



Available options - electric bike



HF Christiansen



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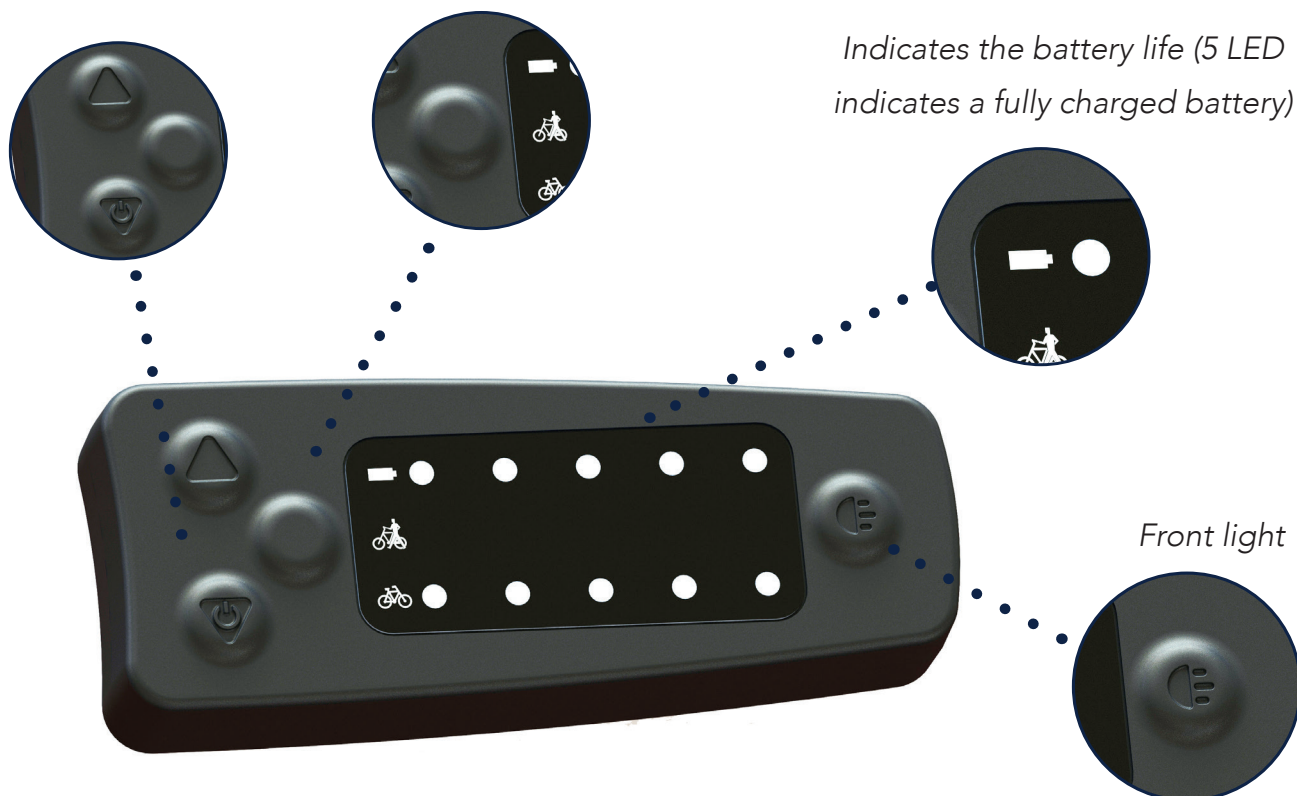
## Display - 5 LED

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Up-/down button.  
Down button is also  
the on/off button.

6 km "walk assist"

Indicates the battery life (5 LED  
indicates a fully charged battery)



Front light

The display is operable by 4 buttons from the left side of the handlebar.

Note that the indicator may fluctuate depending on driving whether you are driving uphill, accelerating or driving downhill.

Error codes is intergrated to the display and is displayed by flashing LED

NB! If the first LED in the battery indicator starts to flash, this indicates that the system has detected an error.

