



POLYGON

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PEDELEC SYSTEM
BICYCLE OWNER'S
MANUAL

Instruction manual
(Original instruction)



PT. Insera sena

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A. INTRODUCTION

The pedelec's electric motor assists you while you pedal. Pedelec stands for Pedal Electric Cycle and means that the motor is only activated when you pedal. This provides helpful assistance particularly on inclines or when transporting loads. While riding your pedelec, you can decide how much support you want to receive from the motor.

These original operating instructions are not intended for the assembly and/or repair of pedelecs.

Changes done to the technical details that pertain to the information and illustrations are reserved for the original operating instructions.

These original operating instructions contain general information about the pedelec's characteristics. Since there are many different models and designs, it is not possible to provide the reader with every bit of information.

We provide how to operate the pedelec in this manual book. To find out specialised information about your pedelec, please read the operating instructions included by the component manufacturer. You can find general technical information in the original general operating instructions enclosed.



WARNING ! As with all mechanical components, EPAC is subjected to wear and high stresses . Different materials and components may react to wear or stress fatigue in different ways. If the design life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any form of crack, scratches or change of colouring in highly stressed areas indicate that the life of the component has been reached and it should be replaced.



WARNING : Note that in the case of polygon pedelecs only certain components are allowed to be replaced to ensure insurance cover. Be sure to only use original spare parts. If a component needs to be replaced, make it a rule to only use original spare parts. Wearing parts of other manufacturers, e.g. motor or battery that are not of identical size, may cause harm to the safety of your polygon pedelec. Risk of accident! be sure to only assemble original spare parts.

IMPORTANT NOTICE

Contact the place of purchase or a distributor for information on installation, adjustment, and replacement of the products which are not found in the user's manual. For safety, be sure to read this "user's manual" thoroughly before use, follow it for correct use, and store it so that it can be referenced at any time.

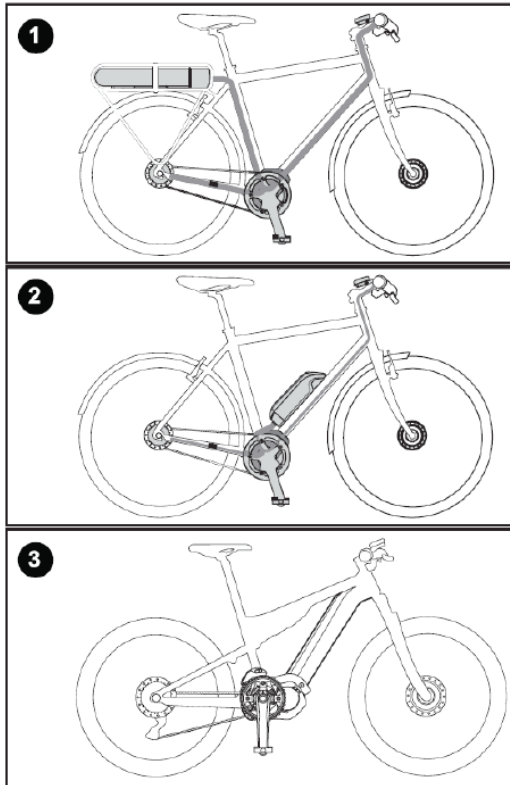
Important safety information



WARNING : Do not disassemble or modify the product. This may cause the product to not operate correctly, and you may suddenly fall and be seriously injure that the life of the component has been reached and it should be replaced.

B. VARIOUS VERSIONS OF MOTORS AND BATTERIES

Pedelecs are manufactured with motors and batteries in various version and combination. On our bikes we have 2 general types of ebikes, mid motor and rear motor. See the following example of diagram for mid motor as below :

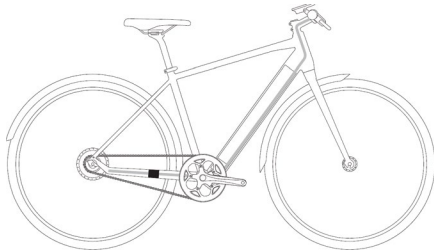
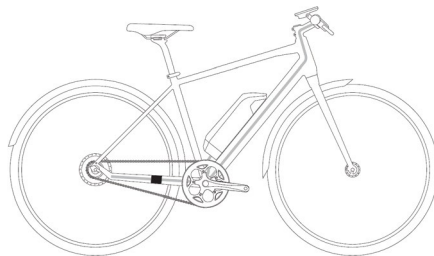
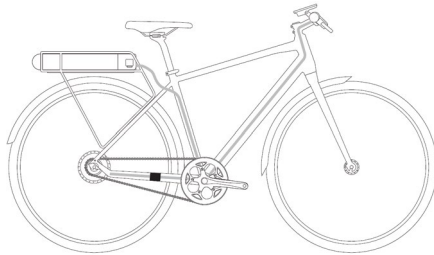


