

-LOVELEC+



INSTRUCTIONS FOR USE

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## ORIGINAL INSTRUCTIONS FOR USE

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### Electric bicycles LOVELEC

+420 724 534 789

info@lovelec.cz

www.lovelec.cz

### Manufacturer

KOEXIMPO, spol. s r.o.

Lípová 1986

737 01 Český Těšín

The Czech Republic

VAT Number: CZ18055826

+420 558 711 908

info@koeximpo.cz

www.koeximpo.cz

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The manufacturer reserves the right to change.

We are not responsible for mistakes or typographical errors.

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Dear customer,

Congratulations for purchasing LOVELEC e-bike!

We hope, that you will be satisfied with your purchase and that it will serve you many, many years.

We care about your satisfaction and longevity of our e-bike usage, so please read through these instructions carefully and you will learn how your e-bike functions and how to take care of it. This will allow you to eliminate problems and possible damage to your e-bike due to incorrect usage.

We wish you many fulfilling moments in the saddle of your electric bike LOVELEC and countless kilometres ahead!

Your LOVELEC team

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## ATTACHMENT for the individual type:

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- electric bike schematic and description,
- description of the rechargable battery (insertion and removal, LED charge indications),
- description and functions of the display and the control panel,
- declaration of conformity.

The story of the LOVELEC brand began in 2006, when a passionate cyclist, a fan of adrenaline experiences and one of the ex-owners of the family company KOEXIMPO, spol. s r.o. Stanislav Glac was enthusiastic about the motorcycles. At that time, after a knee surgery, Stanislav could not devote himself to his hobby – cycling and began looking for the other options. The ideal alternative for him within the rehabilitation was riding an e-bike. While in the West the market for the e-bikes developed very quickly, in the Czech Republic the e-bikes were still almost unavailable. That's when Stanislav realized that he wants to be there when people in the Czech Republic will be able to ride further, higher, faster or with less effort than on a regular bike, thanks to the electric drive (but with the constant pedalling). With the great enthusiasm he began a long and thorny journey to achieve one of his dreams. Thanks to his diligence and perseverance, the KOEXIMPO company started trading the e-bikes in the year 2008 and in the year 2010 a new Czech brand of the e-bikes was established – LOVELEC.

This is how Stanislav laid the solid foundations on which his sons have been building for 2020 (under the constant supervision of their father).

The name LOVELEC was created by combining two English words: LOVE and ELECTRIC, which in free translation means "**love of electric ride**". As LOVELEC operates in many European markets, the name is clear and universal for everyone.

The –LOVELEC + logo symbolizes the battery, which is an essential part of every e-bike.

The philosophy of the LOVELEC brand is simple – **we want to give people the joy of riding an e-bike**. To enjoy riding an e-bike and the joy to last for as long as possible, we apply our golden rule – **the uncompromised quality at a reasonable price**.

We use the components from the top world manufacturers on our e-bikes. We cooperate with the development with the world's best experts in the industry. We test each model carefully before it is placed on the market (not only in the laboratory conditions, but also in the most demanding terrains).

## INTRODUCTION

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Riding an electric bike is good for your health – it has a positive influence on the cardiovascular and musculoskeletal system, decreases the danger of the diabetes and high blood pressure. It also improves human balance, coordination, movement, strength and endurance, lowers the stress hormones and supports well-being of our mind.

By riding an e-bike you also help protect the environment by lowering your carbon footprint, as an e-bike does not emit fumes or CO<sub>2</sub> to our atmosphere.

Please pay attention to your health and safety, but also pay attention to the health and safety of the other road users by wearing a helmet and follow the rules of the road.

Every LOVELEC electric bike (which essential part consist of the rechargeable battery) is delivered with the accessories below:

- **charger** (EN, CE, 42 V, 2 A, approximate time of charging is 4–6 hours),
- **keys** to the battery case lock (2 pieces),
- **instructions for use** involving the **warranty card**.

Please check if you are in possession of all of the accessories above. If not, please contact the dealer.