## Assist functions

Display has 2 different assist functions:

- Assist levels (1-5), choosable by using up/down buttons
- Walk assist, is selected by holding down the "6 km/h" button.

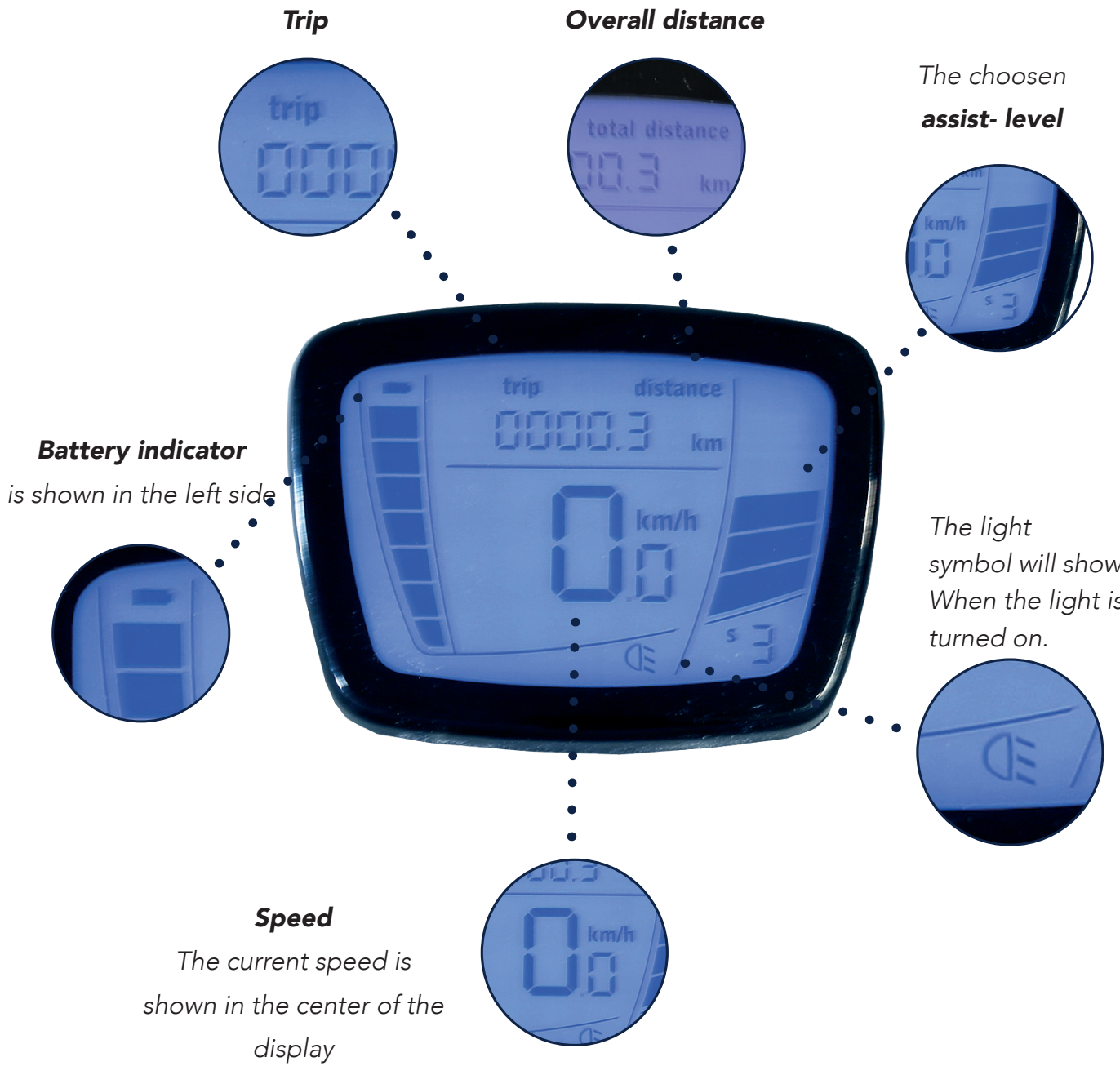
When using the walk-assist function, this allows you to drive up to 6 km/h without the use of the pedals and regardless of the assist level setting. This function is, for example, used on hills and other rough paths. **The walk-assist function is not available on bikes with center motor.**