There are 3 types of mid motor diagram :

1. Mid motor with battery on bicycle rack
2. Mid motor with battery on the downtube
3. Mid motor with battery inside the downtube (Integrated)

There are 3 types of Rear motor system :

1. Rear motor with battery on bicycle rack
2. Rear motor with battery on the downtube
3. Rear motor with battery inside the downtube (integrated)



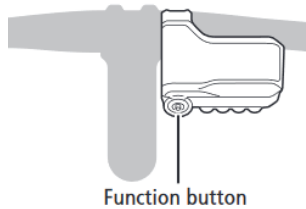
Rear and mid motor have different appearances, where the mid motor have motor in the middle of the bike and rear motor in the rear wheel of the bike. Even the LCD display and the display element may have a different appearance. Polygon pedelec are equipped with parts that work together to make the pedelec system powerful and natural. The dB level perceived by the driver is less than 70dB. The permissible overall weight for Polygon pedelec is 125 kg / 275 lbs.

The pedelec will support when the rider start pedaling, and If the rider not start pedaling, the pedelec will not support the rider even the pedelec already go on the road. This type of pedelec can be use only in the city road and cannot use in the terrain like in the trail track, climb the mountain, etc. If use in other terrain can be harm the pedelec.

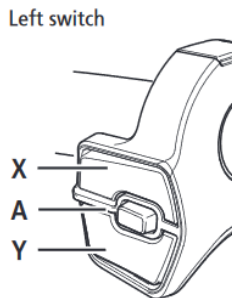
Please bring to the outlet to repair the pedelec and use the genuine replacement parts for safety-critical components to avoid damage to other parts.

C. OPERATION FOR USE

There are 2 types of display we generally used on our system where the difference is about the assistance information, button location and how to operate it.



Here is the examples of LCD displays type A located in the middle of the handlebar. You can select assist levels and make adjustments by pressing the switch on the left handlebar. The switch on the left handlebar can be used to select the assist level and choose the LCD data display.



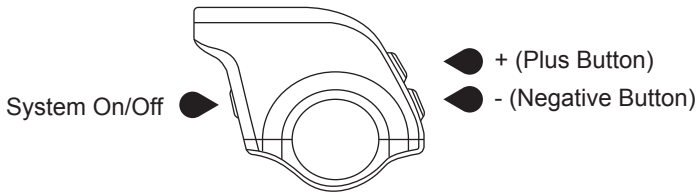
Switch X =
At Riding : Increase assist level
At Setting : switch "UP" cursor menu

Switch Y =
At Riding : Decrease assist level
At Setting : switch "DOWN" cursor menu

Switch A=
At Riding : Change data on display
At Setting : Select or confirm setting

Here is the examples of LCD displays type B located in the left side of the handlebar. You can select assist levels and make adjustments by pressing the switch on the left handlebar. The switch on the left handlebar can be used to select the assist level and choose the LCD data display.

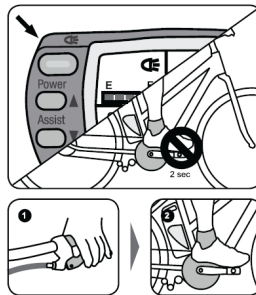
To turn on the system press and hold (>2s) on the display and press and hold (>2s) again to turn off the system.



The operation procedure provided here refers to cases where the cycle computer is set to the default values. Pedelects are manufactured in a variety of designs based on different interests and target groups. They mostly differ in where the motor and battery are placed.

Therefore, your pedelec's appearance may vary from the illustration shown here. However, the general functions described are still the same. For individual technical details please read the operating instructions for the electrical system.