These instructions are universal for all of the LOVELEC e-bikes. The essential part of them is the attachment for the individual type which consist of the e-bike schematic and description, description of the rechargeable battery (insertion and removal, LED charge indications), description and functions of the display and the control panel and declaration of conformity.

These instructions include basic information regarding LOVELEC e-bikes, its usage and maintenance. Please contact your dealer for further information if you have any other questions.

Please contact your dealer in case of loss of the instructions, which include also a warranty card.

The instructions are also available in an electronic format on demand (please email us at [info@lovelec.cz](mailto:info@lovelec.cz)).

## IMPORTANT INFORMATION

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LOVELEC e-bikes belong to the *PEDELEC* category (*Pedal Electric Cycle*), which you can describe as a bicycle driven by electric drive by usage of the pedals. The schematic with the description of the purchased LOVELEC e-bike is to be found in the attachment to these instructions (at the end).

LOVELEC e-bikes meet every requirements of the applicable legal standards for the bicycles with the auxiliary electric drive *EPAC* (*Electronically Power Assisted Cycles*). They are equipped with the auxiliary electric drive with the maximal permanent performance 0,25 kW which can cause the sound intensity level of < 55 dB. The electric performance is interrupted if the cyclist stops pedalling or if the e-bike exceeds the 25 km/h speed limit. The motor is charged from the Lithium-Ion rechargeable battery of the total voltage of 36 V.

LOVELEC e-bikes are designed for the private and commercial use.

Please read the whole instructions carefully to become familiar with the usage of the e-bike before the first use.

- Do not lend the e-bike to those, who are not accustomed with its usage. Mishandling the e-bike might lead to the invalidation of the warranty.
- You can achieve much higher speed than on an usual bike, therefore please ride it carefully, so you have it under control in any circumstances.
- Do not drink alcohol before riding. Even small amount causes slower reactions and decreases the ability to control the e-bike and is illegal.
- The electromotor assistance can be easily adapted by the control panel (see attachment). By disabling the assistance (or after depleting the battery) you can use your e-bike as an usual bicycle – it does not put any resistance and it is fully functional.
- Please contact your dealer in case of any strange behaviour, failure or breakdown of the e-bike or its components.
- Please contact your dealer in case of unclearness regarding the usage, maintenance and functions of the e-bike.

## BEFORE THE FIRST RIDE

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Please familiarize yourself with the basic information regarding the assembling of the e-bike if you do not have any experience regarding this or you not sure how to properly use the e-bike.

- Mount the **pedals**. Pedals are marked as „R“ (right) and „L“ (left). Left pedal has the opposite (left) screw thread. After installing the pedals make sure, that they are sufficiently tightened.
- Insert the **rechargeable battery** into the case/frame/on frame of the e-bike (depending on the individual model – see attachment). The battery is secured by the lock. Keys to that lock are unique to every single e-bike, therefore the battery is protected from stealing.
- Every e-bike is equipped by unique pair of the **keys to the battery lock**. Keys serve to locking and unlocking the battery or to pull out the battery from its case (depending on the individual model – see attachment). For safety reasons please keep one key everywhere with you and the other/s to be kept in a safe place in case of the loss or damage to the keys. Do not ride the e-bike with the keys inside the lock – it can cause harm, theft or loss.
- Check the **correct wheel mounting** to the frame and to the fork. In case of the incorrect installation it can cause harm.
- Please be aware of the **correct tire inflation** – optimal pressure value is stated on the tires. Incorrect tire inflation can cause damage of the whole e-bike which can lead to sufficient harm being caused. It also lowers the e-bike range and decrease the adhesion of the wheels to the ground.
- Leave the **shift adjustment** to the professional bike service.
- Leave the **brakes adjustment** to the professional bike service.
- Please secure the pistons in the brake caliper by the plastic insertion if you are unmounting the wheel from the e-bike with the **hydraulic brakes**, which prevents the unwanted aeration (pulling the brakes while missing the wheels).
- **Damaged wheel rim** replace with the new one as soon as possible. The rims can be a part of the brake system and can cause harm if damaged.



