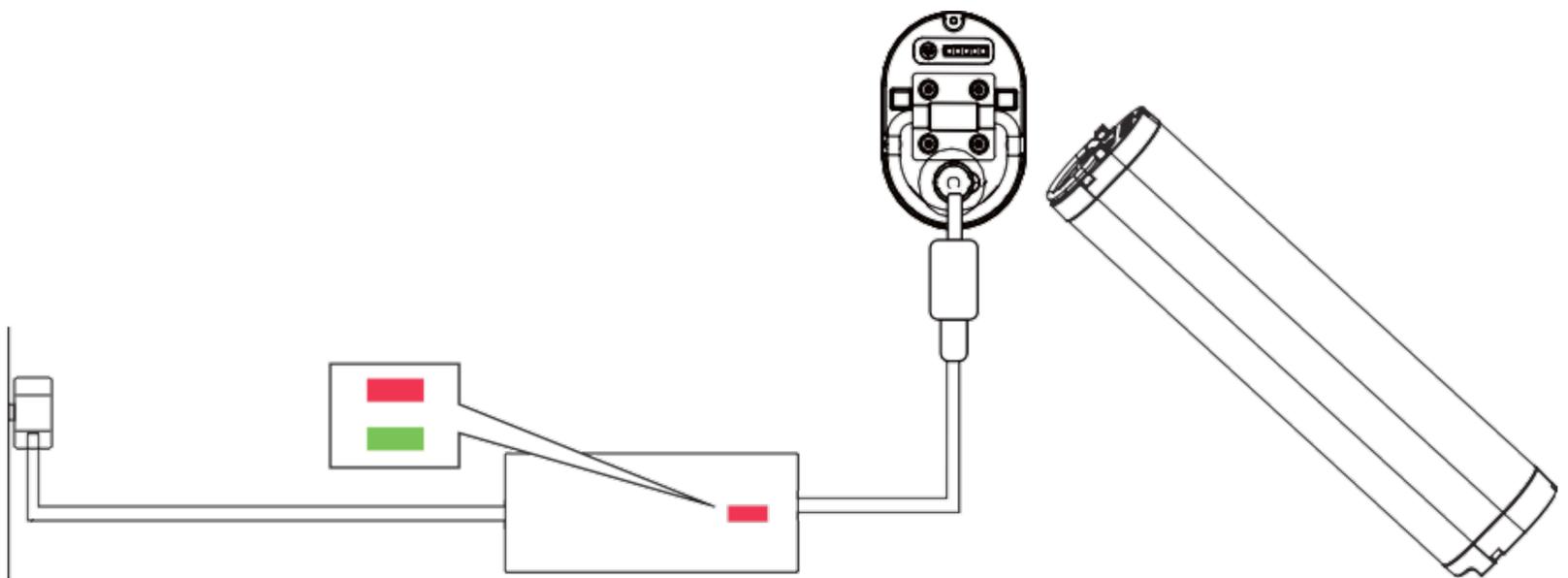
 **WARNING** **Do not use a defective battery or charger!**
This could result in electric shock.

NOTICE!

Fully charge the battery of your Vässla Bike before riding it for the first time. Not doing so will damage the battery.

5. Remove the cover from the charging port and connect the charging cable to the battery.

6. Charge the battery until the green light on the charger comes on.



 The initial charge can take up to six hours. The indicators on the battery only show an estimated charge level. Even if the indicators on the battery show “full”, wait until the green light on the charger comes on. The battery reaches its full capacity after three charge cycles.

 You can easily remove your battery and take it with you wherever you go.

NOTICE!

The bottom of the battery is magnetic and attracts metal!

7. Carefully insert the battery into the seat tube. The battery will automatically connect to your Vässla Bike.

8. Close the seat by simply pressing the Vässla logo in the middle of the seat and the seat will snap into the lock.

 You can also charge the battery when it is installed. All you have to do is open the seat and connect the charging cable. Make sure that the charging cable is not damaged.

9. Attach the license plate to the license plate holder on the rear of your Vässla Bike.

10. Inflate the tire pressure to 4 bar.

 **WARNING** **Crushing hazard!**

If the tire bead is not yet touching the rim shoulder when you start inflating the tire, the tire bead could jump onto the rim shoulder when the tire is inflated to 4 bar.