⚠ WARNING : Always squeeze the brakes to your pedelec before you place a foot on the pedal. The motor starts propelling as soon as you step on a pedal. This boost is unusual and can lead to falls or cause dangerous traffic accidents and injury to occur.



i Practice operating and riding your pedelec in a quiet and safe place before you take to public roads !

i Be careful not to exceed the pedelec's weight allowance. This is how the permitted weight is calculated : The weight of the biker + the pedelec's weight + the weight of the luggage + the weight of the trailer/luggage Refer to the manufacturer's instructions to find out the necessary information on the bike's permitted weight.

⚠ WARNING : Please avoid to ride in the road that have potential be flood cause can harm the electrical part, not just can harm the motor but maybe can harm the other electrical part.

⚠ WARNING : While the support mode is on, do not put one foot on the pedal in order to swing the other leg over the seat. The pedelec may otherwise immediately take off. There is a risk of falling over !

D. Legal Requirements

There are various kinds of pedelecs and e-bikes, all of which have differing legal regulations to follow within the scope of the European Union. A pedelec (pedal electric cycle) is a bike which provides an electric drive when the pedals are in motion. It has a strong motor of 250 watts at max (GB: 200 watts) and can be ridden up to 25 km/h in speed. Therefore, it still constitutes as a bike which doesn't require registration. The s-pedelec is the faster variation. For the s-pedelec, the electric drive is also activated by putting the pedals into motion. However, the motor is stronger, usually between 350 and 500 watts, and the engine shuts down when it reaches around 45 km/h.

- i** Please inform yourself about the applicable national regulations in your specific country. Refer to the bike's registration form to see which pedelec model you have. Heed to the legal regulations. Ask for information at your local bike shop.

Check whether your private third-party-liability insurance covers possible damage caused by using a pedelec.

According to EU-law, a pedelec is under the same category as a bike and, therefore, has the same requirements as a bike does. The arrangements for using bicycle paths are also the same as for bicycles. Outside of this scope of application as well as in some areas within the EU, special regulations may apply. Inform yourself on the current legal regulations.

Your pedelec may already be able to provide your bike with an extra "push". If not, it can be installed at a bike shop. This pushing aid enables the pedelec to move up to 6km/h without you having to pedal.

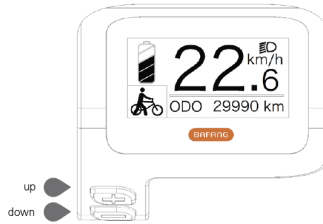
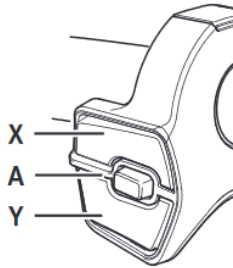
The following only applies if your pedelec / e-bike hasn't got a generator/ dynamo: If you want to ride without electrical power, you still need to carry the pedelec's battery with you. However, a dynamo is required if you have to ride with lights.

1. Walk Assist Mode

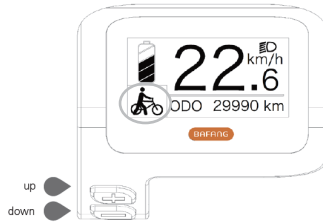
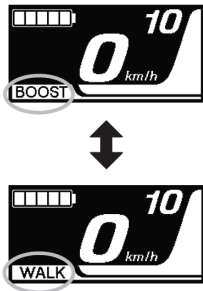
Walk assist mode is installed in some models. It allows you to move your pedelec slowly at up to 6 km/h without pedalling. If you have to push the pedelec out of an underpass or a parking garage for example, this mode can be useful. Do not use this walk assist mode to ride the bike.

(a) Press and hold the Y switch until a WALK appears on the display indicating you have entered walk assist mode.

Left switch



(b) Press and hold the Y switch again to run the motor in walk assist mode.



(c) Release the Y switch to stop the motor assist movement.

(d) Press X switch to exit from walk assist mode.

2. S-pedelecs and their use on bike lanes

In towns and cities, you are only allowed to use s-pedelec's pushing aid (even without motor support) when you have seen a sign permitting its use (In Germany : Mofas frei) Outside of towns and cities, you may use your s-pedelec on bike lanes unless it is clearly marked as prohibited (in Germany : Keine Mofas)

i The legal requirements listed here are represented in their current state. The rules and regulations for pedelecs and fast pedelecs are constantly being revised and edited. Pay attention to the media for changes relating to legal regulations so that you remain up to date on the current situation.