- Adjust the position of the saddle by pulling the seatpost up or down, so the leg on the pedal in the lowest position is slightly bent and can reach the ground if you are stopping. Thoroughly secure the seatpost clamp in the seatpost. Do not pull the seatpost higher than indicated on in – it can cause saddle release, frame damage or rider injury.
- You can adjust the suspended fork, if equipped, by the regulator on the fork crown. By moving the regulator in direction of „+“ you increase the rigidity of the fork, by moving it in direction of „-“ you decrease it. You can fully block the fork if it is equipped with the lock. Air forks allow to customize its rigidity by setting the air pressure in the pressure chamber by the help of the special air fork pump. Please keep your fork gliders clean. During post-season service, coat the rubber dusters with silicone oil (prevention of swelling).
- Please use the front and the back lights while riding in the night or under impaired visibility. Reflectors and the other safety features keep clean and uncovered.

## **OPERATING THE E-BIKE – see attachment.**

- Take in your consideration, that the e-bike is heavier than an usual bike.
- During the manipulation with the e-bike make sure, that the electric system is turned off, so you won't cause an uncontrolled movement.
- Please beware damaging the cables during the manipulation with the e-bike.
- Avoid the overloading of the electric motor (repeated ride through a long and steep hill). When overload, the motor can overheat. After overheating please wait for it to cool down before further use.
- The e-bike can be used even during a moderate rain, but avoid leaving it in the open spaces during heavy rain, snow or in a thick fog.
- Keep in mind locking the battery when parking the e-bike outside (if it is possible). Secure the e-bike using a suitable lock for bicycles (not included).

## E-BIKE RANGE

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The e-bike range per one charge depends on many factors and cannot be determined specifically. The main parameter influencing the e-bike range is the capacity of the rechargeable battery (higher capacity = greater range).

- The one-time charge range is influenced by the terrain surface, the weather conditions, the rider weight, the inflation of the tires, the economy of the gear shifting and the rate of the motor utilization through the drive etc.
- Repeated braking and starting, ride against the wind and long steep hill ride have a negative influence on the e-bike range.
- The e-bike's ideal range is to be achieved by the style of the ride and the gear shifting in the moderate weather conditions (temperature above 10 °C). Usage in lower temperatures can decrease the e-bike range.

## THE FIRST RIDE

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We recommend to execute the first ride in the place with the minimal operation and in sufficient space if you are not familiar with the usage of the e-bike.

- Set the „1”/“LOW” level of the assistance (based on the individual model – see attachment).
- Move off carefully – as on an usual bicycle. We recommend to move off on the first derailleur gear (the biggest cog).
- You will acknowledge the assistance of the drive in the moment. Try ride it, turn it and brake it. As you will stop pedalling or start braking, the motor will disable itself. Repeat this several times, until you become familiar with the behaviour of your e-bike.
- Increase the motor assistance gradually.
- Slow down or lower the motor assistance during turns. The pedalling through the sharp turn on the higher assistance level can lead to a possible accident.

## THE BATTERY MAINTENANCE

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The Lithium-Ion (Li-Ion) rechargeable battery is included as the essential part of the e-bike. Its serial number, to be found on the label, is stated in the warranty card. This type of the rechargeable battery is outstanding thanks to its longevity, capacity and mass. The Li-Ion batteries do not have a memory, therefore they do not have to be formatted and you can charge it anytime.

For charging the battery use ONLY the charger delivered with the e-bike. The usage of a charger other than the original can cause damage and invalidate the warranty.

- The first charging time is 6–8 hours. The following charge to the full capacity will take approximately 4–6 hours.
- The charger connector is to be put into the battery, afterwards connect the charger to a 230 V network secured with at least 5 A. Disconnection should be done in the opposite direction.
- The charge status is indicated by the LED light on the charger. The red light indicates charging, green light indicates fully charged.
- The battery is equipped with the automatic charge control system, after a full charge it will turn itself off automatically.
- The battery can be charged inside the carrier/in the frame/on the frame (depending on the individual model – see attachment) or you can charge it independently.
- Do not charge the battery near the flammable materials or heat sources.
- During charging do not expose to sunlight and choose a dry environment with a good air circulation (do not cover the charger or the battery).
- Make sure, that during charging there are no signs of the metallic components that can cause electric shortage.
- The charger and the battery may heat up, it is not considered as a failure.
- Do not open, disassemble or modify the charger.

