

User Manual - 5 LED Display



Contents

1.Features	2
1.1 Display	2
1.2 Display Features	2
1.3 Assist function	2
1.4 LED display function	3
1.5 Troubleshooting - error indicator	3
2. Battery and charger	4
2.1 Mounting and dismounting of the battery	4
2.2 Installation of charger	4
3. Use of battery charger	5
3.1 Description of the charger and charging process	5
3.2 Charging	6
3.3 Storage for the winter	8
3.4 Warning	8
3.5 Disposal of battery	8

1. Features

1.1 Display

Operation of the display takes place from left handle on the handlebar, where there are four function buttons.



1.2 Display Features

The battery indicator is integrated in the LED display on the handlebar. On the display you can see the approximate battery level.



Please note that the battery level may vary depending on whether you drive uphill or downhill.

The error indicator is also integrated in the display.

If the first light on the battery indicator on the display starts flashing when driving, an error has been detected in the electrical system. The number of flashes indicates the type of error. Read more on page 4 - Troubleshooting

1.3 Assist-function

The assist-function has 5 setting options. By pressing the up/ down button you may choose the appropriate assist level.

The Flick model also has a "walk assist" feature. By pressing the "6 km/h" button on the display, this feature allows you to drive up to 6 km per hour without activating the pedals – regard-less of the setting of the assistant level.

The motor will disconnect at a speed of approx. 20 km/h.

1.4 LED display function

There are 5 assist-levels.



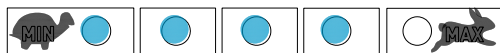
Level 1 – approx. 8.5 km/t



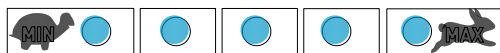
Level 2 – approx. 13.5 km/t



Level 3 – approx. 16.0 km/t



Level 4 – approx. 18.5 km/t



Level 5 – approx. 24.6 km/t



Up-/down buttons – down button is also on/off



6 km walk assist



Light

1.5 Troubleshooting - error indicator

The number of flashes indicates which errors are involved.

Number of flashes	Error	Solution
2	Motor error	If the motor has a plug, please check if the plug is in (at the front fork), otherwise please contact your dealer.
3	Controller error	Please contact your dealer.
4	Display error	Please contact your dealer.
5	Brake sensor error	Please contact your dealer.
8	Low battery voltage	Charge the battery

2. Battery and charger

2.1 Mounting and dismounting of the battery



Turn the key (ON/OFF) to open position and take the battery out of the rear rack.

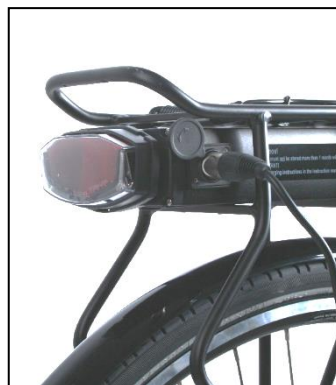
Mount the battery again by placing it in the rack and push it into position. Turn the key to locked position and lock the battery.

2.2 Installation of charger

Insert the plug of the battery charger into the battery.



You may charge the battery while mounted in the rack of the bike.

You may also choose to dismantle the battery and take it indoor for recharging



3. Use of battery charger

3.1 Description of the charger and charging process

<p>1. Charging of the battery mounted on the bicycle.</p> <ul style="list-style-type: none">• Turn the key to off position.• Put the plug of the charger into the socket of the battery.• Put the mains plug (230v) into the power socket and switch on the charger.	
<p>2. Charging disconnected battery</p> <ul style="list-style-type: none">• Put the plug of the charger into the socket of the battery.• Put the mains plug (230v) into the power socket and switch on the charger.	
<p>3.</p>  <p>Charger diode</p> <p>Power diode</p> <p>Charger Plug</p> <p>Power Plug</p>	

- Power diode is **red**, as long as charging takes place.
- When the diode changes to **green**, charging is complete and the battery is ready.
- **Note** After charging, we recommend that the battery must be left plugged in for 24 hours, in order to equilibrate the cells in the battery.

3.2 Charging

The electric bike uses maintenance-free Panasonic Li-ION batteries. Please note that the battery can be dismantled.

The battery is delivered with a capacity of approx. 40-60% charging from the factory. Before commissioning it is necessary to charge the battery to full capacity with the supplied charger (**Green** diode is on).

In order to achieve maximum battery life and range of the e-bike we recommend that charging takes place in a heated room. By temperatures below 20°C prolonged charging time must be expected, with the result that charging of the battery to full capacity cannot take place, which again leads to reduced driving range. Please note that the capacity of the battery will decrease when temperatures fall below 20°C.

Optimum battery charging conditions are at 20°C. If the battery is exposed to direct sunlight, the battery life deteriorates considerably.

When the battery is taken indoors for charging, condensation may occur inside the battery as well as on the outside. Therefore, please do not start charging until the condensation has disappeared. The battery contains a printed circuit board that controls each battery cell. If charging takes place while there is still some condensation in the battery, this printed circuit board may be damaged.

Memory effect does not occur in Li-ION batteries. It is thus unnecessary to discharge the battery before starting a recharge.

Charging of the Li-ION battery at many frequent intervals may prolong the battery life. However, please note that once charging of the battery has

been started you should not discontinue the process as this may have a negative influence on the battery life.

Note

Rechargeable batteries must always be kept in dry conditions and dismantled from any equipment.

Do not pull the wires when dismantling the charger from the battery. Grab hold of the plug and pull it carefully out of the battery.

Never leave the battery in the charger when the charger is off.

Never leave your battery in your e-bike for a longer period of time.

Please note that the capacity of the battery will weaken over time and at lower temperatures. The more you use your e-bike the more the capacity will decrease thereby affecting the range. Over time the reduced battery performance will also be noticeable when driving in a hilly countryside. The battery life will normally allow charging/discharging up to 600 times.

Please also note that periods with low temperatures will influence the capacity and thus the performance of the battery negatively. This will change when the temperature increases to approx. 20°C.

Other parameters of major importance for the performance/ range are user weight, driving manners, terrain, surface and tire pressure. The user himself/herself may also influence the performance/range depending on how much pedal power is used.

It costs only little to have the charger connected all the time, as the charger will switch to standby when the battery is charged to full capacity. However, the charger should not be connected for more than max. one week. The battery should then be removed from the charger and charging to full capacity should take place once a month (full charge = green diode on charger is on).

3.3 Storage for the winter

If you put away your e-bike for a longer period (more than one month), it will be sufficient to charge the battery once a month.

Before putting the battery away for storage you should make sure that it is fully charged, as the battery will be damaged by being left totally or partly discharged for a longer period.

3.4 Warning

- Do not heat, short, puncture or in any other way damage the battery.
- Do not divide or destroy the battery.
- Do not throw the battery into open fire.
- Do not lower the battery into water or any other liquid.
- When charging the battery only use the enclosed battery charger.
- Do not charge the battery at temperature below 0°C or above 45°C.
- Do not cover the battery charger.

3.5 Disposal of battery

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

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



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 cities have established collection systems, where waste portable batteries 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.