E. BEFORE THE FIRST RIDE

In addition to all the inspections mentioned in the chapter “Before the first ride” located in the technical part of the instruction manual, the pedelec also requires the following:

1. Inspecting important components to your pedelec.

- Please check that the battery is secure.
- Check the charging state of the battery to ensure that the charge is sufficient for the drive planned.
- Making sure that all of the plugs and connections are securely fastened in the electrical system.
- Familiarise yourself with the functions of the operating element.

2. Instructions about electrics and electronics

Your pedelec is supplied with the corresponding operating manual for the integrated motor from the component manufacturer.

For more information about the bike’s operation, maintenance, up keep and technical data, read the instruction manual along with the websites for each of the manufacturer’s parts.

⚠ WARNING : The electrical installation of your pedelec is very powerful. Correct and safe operation requires you to have it regularly maintained by a specialist retailer. Immediately remove the battery when you notice damage to the electrical system, particularly when live parts are exposed after an accident. Always contact your specialist retailer when you require repairs, want to ask a question, have a problem or discover a defect. A lack of technical knowledge can lead to severe accidents or injuries.

⚠ WARNING : Always remove the battery before doing any kind of work on the electrical system to your pedelec.



- Only charge the battery with the charger it belongs to.
- Don't allow the battery to fall.
- Don't ever open up the battery; this can cause the battery to short circuit.
- Do not store or carry the battery with any metal objects (e.g. paper clips, nails, screws, keys, coins) that could cause short circuits
- Keep the battery away from heat (i.e. strong sunrays and fire).
- Protect the battery from coming in contact with water and other fluids.
- Do not clean the battery with a pressure washer. Use a damp rag when cleaning the battery. Never use aggressive cleaning solutions.

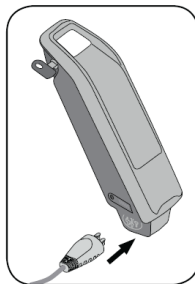
⚠ WARNING : Do not touch the drive unit when it has been continuously used for a long period of time. The surface of the drive unit becomes hot and could cause burns.

⚠ WARNING : Do not touch the charger adapter while the battery charging process is running. The surface of the charger adaptor becomes hot and could cause burns.

⚠ WARNING : Do not make modifications to the polygon pedelec system, especially modification of speed limits. A modified pedelec must no longer be used on public roads. All illegal modifications can be dangerous to you and people around you.

3. Loading process

In some models you can charge the battery while it is mounted in the pedelec. Please read the component manufacturer's operating instructions in this regard. You may also remove the battery from it's holder and charge it somewhere else. This is especially recommended in cold temperatures so that the battery can be charged in warmer conditions. This allows the battery to charge more quickly.

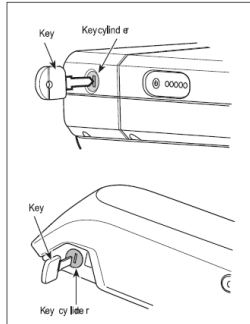


⚠ WARNING : Please note that a sudden change of temperature from cold to warm can cause condensation to build up in the charger. Avoid this by storing the battery in the same place it is charged. Only use the charger your battery came with or one which is designed for the battery. There is otherwise a risk of fire.

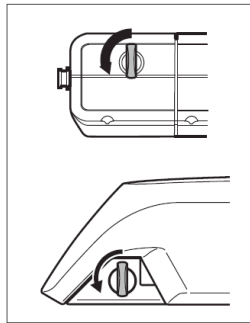
To ensure the full lifespan of the battery, it should be charged in an environment between 10°C and 30°C.

4. Removing the battery

(a) Turn off the power, then insert the key into the key cylinder in the battery holder.

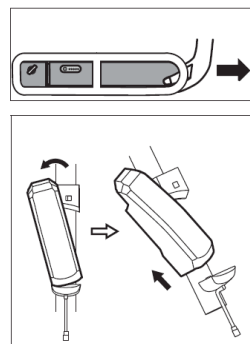


(b) To unlock the battery turn the key to the left until you feel some resistance.



(c) Pull out the battery.

(d) Hold the upper part of the battery and slide it to the left to remove it.



Hold the battery firmly and be careful that it does not drop when removing or carrying it.

5. Charger

i Read the operating instructions for the charger before beginning to charge the battery.

- Only use the charger that came with your bike or one from the same manufacturer.
- Use the charger in a dry room and don't cover it up while it is in use. It could otherwise short circuit or cause a fire.
- When you clean the charger, unplug it from the electrical socket first.
- After charging, remove the battery from the charger and unplug the charger.