You can extend the longevity of the rechargeable battery by correct maintenance (usage, charging, storage).

- The rechargeable battery capacity lowers gradually with age and the number of charges.
  - The charge status is indicated by the LED lights (see attachment).
  - The ideal storage conditions: dry place, the temperature 10–15 °C, maximum 70% air humidity.
  - Remove the battery from the e-bike and store it fully charged (see above) if you are not using the e-bike for the long period of time.
  - The rechargeable battery is gradually discharging itself when stored, therefore it should be charged once in 2 months.
  - The charge status should not drop under 20 % (red light indication). We recommend to charge the battery regularly.
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- Keep the battery clean and dry at all times.
  - Protect the battery from humidity, low temperatures and heat sources.
  - Do not open, disassemble or modify the battery.
  - Protect the battery from shocks and bumps.
  - Do not store the battery near sources of heat or open fire.
  - Do not exhibit the battery to the influence of a strong magnetic field.
  - Remove the battery from the carrier/frame (depending on individual model – see attachment) if it is deformed, smells or has manifested any other unusual behaviour – contact the dealer.
  - **Do not keep the rechargeable battery uncharged, it can cause damage. Avoiding this rule leads to invalidation of the warranty.**
  - Do not use the battery to charge other devices.
  - Do not leave the battery plugged into the powered charger for longer periods of time (more than 2 days).
  - Do not put any metallic components into the battery connector – it can cause an electrical shortage.

## MAINTENANCE AND STORAGE

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Keep the mechanical components of the e-bike clean and adequately lubricated.

Do not use high-pressure cleaner (VAP) to clean the e-bike. Use a wet cloth moistened with the detergent solution to keep the e-bike clean and dry it with a dry cloth afterwards. Only use detergents intended for cleaning the bicycles and their components.

Only use oils suitable for bicycle lubrication. Apply an adequate amount regularly on the chain, derailleur, the gear and the brake cables.

Regularly monitor the overall functionality of the e-bike (brakes functionality, signs of damage or component wear).

In case of storage longer than 1 month, please remove the rechagable battery and store it in optimal conditions (see chapter „Battery maintenance“).

## THE WARRANTY INSPECTION

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Proceed with the warranty inspection after riding through 150–200 km or after 3 months of purchasing the e-bike. The warranty inspection can be secured by any bicycle service.

The warranty inspection includes control and adjustment of the mechanical components of the electric bike (such as tightening screw connections, brakes adjustment, rim centring etc.) The electric part of the warranty inspections includes correct motor and rechargeable battery control. Please contact your dealer in case of the failure within the electric parts of the e-bike (battery, motor, display, control panel, lights, cables).

The warranty inspection must be stated on the warranty card of the e-bike including the date, sign and the stamp of the bicycle service, which performed it.

The warranty inspection is necessary for validation of the warranty. Non-compliance of the warranty inspection leads to the invalidation of the warranty.

## THE TERMS OF THE WARRANTY

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The 24 months warranty is applied to this e-bike from the day of the purchase by the first owner.

The aluminium frame (6061) is secured by the lifelong warranty for the first e-bike owner.

This e-bike is constructed and produced for usage under usual conditions (appropriate weather conditions) on public communications. Any other usage of the e-bike (in extreme terrain, heavy rain or severe frost etc.) leads to invalidation of the warranty.

Incorrect usage of the e-bike and its components, not following the instructions for use, maintenance and storage of the e-bike and its components included in these Instructions for use can lead to invalidation of the warranty.

Do not interfere with the electric bike electro-installation. Any interference into the electro-installation leads to invalidation of the warranty and may cause irreversible harm to the e-bike.

Unprofessional modifications or repairs outside the standard complaints procedure lead to invalidation of the warranty.