11. Reduce the tire pressure to 2.5 bar.

12. Check whether the brake cables are properly aligned.

 **WARNING** **Risk of accident!**

Make sure that the brake cables and electric cables do not chafe or hinder steering.

13. Make sure that the front wheel and the handlebars have a full range of motion.

14. Check the mudguard attachment.

15. Make sure that the handlebar is attached to your Vässla Bike correctly and is not loose.

16. Test the brakes and make sure that nothing is loose.

17. Push the power button.

Finished!

Now your Vässla Bike journey can begin.

Always secure your Vässla Bike!

We recommend attaching an external lock for electric scooters to your Vässla Bike. You can buy this in our accessories shop.

Before your first ride

! FULLY CHARGE YOUR BATTERY BEFORE YOUR FIRST RIDE.

i Get acquainted with your Vässla Bike in a safe area that is free of traffic.

i Note that your Vässla Bike has been designed for a maximum load of 125 kg (including accessories, the rider, and cargo).

i If you want to use your Vässla Bike on public roads, make sure that you comply with the local driving regulations, such as regulations for lights and reflectors. These vary from country to country.

i Your Vässla Bike is equipped with mechanical disc brakes. Note that the left-hand lever controls the front brake while the right-hand lever controls the rear brake.

! Do not hang bags or heavy objects from the handlebars, as this could have an adverse effect on your ability to accurately and safely steer your Vässla Bike.

! Avoid wearing loose clothing, such as skirts or ponchos, and make sure that you secure any loose straps. These could get caught in the wheels and cause accidents.

! The brakes on your Vässla Bike are always more effective than the motor. If you have any issues, use the brakes to slow down carefully until you reach a full stop in a safe area.

! After heavy use, the brake discs may be hot. Please beware.

! Be aware that stopping distances for your Vässla Bike may be longer than they are for conventional bikes that you may have experience with. In wet conditions, stopping distances may increase even further. Extra caution is required.

Useful battery care instructions

! FULLY CHARGE YOUR BATTERY BEFORE YOUR FIRST RIDE.

i During the first three cycles, your battery learns how to improve the accuracy of its estimations for the state of charge. As such, during your first few rides, the battery percentage indicated may be inaccurate.

i Lithium ion batteries have no memory effect. We recommend charging your battery after every ride.

! Charge the battery indoors and only on a non-flammable surface.

! Charge the battery only with the charger included in the scope of delivery.

! Charge the battery where the ambient temperature is 15 °C to 25 °C.

! Do not expose the battery or charger to bright sunlight while charging.

! Keep the battery and charger away from moisture and water while charging.

i We recommend charging the battery during the day and inside dry rooms fitted with smoke detectors, but not in your bedroom.

! Remove the battery from your Vässla Bike before doing any maintenance or cleaning.

! Keep the battery connectors clean and dry.

! Before using or charging your battery, make sure that it is in good condition (no corrosion, cracks, or other damage). Do not open, disassemble, or crush the battery.

! Do not use a battery or charger that is defective.

! Keep the battery and charger out of the reach of children.

! Keep the battery and charger away from fire and heat.

! Make sure that the battery completes a full discharge/charge cycle at least once every two months.

! Avoid leaving your battery fully discharged for prolonged periods. This will negatively and permanently affect the battery's capacity.

! Remove the battery from your Vässla Bike if you do not use it for a long period of time.

Riding electrically

You can ride approximately 40 kilometers on one charge.

The same parameters that affect the fuel consumption of a combustion engine also affect the range of your Vässla Bike. If you ride with more weight, uphill, with headwind or low tire pressure, the range of the battery charge is significantly reduced.

Most of the battery capacity is used to accelerate the vehicle, especially uphill.

We recommend keeping the tire pressure at 2.5 bar to maximize the range.

The lithium battery cells in the portable battery are very sensitive to the cold. We recommend storing the battery in your warm home during cold weather. That way, you can always use a warmed battery when riding your Vässla Bike in cold weather and make sure that the performance of your lithium battery is maintained.

Your lithium battery is designed for approximately 1500 full charging cycles.

However, the actual number of charge cycles depends on the use and maintenance of your battery. A full charge cycle of a battery corresponds to a charge of 0 % – 100 %. A battery charge from 50 % to 100 % corresponds to half a charging cycle. Therefore, you can go a long way with your Vässla Bike.