## 5 assist level

- Level 1 - approx. 8,5 km/t
- Level 2 - approx. 13,5 km/t
- Level 3 - approx. 16,0 km/t
- Level 4 - approx. 21 km/t
- Level 5 - approx. 25 km/t

# Display - Center display

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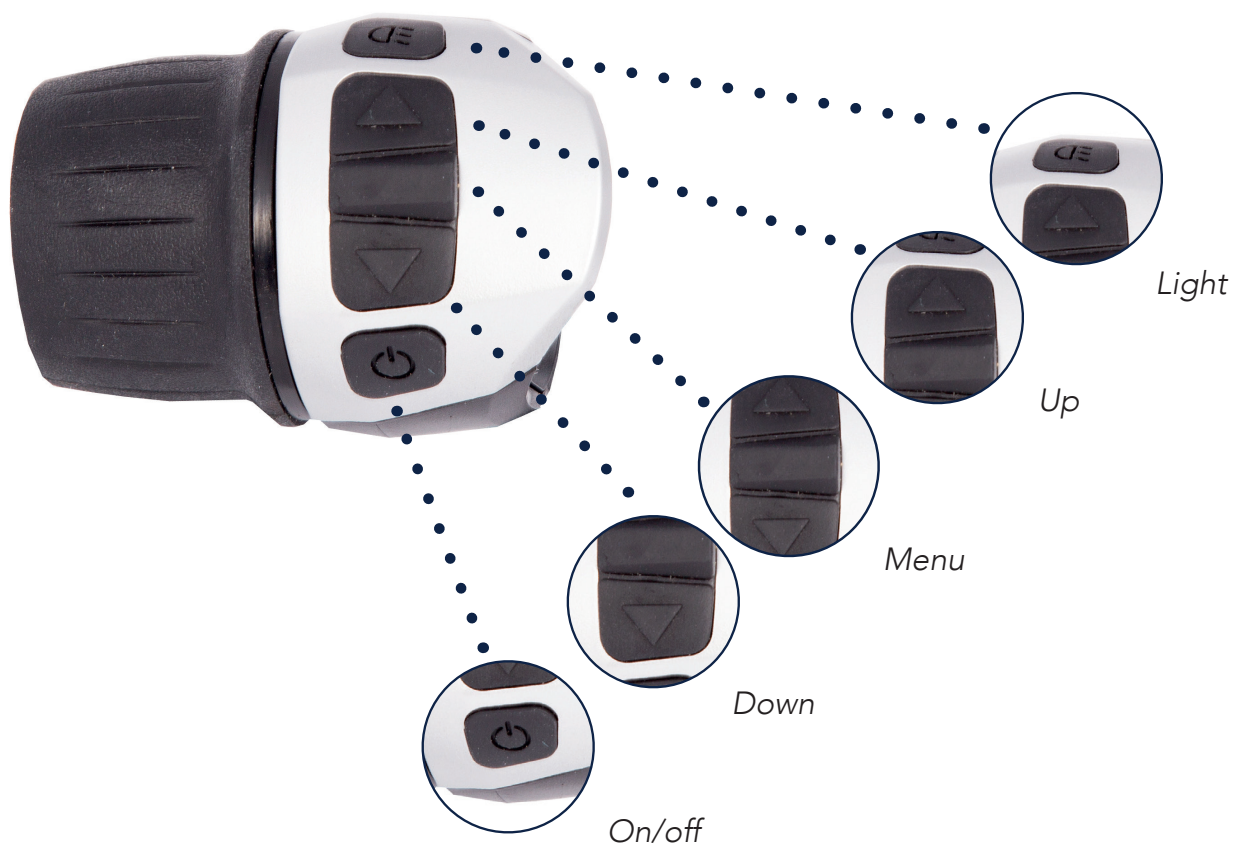


The display is operable by 4 buttons/throttle from the left side of the handlebar. Error codes are integrated to the display and are displayed by error codes. By pressing the menu button you can choose between "trip counter" and ODO meter.