6. Charging the battery

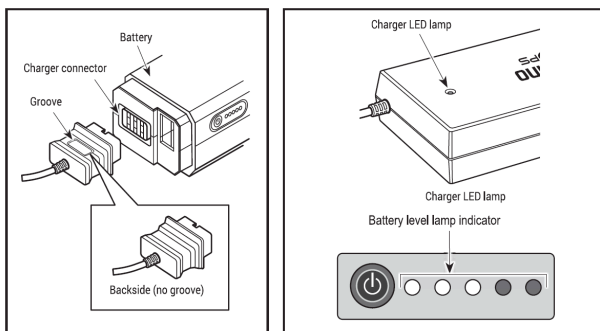
After removing the battery from its packaging, stick the power plug into an electrical socket with a voltage between 230 and 240 volts.

⚠ **WARNING** : For safety reasons, always place the charger on a dry, non-flammable surface.

i Charging the battery : Never place or store several batteries on top of each other.

⚠ **Warning** : Before charging or connect to power source please read carefully the specifications and follow the instructions contained on the label of the battery charger are not of identical size, may cause harm to the safety of your polygon pedelec. Risk of accident! be sure to only assemble original spare parts.

The battery begins charging as soon as you have plugged the charger into the wall. If your charger features LED lights, they will shine permanently while the battery is charging. If the battery's charge level is shown by the LEDs on the battery, the number of bulbs show how much still needs to be charged. The charging process goes through several stages. If this stage is fully charged, the LED will be off permanently. If all of the LEDs go out, this means the charging is complete.



(The Color of the Charger, Red is charging and Green is Full)

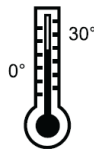
Some charger might have different led colour. Indicator of the charger will be turn red color and when the battery is already full the led indicator will be turn into green color. When the charging is complete, please unplug the power from the battery. The charger is use indoor only and can not use at outdoor to avoid the damage to the charger and battery.

i If your charger features LEDs and they are shining permanently, this usually means a charging defect has occurred. If this is the case, allow the charger and battery to be inspected by a bike specialist.

* If the charging is complete, you should remove the power plug from the electrical outlet.

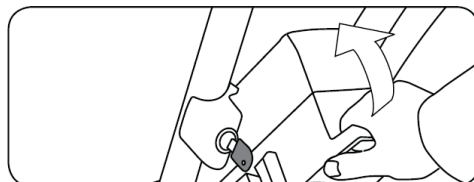
! **WARNING :** A defected battery should neither be charged nor used any further. A battery can become warm while charging. While charging, a max temperature of 45° C is permitted. If the temperature is any higher than this, end the charge immediately.

i It is always permitted to fully charge the battery again. There is no memory effect. The ideal temperature to charge the battery in is between 0° C and +30° C. If the battery is charged in a cooler environment, the battery takes longer to charge. If the temperature is above 45° C, the battery will not charge. When temperatures drop outside, it is best to store and charge the battery in your home or in a warm garage and to only insert it unto the bike shortly before riding it again. This will extend the battery's lifespan.



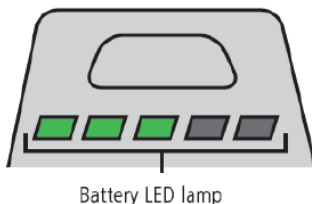
a. Inserting the battery

- Before using the battery, the key must be placed in the lock and turned clockwise. This will allow the battery to be placed in the pedelec's battery holder. Depending on where the battery is placed, it may need to be turned roughly 45° outwards.
- Make sure that the locking device is locked when you press the battery into the holder. Turn the key clockwise and pull it out. The battery is now locked into place.
- Please check that the battery is secure.



b. Battery information system

The battery to your pedelec is connected to an information system which provides you with information about the battery's state of charge and capacity. This information is either shown on the display panel on the battery's exterior or on the display screen located on the handlebars. By pushing the battery button, the system is activated and it will show you a percentage of the state of charge or a number of LEDs will illuminate to show how much capacity the battery has left.



Some battery will not have any LED lamp indicator, and the capacity should be checked from the display of the pedelec. For more information, please refer to the original operating manual provided by the battery's manufacturer and included with the bike.