The Battery Management System (BMS) protects your battery from overcharging or your battery cells from being discharged.

At a battery charge level of 7 %– 10 %, the battery can be switched off by the BMS to protect the battery cells. This ensures that the battery of your Vässla Bike maintains a high charging capacity.

NOTICE!

If the battery capacity decreases, the top speed of your Vässla Bike will decrease.

Your Vässla Bike battery can be charged separately from your Vässla Bike. 80 % battery capacity is reached after three hours. After five hours, the battery is fully charged.

Your Vässla Bike battery can easily be removed. You do not need any tools.

Operation

Switch ON/OFF

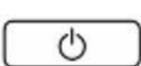
1. Press the power button.
⇒ The button lights up.
2. Press and hold the display ON/OFF button until the display is on.
⇒ The display turns on.

 To turn it off, hold and press the display ON/OFF button again until the display is off.

 When your Vässla Bike is not moved or used for a consecutive five minutes, it will automatically shut down and turn off the motor power supply.

Display



1		Power level	6		M button
2	058.2 _{KM}	Trip distance	7		Bluetooth® connection *)
3	25 _{KM/H}	Speed	8		Up button
4		Battery power display	9		Down button
5		Light	10		Display ON/OFF button

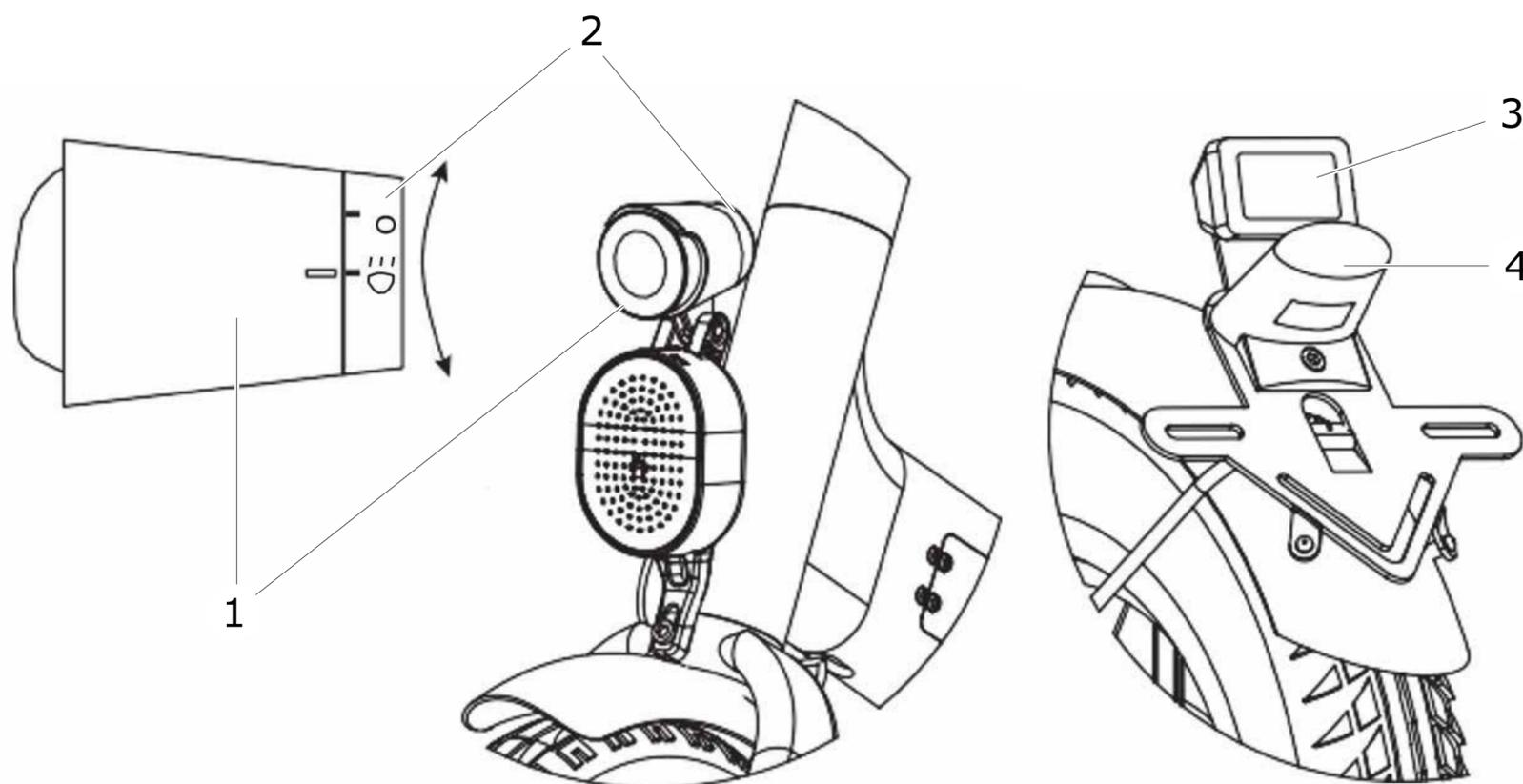
1. Press and hold the display ON/OFF button until the display is on.
2. Press the M button briefly to switch between the different displays.
3. Press the Up button or the Down button briefly to switch between the different gears.