## Throttle

By rotating the throttle, you can activate a so-called "boost effect" which provides quick assist without having to use the pre-assist levels. If the cycle is powered by the assist levels, the release of the throttle will fall back to its current assist level.

The throttle function is perfect for a quick response as driving in close traffic, where you want to respond quickly or overtake slow cyclists.



## Display - Connect+

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The display is operable by 3 buttons from the left side of the handlebar.

Error codes is intergrated to the display and is displayed by flashing LED

**NB!** If the first LED in the battery indicator starts to flash, this indicates that the system has detected an error.





## Assist functions

Display has 2 different assist functions:

- Assist levels (1-5), choosable by using up/down buttons
- Walk assist, is selected by holding down the "6 km/h" button.

When using the walk-assist function, this allows you to drive up to 6 km/h without the use of the pedals and regardless of the assist level setting. This function is, for example, used on hills and other rough paths. **The walk-assist function is not available on bikes with center motor.**

## 5 assist level

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## Extended features by mobil App

When the phone is connected by Bluetooth, it is possible to access more real time features as:

- Current speed
- Trip counter
- Driving mode (eco/speed/dist)
- Light
- Map
- Basic funktions (timer, battery status, assist level osv.)

Note that the phone can be used as a display to control the cycle and its functions.

# Display - Intergrated with throttle

<p><b>Display functions</b></p> <p>The display is operable by 5 buttons/throttle from the left side of the handlebar.</p> <p><b>Throttle</b></p> <p>Operates by rotating the inner part of the handle.</p>		<p><i>Light</i></p> <p><i>Up</i></p> <p><i>Menu</i></p> <p><i>Down</i></p> <p><i>On/off</i></p>
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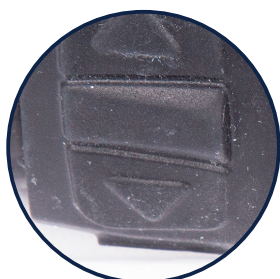
## Light

On/off button for light. When the light is used, the display screen will appear darker.



## Menu functions- TRIP - ODO

Press on the menu button to change between ODO and trip counter. To reset the trip counter, press the menu button for 2 seconds. ODO meter shows the total driven kilometers.





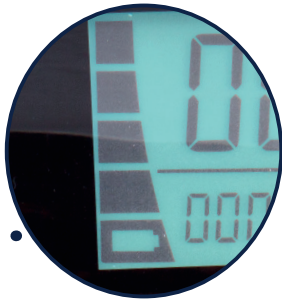
### **Assist level**

Shows the current chosen assist level.



### **Speed**

Current speed



### **Batteriiindicator**

Current status on the battery. The indicator flashes when the minimum level is reached. Be aware that the system can shut down if the battery level is below minimum.



### **On / off**

Hold the button to power or turn the system. Note! The system automatically turns off after approx. 5 min. without use.



### **Choice of assist level**

Arrow up - arrow down.

Level 4 - is the highest level of assist.

Level 1 - is the lowest level of assist.

Level 0 - (Only the bar with the bicycle lights up)  
The assist function is now turned off, but the throttle can still be used.

## Mounting/dismounting of battery - Downtube 1

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Turn the key to the right to mount the battery in the frame (downtube).



When the key is turned to the right, press the battery button that is highlighted on the photo to release the battery.




Slide the battery from the bottom up into the down tube. **Remember to hold the battery.**

Push the battery all the way into the downtube and lock the battery by turning the key to the left. You can only remove the key if the battery is properly mounted and locked.