- ❗ Check the battery's charge level and capacity before every trip. Only begin your ride if the battery's charge level is sufficient enough to assist you during the entire trip you wish to make. Always make sure you have enough capacity to get back home again in a safe and comfortable manner.
- ❗ When riding your pedelec in the winter, make note that the battery range becomes smaller because of the lower temperatures. You can increase the range by storing the battery in a warm room and only attaching it to the bike shortly before use.

7. Battery Safety

If you won't be using the battery for an extended period of time, you should store it in a dry and well-ventilated area.

When storing, never stack batteries on top of each other or place them close to each other. Ideally, you should place them in a room temperature from 10 – 23°C and leave them at a charge level from 50 – 75 %. If you don't use the battery for more than six months, it will need to be recharged.

⚠ WARNING : Don't ever ship a battery through the mail on your own! Batteries are considered dangerous goods. In certain conditions, the battery may overheat and catch fire.

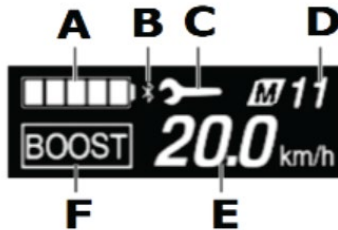
Batteries may only be dispatched by a trained member of staff. If you have a problem with your battery, consult a specialist retailer. A specialist retailer can have the battery picked up free of charge and in accordance with the dangerous goods regulations.

F. DISPLAY.

- ⓘ Display and operating element might differ from one to another. For further detail operation please refer to original manual provided by e-bike system and parts manufacturer.

1. Basic screen display

Here is the example of display type A. Displays will show the status of the power assisted bicycle, traveling data. The number of gears and the shifting mode are only displayed when using electronic gear shifting.



- A = indicates the remaining battery capacity
- B = Bluetooth connection indicator
- C = Maintenance indicator. Contact the purchasing dealer if this icon is displayed
- D = Gear position (electronic gear shifting only)
- F = Assist Level
 - Riding speed
 - Cycling distance
 - Total mileage
 - Cycling Range
 - Cycling time
 - Average Speed
 - Maximum Speed
 - Clock







Here is the example of display type B. Displays will show the status of the power assisted bicycle, traveling data.



1. Battery Indicator
2. Support assist level.
3. The light Symbol will be appear when the light turn on
4. Unit Speed.
5. Digital speed display.
6. Trip: Daily kilometers (TRIP) - Total kilometers (ODO) - Top speed (MAX) - Average speed (AVG) - Remaining distance (RANGE) – Energy Consumption (CALORIES) – Output power (POWER) – Travel time (TIME).

2. Battery level indicator

You can check the battery level on the cycle computer while riding.

Display	Battery level
	81 - 100%
	61 - 80%
	41 - 60%
	21 - 40%
	1 - 20%
	0%

3. Changing the assist mode display

The Display will show the current assist level. Here is the example of display type A assist level. Press Assist-Y or Assist-Z on the assist switch to switch assist modes.

Display	Detail s
HIGH	Assist high
NORM	Assist normal
ECO	Assist eco
OFF	Assist off
WALK	Walk assist

The display fields provide you with differ kinds of information. These are usually :

- Assist Level : You can make a selection using the two buttons. By pressing the buttons, the support level is adjusted by one level, either up or down.
- Battery charge level Here you can see how “full the tank” is. The motor support automatically turns itself off when the battery level is too low. Usually, the display turns itself off too.
- Speed
- Total kilometres
- Trip distance. Read the manufacturer’s instructions to find information on the control element’s functions, display options and your pedelec’s display.

For display type B to activate the assist, when the display is turned on, press + or – button for less then 5s to switch to the support level, the lowest level is 0, the highest level is 5. The pedelec will be active when start in level 1 and when at level 0 there is no support.

DISPLAY	DETAILS
0	No pedal assistance
1	30% of maximum power
2	45% of maximum power
3	60% of maximum power
4	80% of maximum power
5	100% of maximum power



4. Function

As soon as you select motor support and begin to pedal, the motor will start running. If you are not pedalling then the motor support stays off. At a speed of roughly 25 km/h, the motor support turns itself off. This is a legal requirement. If the pedelec’s motor were able to generate a speed higher than 25 km/h, it would no longer be classified as a bike that doesn’t need to be registered. The motor of the s-pedelec, which has a higher performance (350 or 500W), turns itself off at a speed of 45 km/h. In addition, in the so called e-bike mode, you can travel up to 20km/h without additional pedal support. The motor power depends on various factors :

- The power applied when pedalling : If you pedal with less power, you are provided with less support than when you your increase your pedalling power, i.e. when riding uphill. However, this increases the power consumption and decreases the range. This is not the case with hub motors. Each individual support level is assigned with a predetermined motor power level.