 Gear 1 is for minimum power; gear 3 is for maximum power. Gear 0 is without power.

 The last gear setting is saved and automatically selected at the next startup.

*) *Not available at the moment*

Lights



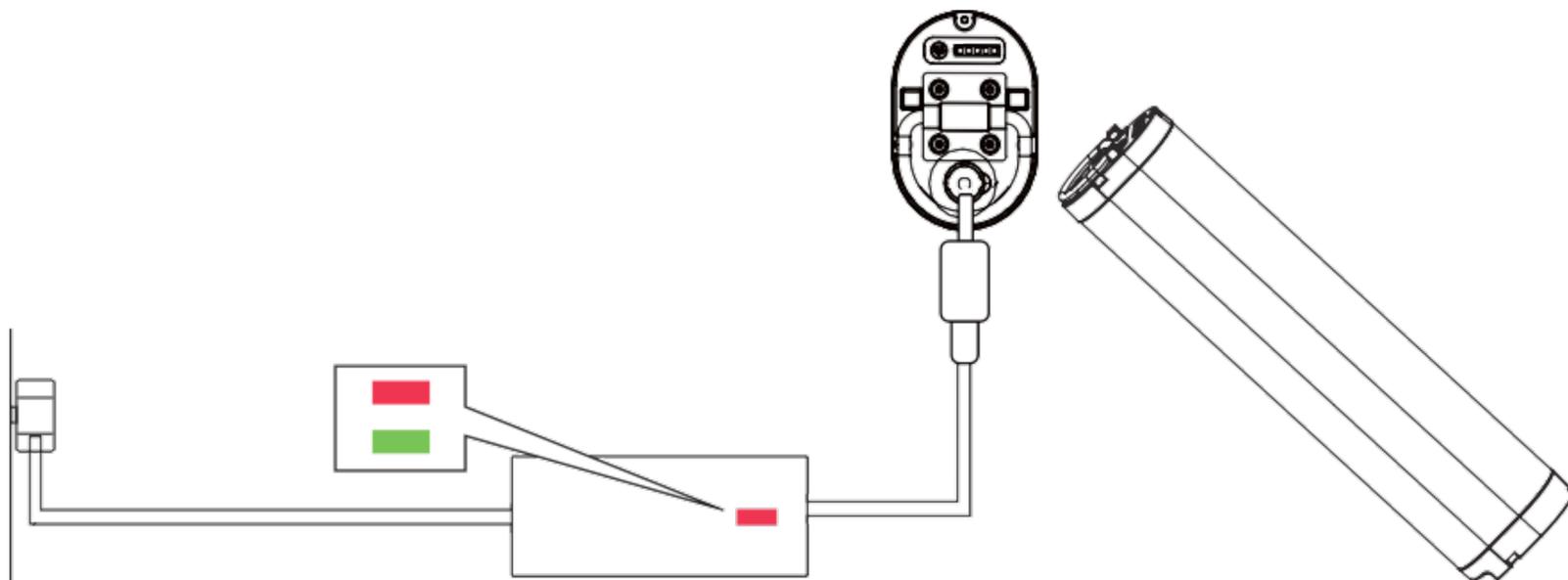
- 1 *Front light*
- 2 *ON/OFF switch*
- 3 *Brake light*
- 4 *License plate light / Rear light*

- !** Make sure that the light switch for the front light is switched on!
1. Press and hold the Up button until the light turns on.
⇒ The light indicator  in the display turns on.
 2. Press and hold the Up button until the light turns off.
⇒ The light indicator  in the display turns off.
 3. The brake light lights up automatically when you activate the brake.