**The safety lock must be released when removing the battery. The disassembly is done in a reverse order of the assembly**

## Battery spec - Downtube

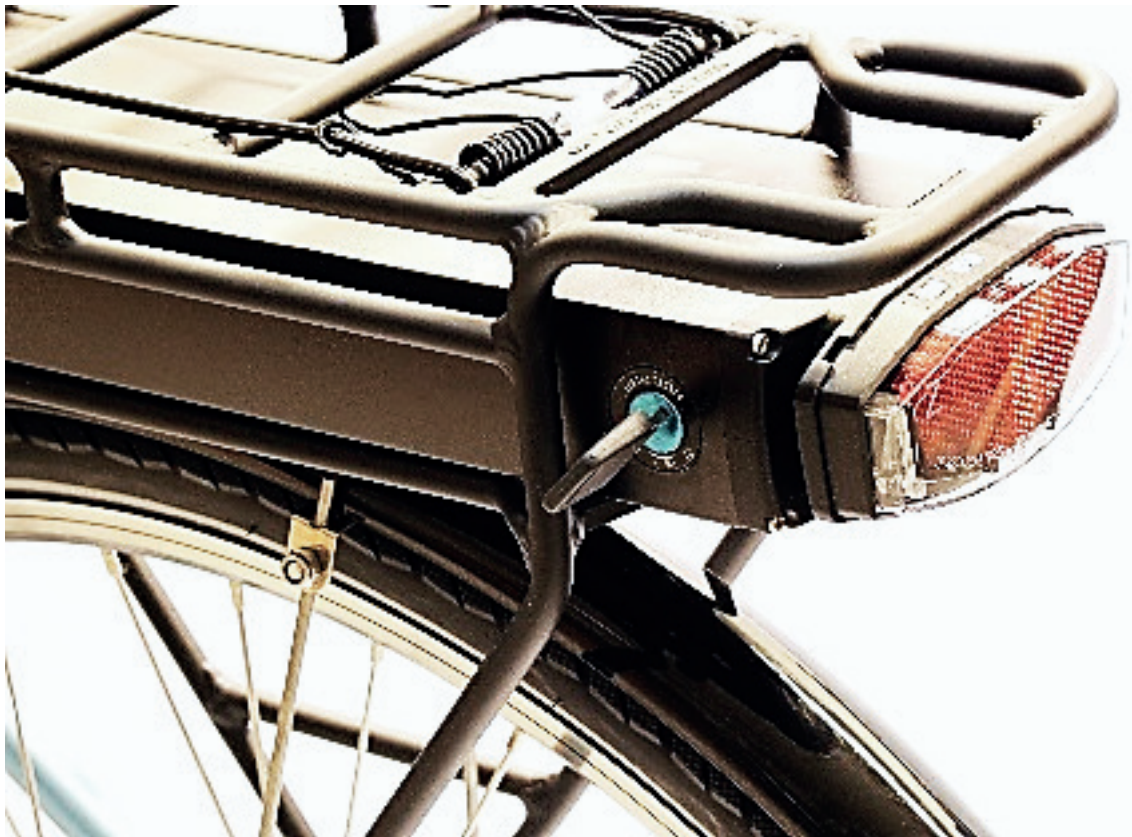
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<p><b>Depending on the battery type, the following applies:</b></p>	<p>10,4AH 36V Li-ION, 374 watt hour, Removeable, Weight: 2,441 kg</p>	<p>12,8AH 36V Li-ION, 460,8 hour, Removeable, Weight: 2,459 kg</p>
<p><b>Range:</b></p>	<p>45-100 km</p>	<p>60-100 km</p>
<p><b>Charger:</b></p>	<p>Swift mode, Splash proof Charging time; 4-5 hours</p>	
		

## Mounting/dismounting of battery - Carrier 6


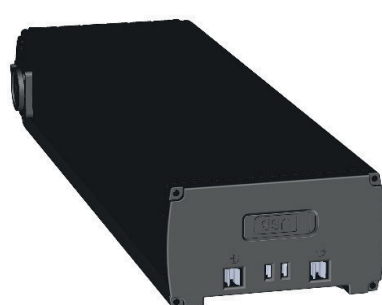
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- Battery is mounted under the carrier of the bike.
- Connect the battery by sliding the battery across the rail.
- Turn the key to the right, to lock the battery in and power on the system
- Press the key in and turn to left to power down the system.
- The key can now be removed.



