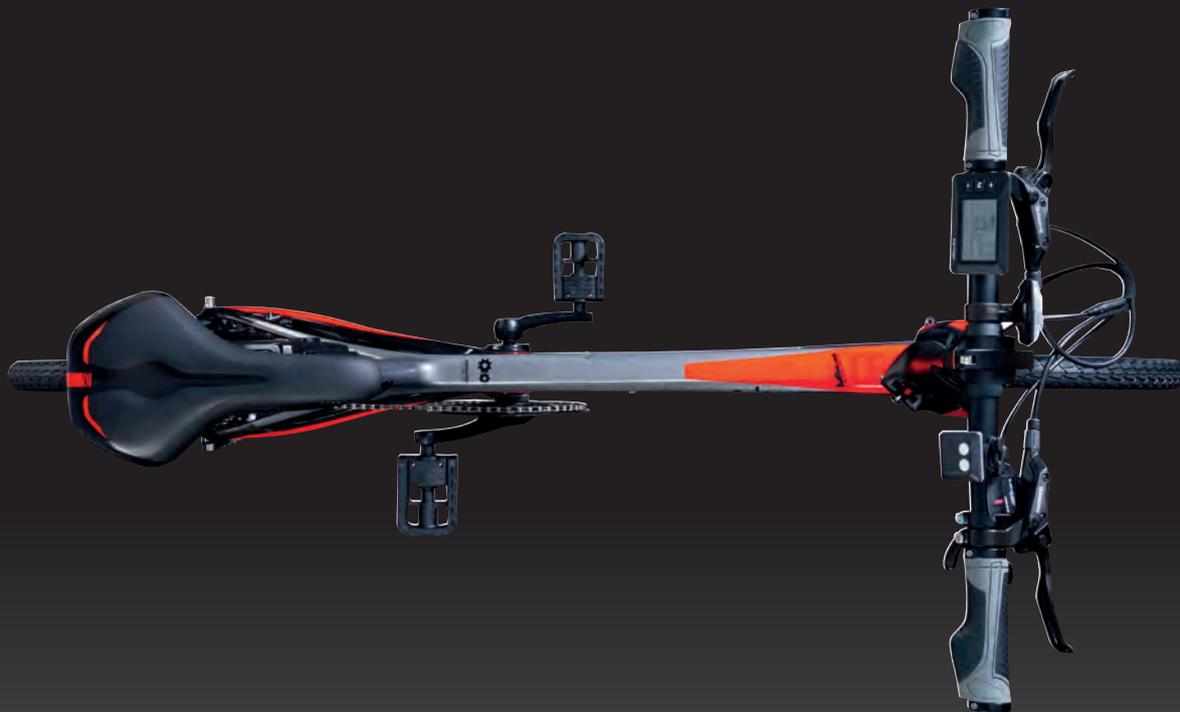


Manual:
PASION and PASIONE electric bikes.

e.broh®



MANEBROH003EN

PASIONE



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1. SAFETY AND ANNOTIONS

Bicycles with electric force, are fitted with pedals and an auxiliary electric motor, which can not propel exclusively.

Compared with bicycles, Ebikes include a motor, controls, and battery charger. When circulating, electric power saving helps circulate easily work.

Components included:

Electric bicycle	1 unid.
Battery	1 unid.
Charger	1 unid.
Pedal	2 unid.

1.1 Safety instructions.

- Do not use the electric bicycle without having read this manual carefully and having understood the operation and not leaving people who can handle the ebike.
- Prepare before riding: wear a helmet, gloves and other protective clothing to protect yourself in the event of an accident.
- Circulation environmental conditions: the normal running distance can be between 40 and 80km (depending on the capacity of the battery) with a temperature of -10 to 40C, without air and in the flat, without frequent exits and braking.
- Maximum capacity: the maximum capacity of the bike is 100Kg along with a maximum load of 25 Kg. In the rack. If an accident occurs when the load is greater than 125Kg., The company does not take responsibility.
- In case of frequent braking, starts, slopes, front air, muddy roads, overload and others, the battery will consume a large amount of energy that affects the mileage, so we recommend that you avoid the above factors when driving.
- If you store the battery disconnected for a long time, be sure to charge it sufficiently. You will need an additional charge when your storage is more than one month.
- Be sure to pay attention: the electric bicycle can not wade for a long time because the water enters the controls and the motor can cause a short circuit that damages the electrical device.
- Disassembly or alteration without authorization is prohibited, the company is not responsible for any resulting damage.
- The discarded battery can not be abandoned anywhere, it can cause environmental contamination. Go to your recycling at an authorized center.