Charging the battery

 When you connect the charger to the battery charger socket, the charger shows a green or red light, depending on whether the battery is charging (red) or is already fully charged (green).

1. Open the seat by turning the key to the left and your seat will spring open.
2. Remove the cover from the charging port and connect the charging cable to the battery.



3. Charge the battery until the green light on the charger comes on.

 The indicators on the battery only show an estimated charge level. Even if the indicators on the battery show "full", wait until the green light on the charger comes on.

 You can easily remove your battery and take it with you wherever you go.

 You can also charge the battery when it is installed. All you have to do is open the seat and connect the charging cable. Make sure that the charging cable is not damaged.

 **WARNING** **Do not use a defective charger**
This could result in electric shock.

NOTICE!

The bottom of the battery is magnetic and attracts metal!

4. Carefully insert the battery into the seat tube. The battery will automatically connect to your Vässla Bike.
5. Close the seat by simply pressing the Vässla logo in the middle of the seat and the seat will snap into the lock.

Battery power display

Press the Vässla logo to display the battery charge.

Power	Display
100 % – 80 %	
80 % – 60 %	
60 % – 40 %	
40 % – 20 %	
< 20 %	

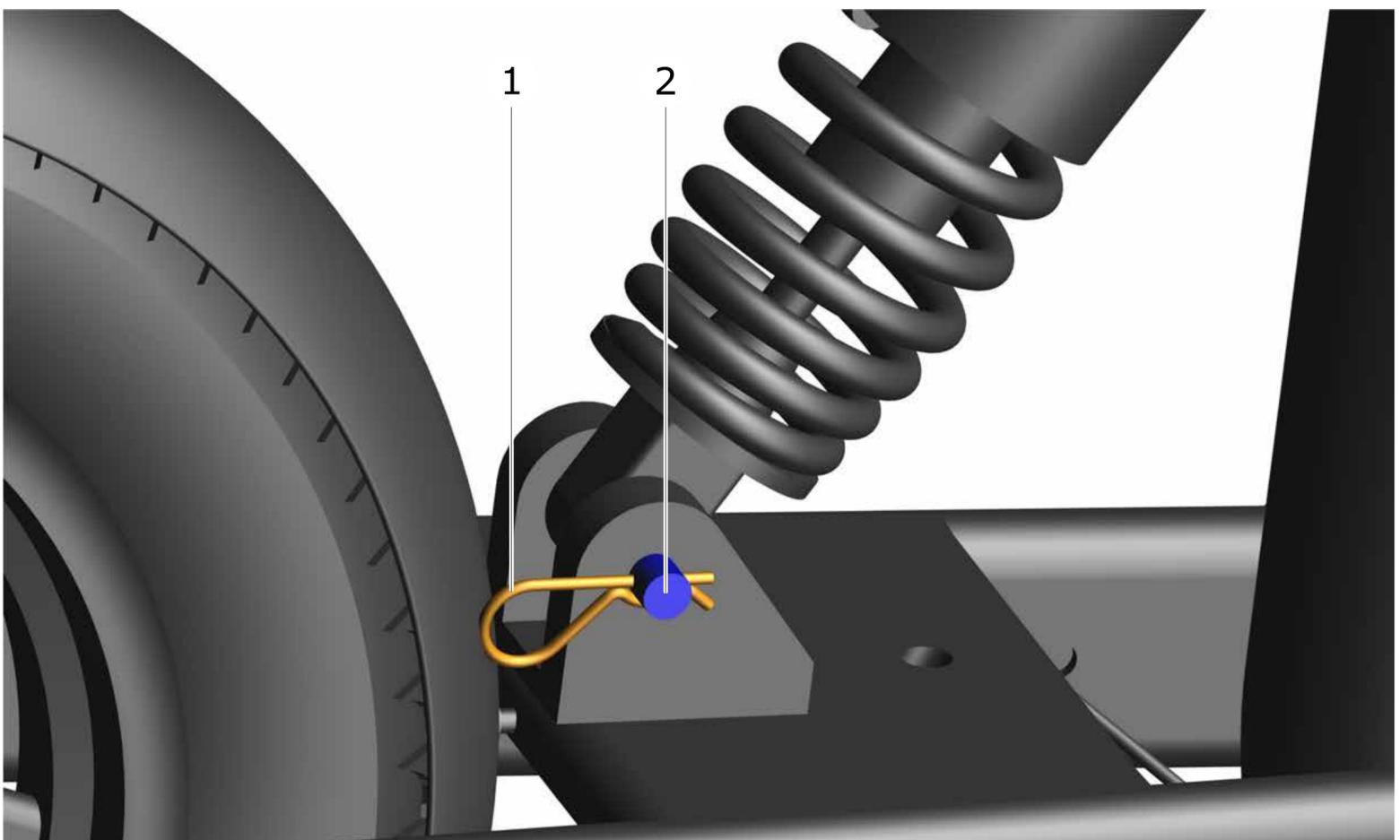
NOTICE!