## Battery - Carrier 6

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Standard batteries		
8,8AH 36V Li-ION, 316,8 watt hours, Removeable, Weight 2,8 kg	10,4 36V Li-ION, 374,4 watt hours, Removeable, Weight: 3,0 kg	
Range: Up to 30-50 km	Range: Up to 45-80 km	
XL batteries		
15,6AH 36V Li-ION, 561,6 watt hours, Removeable Weight: 3,9 kg		
Range: Up to 60-130 km		
 <p>Højde 50 mm</p> <p><i>Standard batteri</i></p>	 <p>Højde 62 mm</p> <p><i>XL batteri</i></p>	
Charger		
Swift mode, Splash proof		
Charging time		
4-5 hours		

## Mounting/dismounting of battery - Chaincase

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The battery is integrated to the chain case.

Assembling and disassembling is done by using the supplied keys.

Observed the angle shown by removing and installing the battery.

Insert the battery and lock it in the chain guard with the following key. Remove the key when using the bike. Note, the key can only be removed if the battery is correctly locked the chainguard. When the battery are inserted, the electrical system automatically on.





## Battery - Chaincase

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9,6AH 36V  
Li-ION,  
345 watt hours,  
removeable  
weight: 1,9 kg

Range:  
Up to 30-50 km



# Battery charging options - Downtube/Carrier 6

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Charging must be done indoors or in an open shed, when the charger is only splash proof. **There are two options for charging the battery:**

## 1

### **Charging the battery mounted on the bike**

The battery must be mounted in the bike.

- Plug the charger into the charging connector
- Set the network plug (100-240v) into the power outlet and switch on the charger.

**Red LED** lights when the battery is charging.

- Switch off the charger before removing the charging connector.

When the red LED turns green, the battery is charged.

After charging, plug the small rubber cover into the slot to protect against dirt.

## 2

### **Charging with the removed battery**

- Turn off the power and remove the battery.
- Connect the 4-pin connector from the charger to the battery charging points.
- Set network socket (100-240 v) into the power outlet and switch on the charger.

**Red LED** lights when it is charging.

- Switch off the charger before removing the charging connector.

When the red LED turns green, the battery is charged.

To keep the battery in good condition, we recommend that you charge your battery sometimes for a minimum of 24 hours after the green light appears. The reason being that this will balance out each cell, providing a healthy battery.

## Battery charging options - Chaincase

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Before the charging commences: the appropriate adapter mounted on the battery.

- Mount adapter on the battery and insert the charger plug.
- Insert the network plug (100-240V) in the wall socket and switch charger.  
Red LED lights when battery is charging.
- Switch off the charger before removing charging plug.  
When the red LED changes to Green, the battery is fully charged.



**Adapter mounted and charging plug installed.**

## Disposing of battery

Batteries contain substances that can be harmful to human health and the environment if not handled properly.

Batteries are marked with the crossed-out garbage. It symbolizes that wasted batteries must not be disposed of with normal household waste but must be collected separately.



It is important that you submit your used batteries to the collection systems established. In this way, you help to ensure that the batteries are recycled in accordance with the law and will not harm the environment.

All municipalities have established collection systems, where wasted portable batteries can be collected from households or free can either be submitted at recycling stations and other collection sites. Additional information is available from your local authorities.

## Warning

- Do not heat, short circuit, puncture or otherwise mistreat the battery.
- Do not separate or damage the battery.
- Do not throw the battery into fire.
- Do not immerse the battery in water or any other liquid.
- The battery can only be charged with the included charger.
- Never charge the battery at temperatures below 0° or above 45°.