1.2 Annotations

The electric bicycle is designed based on the original bicycle in combination with market demand and with special functions for use as a means of transport.

At the time of purchase, please choose and buy a model adapted to your needs. Users must have learned the technique of riding a bicycle before using it on public roads and roads. For your correct use and safety, please pay attention to the following details.

- In the process of use, pay attention to check the condition of the motor mountings and the damper fork, and if you notice them loose, you must tighten them correctly.
- When starting an acceleration or a slope, pedal as far as you can to help reduce battery drain and lengthen assisted mileage.
- On rainy days, please pay special attention to: when the water depth is greater than the height of the center of the wheel, it is likely that the engine will get wet and result in failure.
- The user must use the charger specified by the manufacturer to charge the battery. When charging, place the battery and charger carefully.
- It is forbidden for other elements to cover the battery case and charger to prevent heat. They should be kept in a well-ventilated environment.
- Please maintain adequate pressure on the wheels, to avoid: resistance when driving, and damage the tire and deform the tire.
- The drivers of the bikes must abide by the traffic regulations, the speed of traffic must be controlled below 25km / h. The items you load should not exceed 25Kg.
- When driving at high speed or performing hard braking on a downhill, do not use the front brakes which can move your center of gravity and cause a serious accident.

2. BASIC STRUCTURE AND NAMES

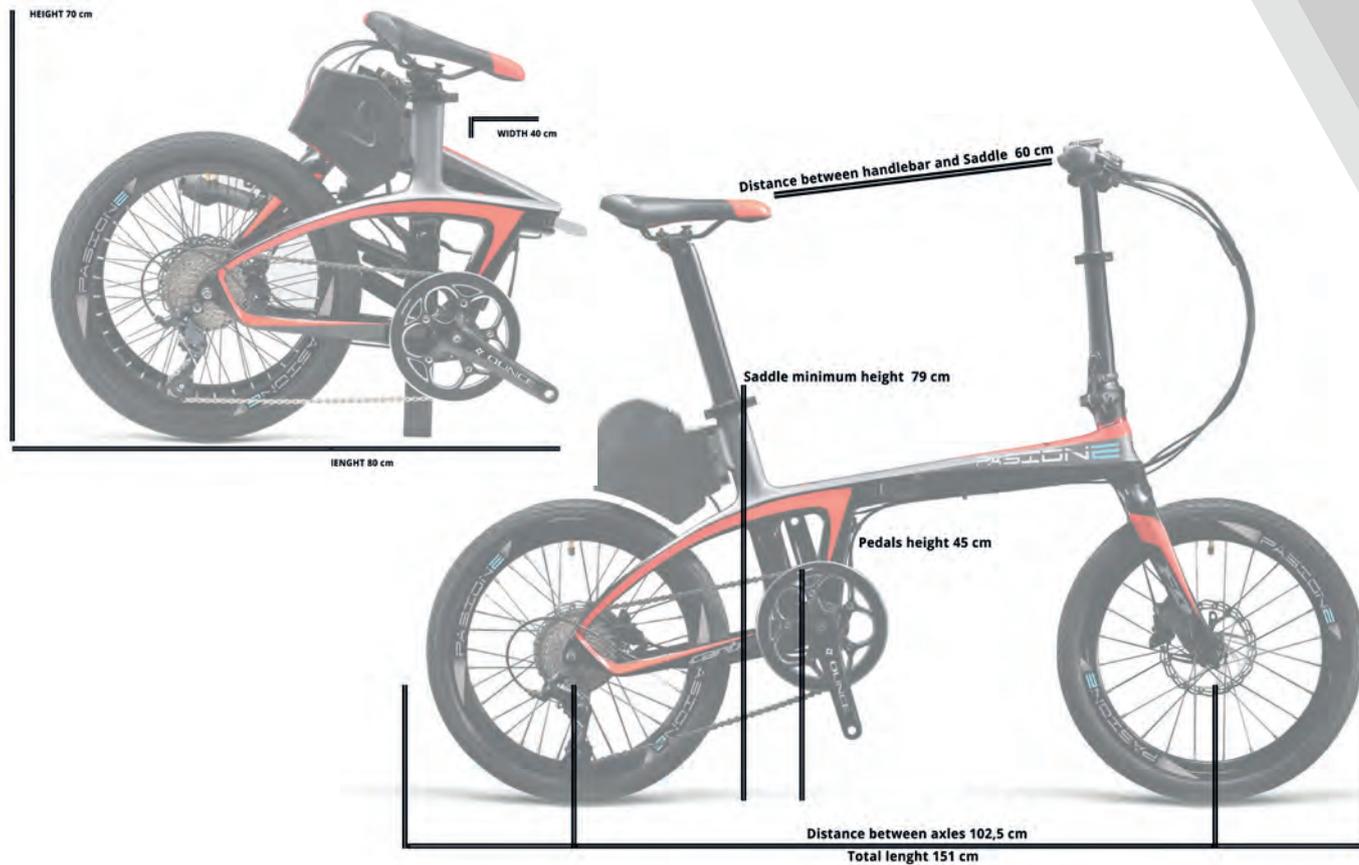
2.1 Structure of urban PASION - eBike PASIONE