- The warranty inspection is essential to keeping the warranty valid. Omission of it leads to invalidation of the warranty (see the chapter „The warranty inspection“).
- The following components are subject to wear and are not covered by the warranty: stickers, tires, inner tubes, cables, saddle, chain, brake shoes and brake pads, the cassette, ropes, bowdens, fuse, stand, grips.
- The rechargeable battery's warranty applies to its function. The capacity of the battery gradually lowers by age and charge counts. The lowering capacity of the rechargeable battery cannot be a subject of a complaint, as it is considered as normal use.
- The warranty does not include failure of the electric motor caused by incorrect usage or overloading.

- The complaints should be exercised by the dealer. The electric bike should be properly cleaned before the complaint.
- The warranty repairs are free of charge and are managed by the professional service. Hand over the valid warranty card filled by the dealer or the proof of the purchase with the date of purchase for applying the warranty.
- A fully equipped e-bike must be handed over for the complaint purpose (including accessories – the rechargeable battery, charger and the keys).

The modifications of the elctro-installation of the e-bike lead to invalidation of the warranty (such as chipping = unblocking the speed moderation, installing the throttle). These modifications also lead to loss of the eligibility of the movement on the public roads.

## LIABILITY DISCLAIMER

Company KOEXIMPO, spol. s r.o. does not take responsibility for any harm, which may be caused to the owner, including the loss of the time, income, difficulty or complications which are results of:

- e-bike misuse,
- not following the instructions and safety measures included in these Instructions for use,
- not following the traffic regulations and legal norms that are valid in the country of usage,
- driving failure,
- not following the usage for which this e-bike is determined,
- secondary origin causes.

The e-bike usage includes common risks and dangers and the owner agrees to take-over them in their full extent, regardless of their nature. The owner is responsible for any harm that can be caused to him or to the others related with the e-bike usage.

The owner is not entitled for any compensation from company KOEXIMPO, spol. s r.o. in case of loss, theft, damage or harm of any kind, which can be related to the e-bike usage.

## RECYCLING OF THE ELECTRIC EQUIPMENT, BATTERIES AND RECHARGABLE BATTERIES

We focus on the environmentally friendly behaviour. Every e-bike is considered as an electronic device with the rechargable battery as its essential part, therefore we care about the environmental impact.

The symbols illustrated on the right side, which can be stated directly on the device, its packaging or inside of the Instructions for use or the warranty card, inform the consumer, that the stated electro device, battery or rechargable battery is not to be placed into the municipal waste. The incorrect liquidation of such a devices may lead to a penalty of the consumer in the accordance with the law



You can submit the expired electro devices, batteries or rechargable batteries by the dealer from whom you purchased the goods, without any additional fees.

## WHY RECYCLE?

We produce more than 50 million tons of the electro waste (electro devices, batteries, rechargable batteries) in the whole world yearly. The majority of it can be recycled (used for further production). Instead, it ends up in municipal waste landfill or even in nature. Some of the substances contained in those devices, specifically mercury (Hg), lead (Pb) and cadmium (Cd), are particularly dangerous for human health and the environment. The devices that contain those elements are marked by the symbol of the individual chemical element. By recycling the electro devices, batteries and rechargable batteries we can lower the environmental impact and protect the natural resources.



# WARRANTY CARD

## MODEL:

**LOVELEC e-bike** ..... \*

FRAME SERIAL NUMBER: ..... \*

RECHARGABLE BATTERY ..... \*

SERIAL NUMBER: ..... \*

OWNER NAME AND SURNAME: ..... \*

DATE OF THE PURCHASE: ..... \*

STAMP AND THE SIGNATURE

OF THE DEALER: ..... \*

## THE WARRANTY INSPECTION

**date:** ..... \*\*

**stamp and signature:** ..... \*\*

The warranty inspection is essential to keep the warranty valid. Proceed with the warranty inspection after driving through 150–200 km or after 3 months of purchasing the e-bike. Non-compliance of the warranty inspection leads to the loss of the warranty.

- \* to be filled by the dealer – mandatory
- \*\* to be filled by the bike service that provided the warranty inspection – mandatory

SERVICE RECORDS

DESCRIPTION: .....  
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DATE: .....

STAMP AND SIGNATURE

DESCRIPTION: .....  
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DATE: .....

STAMP AND SIGNATURE

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