Charge the battery when the battery power is less than 20 %. Otherwise, the battery life will be affected.

Folding up your Vässla Bike

 You can fold up your Vässla Bike to carry it in the trunk of a car.

1. Fold in both foot pegs to avoid damage to the vehicle.
2. To fold it up, first pull the R-clip out of the retaining bolt in the shock absorber.
3. Pull the bolt out of the strut mount and fold your Vässla Bike.



1 R-clip

2 Retaining bolt in the shock absorber

4. Unfold your Vässla Bike by following the steps above in reverse order.



WARNING

Risk of accident!

Make sure that the R-clip is secure in the retaining bolt.

Before every trip

1. Make sure that the retaining bolt in the shock absorber and the R-clip are secure.
2. Check the wheels for damage or wear before each ride. The profile depth should be at least 1.6 mm. Also, check the thickness of the brake pads.
-  Tires, brake pads, and brake discs are wear parts and are not subject to the two year warranty on your Vässla Bike.
3. Check whether the battery charge is sufficient for the ride.
4. Make sure that the lights work.
5. Check the brakes.
6. Make sure that the horn works.

Maintenance

We recommend carrying out regular maintenance once a year or every 1000 km, whichever comes first.



WARNING

Do not try to open or reach any part of the electrical system of your Vässla Bike.

This could result in injury and permanent damage to your Vässla Bike.

Your Vässla Bike is not approved for steam cleaning, high-pressure cleaning, or cleaning with a water hose.

Clean your Vässla Bike with a moist rag.

Clean the saddle only with water.

Brake pads are an important part of your Vässla Bike and ensure that you can always ride in safe conditions. We recommend checking them every 1000 km or as soon as you feel less braking strength or hear a creaky noise.

Warranty

1. Consumers have a legal warranty for two years starting from the date your Vässla Bike is delivered, in accordance with the conditions set out in the relevant legislation.
2. The warranty covers workmanship and material defects in all original components.
3. The warranty applies to original owners and is transferable to subsequent owners. Claims under this warranty must be made directly to Vässla.
4. The warranty does not cover:
 - Incorrect assembly or installation of the product by the user
 - Improper or negligent use, operation, or transformation of the product
 - Maintenance carried out contrary to the product instructions (e.g. failing to maintain the brakes)
 - Normal wear and tear (e.g. tires, brakes)
 - Damage or defects due to accidents

Technical data

Motor	Wheel hub motor
Power output	450 W
Max. speed	25 km/h
Range per charge	40 km
Battery cells	21700 Li-ion cells from Samsung
Charge function	3 hours to 80 % capacity 5 hours to 100 % capacity
Battery weight	3.6 kg (replaceable)
Battery voltage	36 V
Battery capacity	691.2 Wh
Total weight	23.4 kg excl. battery
Maximum load	125 kg
Tire size	14 inches
Tire pressure	2.5 bar
Frame material	Aluminum
Brakes	Disc brakes front and rear
Length	133 cm
Height	115 cm