# Guarantee

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Showing defects in material that existed at delivery or manufacture within two years after delivery to the buyer, the HF Christiansen or its designated workshop repair the defect free of charge repair costs, unless the error may be excluded from the guarantee according to:

- The bond two correct errors as described in the preceding section free of charge except:
- Error caused by external influence, including on the paint
- Error caused by spare parts that do not match the quality of original spare parts,
- Error which have arisen or made worse due to lack of maintenance and failure to comply with the inspection requirements of the delivered or poor work done by an unauthorized agent,
- Failure or damage that the buyer within a reasonable time has announced the HF Christiansen, or
- Failure or damage caused by the purchaser have been aware of, but the buyer within a reasonable time has chosen to remedy at HF Christiansen.
- The buyer has if repair is carried out within a reasonable time, not entitled to compensation proportionate reduction, to make the repeal or require replacement.
- Buyer deliver and collect on their own account the delivery of the Pro-Movec specified repair place within the country.
- The burden of proving that there is a fault in material or workmanship, the buyer. The same applies to prove that the fault existed on delivery
- In the first 6 months of delivery is supposed a perceived error, however, to have been present at the delivery.
- Repair costs related to errors caused by the purchaser did not deal with the purchased properly, including failing to carry out such maintenance as circumstances and the operating manual and other documents released to the buyer not later than when the delivery requires borne by the buyer.
- The same applies to repair costs as a result of natural wear and tear, damage caused by overloads, as well as damage caused by structural alterations of the delivered goods.

- The buyer's claim under this warranty must be submitted to the HF Christiansen within a reasonable time after an error or usual care should be observed, and by the end of the two-year warranty period, since the guarantee and HF Christiansen liability for defects in the opposite can no longer be relied on.
- HF Christiansen can only be held liable for losses caused by defects in the delivery, if the buyer proves that the loss is a foreseeable result of maladministration on the part of the HF Christiansen or anyone HF Christiansen responsible.
- HF Christiansen is not liable for indirect damages and consequential damages, unless the buyer can demonstrate that.
- HF Christiansen or anyone HF Christiansen responsible, has acted contrary to common decency
- HF Christiansen or anyone HF Christiansen responsible, has given the buyer misleading information HF Christiansen or anyone HF Christiansen responsible, did not add to deem correct
- HF Christiansen or anyone HF Christiansen responsible, has neglected to give the buyer information about a defect which HF Christiansen or anyone HF Christiansen responsible, knew or reasonably should know, it delivered misses properties that must be regarded as warranted, or lack the purchase is the conclusion is caused by the HF Christiansen or anyone HF Christiansen responsible, through negligence.
- It particularly highlighted the wear parts and the like on the product such as tires and tubes are not covered by the warranty, unless these parts have been exposed to normal wear as a direct result of a manufacturing defect, the buyer should not have been aware of.
- It is highlighted expressly that the batteries capacity and thus the range decreases with time and use intensity.

## Battery registration

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Register your battery via Nishikis website -

**[www.nishiki.se/min-nishiki/batteriregistrering](http://www.nishiki.se/min-nishiki/batteriregistrering)** and obtain 2-year capacity guarantee. In addition to the prevailing sale of goods 2-year guarantee / warranty provider Pro-Movec A/S 2-year capacity warranty on all batteries for electric bikes equipped with Pro-Movecs electrical system, purchased and used for private use.

The guarantee covers a guaranteed minimum capacity of 70% in 2 years from date of purchase.

To qualify for this 2-year capacity guarantee the battery must be registered via the Nishikis website. Registration must take place within 8 days from the date of purchase.

## Insurance

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An electric bike for insurance purposes as an ordinary bicycle, it is usually covered by a standard household insurance.

However, we recommend that you talk to your insurance agent about the technical aspects of e-bike.

## Frame number

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Electric bicycle is provided with a frame number. It is located under the crank.



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## E-Bike Service

In order to maintain and preserve electric bike's condition, we recommend an inspection two times a year, however, at least one a year.

Here are checked regularly, among other brakes, tires, steering and cables. Ordering servicing can be done from your dealer.

<i>Date &amp; company stamp</i>	<i>Date &amp; company stamp</i>
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