- Support mode : The higher the level of support, the more power the motor will provide. However, high motor performance means high power consumption. The lowest support mode provides the least support but also the longest range.

- The speed : The faster you travel, the stronger the support.

5. Range

Specified range information has been obtained under optimal conditions. Ranges achieved under everyday conditions will usually be shorter. Please consider this when planning your route. Various factors influence the range of your pedelec :

- Support level : The higher the applied support level, the lower the range.

- Style of riding : You can save energy by operating the gears appropriately. In lower gears, you apply less strength, which in turn results in a lower amount of support and thus allows your pedelec to save energy. With hub motors, the support level is not influenced by the gears and the power input of the cyclist.

- Ambient temperature : In colder temperatures, battery levels decrease quicker, thus affecting the potential range.

- Weather conditions and weight : In addition to the ambient temperature, wind conditions also affect the range. Headwind requires more physical effort.

- Technical condition of your pedelec : The air pressure in your tyres affects rolling resistance. If the tyre pressure is too low, the rolling resistance increases significantly, especially when cycling over a smooth surface such as asphalt. Dragging brakes and a poorly maintained chain also decrease the range of your pedelec.

- Charge status : The battery level informs you on the amount of electrical energy saved in the battery at that moment. The more energy, the higher the range.


- Battery capacity : The battery capacity enables a full battery to deliver a certain amount of electricity. The capacity of a battery decreases over time which means that the amount of energy saved in a full battery also decreases.

6. Recuperation

Some pedelecs can also generate energy through the motor and charge the battery, for example, while cycling downhill. The motor acts like a dynamo in this case and generates electricity whenever the bike brakes. In turn, this also recharges the battery. This allows you to considerably extend the possible range of the trip. Furthermore, on steep or long inclines, recuperation can be used as a comfortable “engine brake”.


Refer to the system operating instructions to gather information on how to use and operate the recuperation feature. A weak recuperation level will cause the brakes to not work as well. Therefore, it is best to ride on flatter inclines. Stronger recuperation levels allow the brakes to work significantly better.

This unobtrusively and conveniently optimises the range. Familiarise yourself with the braking action of the different levels in a quiet area where there is no traffic before using recuperation on public roads.

 **WARNING** : Make note that specifically at high recuperation levels, the onset of the braking action may be surprisingly strong. Therefore, you should practise cycling with recuperation in a quiet area without traffic before riding on public roads.


7. Driving without drive support


You can also use your pedelec without the drive support. If you have inserted the battery, you can use the functions of the operating unit just as you normally would. If you choose to cycle without a battery, make sure the battery connections stay clean and dry. It is best to cover them using appropriate protection. However, in this case, you will not be able to use the functions of the operating unit. If your pedelec is equipped with a dynamopowered lighting system, you can also cycle in the dark without a battery or with the operating unit switched off. If the lights are powered by the battery, you must carry a charged battery with you. Please talk to your specialist retailer before carrying this out.

 Please note that the slowing down effect created by recuperation is variable and on no account should replace using the brake system. Due to the way the system works, recuperation is not able to always keep your speed steady. Therefore, when going down hills, you must always be ready to use your brakes. It is usually shown on the display screen when the recuperation mode has been activated.

G. SERVICE AND MAINTENANCE

Your pedelec must be inspected on a regular basis. The first inspection should be performed at a specialist workshop after cycling roughly 200 km or otherwise after four to six weeks. During the first kilometres cycled, safety related screw connections may become loose; brake and gear cables can increase in length; the bearings can break and the spokes can readjust themselves. For these reason, this inspection is necessary.

 Correct use also entails inspections and maintenance work. Non-compliance will affect your warranty claims.

 Keep in mind that, in contrast to bikes without an electric drive, the electric actuator can result in higher levels of wear and tear on the brakes and tyres, and, in the case of a bottom bracket drive, also on the chain and sprocket.

- **i** Keep in mind that only certain components of the s-pedelec can be exchanged with components of another design. Otherwise, the validity of approval and insurance coverage will be nullified.

Components that are only allowed to be replaced with parts approved by a manufacturer

- Frame
- Fork
- Motor unit
- Battery
- Tyres
- Rims
- Brake system
- Front light
- Rear light
- Number plate holder
- Side stand
- Handlebars
- Stem

- **i** If a replacement is required, only use original replacement components.

- Open live parts should only be maintained and cleaned at a bike shop.
- Only replace the pedelec's components with original parts or parts that have been approved by the manufacturer. Otherwise your warranty claims may be rendered invalid.
- Remove the battery before cleaning your pedelec.
- Ensure that you do not touch and thus possibly connect contacts when cleaning or repairing the battery. You risk being hurt and the battery may suffer damage if the contacts are live.
- Cleaning with a high-pressure cleaner may damage the electrical system. High pressure levels can result in cleaning fluid finding its way into sealed components and cause damage

Protect the cables and electrical components from damage. If damage should have already occurred, refrain from using your pedelec until it has been inspected by a specialist retailer.

- **⚠** **WARNING** : Don't let children who are unattended ride the pedelec without first thoroughly instructing them on how to use it. Explain to children the dangers of using electrical devices.

- **i** If the motor is broken or have any upnormal condition, please consult to the dealer. Do not try to take of the motor or open the motor because it can be harm the motor.

H. TRANSPORTING THE PEDELEC

1. By car

Using a car, you can transport your pedelec like a bicycle on a suitable bicycle car rack.

- Make note that pedelecs are much heavier than typical bikes and, therefore, the car rack must be designed to carry its weight.
- Before transport, remove the battery and transport it separately.
- Make sure that the battery's contacts are safe from short circuiting.

2. By public transportation

The same regulations for transporting a bicycle must be applied here. These regulations can be found in the general information section in this manual. It is recommended to remove the battery before getting on the train and not to put it back on until you have gotten off.

3. Aircraft

Batteries must be transported as you would dangerous goods. The battery must be specially marked. Consult your airline for further information.

I. LIABILITY FOR MATERIAL DEFECTS AND LIFESPAN

The statutory two-year liability for material defects applies. The increased effect of force caused by the electric drive means that wearing parts, such as the brakes and tyres, are subject to greater wear and tear than with a normal bicycle. This is due to the greater weight of the vehicle and the higher average speed that is achieved through the propulsion. A bike's tendency to have more wear and tear is not a material defect and is, therefore, not covered by the guarantee. Typical components to which this applies are:

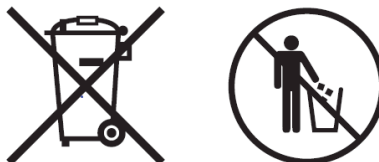
- Tyres
- Brake pads
- Drive components
- Spokes

The battery is subject to aging and is therefore also a wearable part. Please note that the battery gradually loses its capacity depending on its age and operating life. Take this into account when planning journeys and ensure that you switch to a new battery in good time. Replacement batteries can be purchased from your specialist retailer.

1. Batteries from pedelecs and e-bikes

Batteries belonging to pedelecs and e-bikes should be treated as hazardous and are therefore subject to compulsory special labelling. They have to be disposed of by specialist retailers or manufacturers.

Batteries are not meant to be thrown away at home. Broken or old batteries should be disposed of at a bike shop.



Anti - Tampering

Definition of tampering : To prevent unauthorized modification of EPAC's drive system to the extent possible, so as not to affect the technical requirements and specifications of its functional security.

Anti-tampering liability : Once the consumer or dealer tampers with any parts of the bicycle, any risks and liabilities arising from it, we shall not assume any risk stake.

User services and privacy policies

How you access and control your personal information

1. We will endeavor to take appropriate technical measures to ensure that you can access, update and correct your registration information or other personal information provided when using our services. When accessing, updating, correcting, and deleting the foregoing information, we may ask you for some control panel design to ensure user safety.

2. We take appropriate security measures to protect data from unauthorized access, modification, disclosure or destruction. These include an internal review of our data collection, storage and processing methods, as well as security measures (including appropriate encryption and physical security measures to prevent unauthorized access to our systems for storing personal data).

3. As a result of your own actions or force majeure, which may result in the disclosure, disclosure, or acquisition, use, transfer of content that may involve your privacy or what you believe to be private information, you are solely responsible for the adverse consequences, and we are not responsible for this.



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