1. CARBON FRAME	11. REAR DISK BREAK	21. VALVE
2. TILE (Seatpost)	12. FRONT HUB	22. FRONT BREAK
3. SEAT	13. RIM	23. REAR BREAK
4. STEEM	14. TIRE	24. BATTERY-REAR LIGHT. (MOD.: PASIONE)
5. HEADSET	15. BLICKING LIGH CONTROL	25. LIGHT - BLICKING LIGHT
6. SHIFTER LEVER	16. CRANK ARM + CHAINRING	26. ENGINE CONTROL*
7. FRONT BRAKE LEVER	17. PEDAL	27. HANDLE BARS
8. FRONT FORK	18. CHAIN	28. UNLOCK FOLDING BUTTON
9. FRONT LIGHT	19. REAR DERAILLEUR	29. LEVER FOR LOCK/FOLDING FRAME
10. REAR BRAKE LEVER	20. CASSETTE & ENGINE (MOD.: PASIONE)	30. LEVER LOCK/FOLDING HANDLEBAR

*Instructions for use of control are supplied separately.

3. 3. DIMENSIONS AND DISTANCES



4. DISPLAY, ENGINE AND BATTERY CONTROL

Data:

Display Segment LCD
 Nominal voltage 24/36/48 V
 Communication UART / LIN / CAN
 Assistance modes 0-5 / 0-7 / 0-9
 Cover colours Black / White
 Clamp diameter $\Phi 22.2\text{mm}$

Test and certification:

IP-Code IP65
 Certifications CE / EN15194



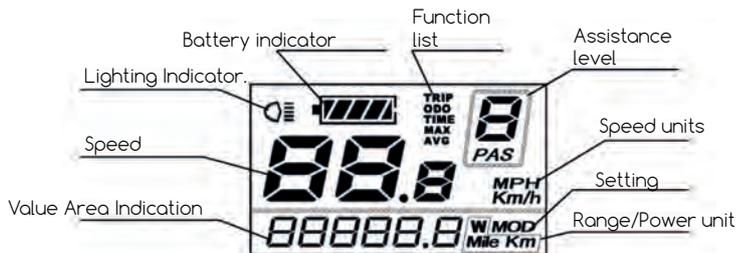
Displayed information

Battery level indicator
 Motor output indication
 Assistance level indication
 Speed indication (incl. current speed, Max. speed and Avg. speed)
 Trip distance and total distance
 The push-assistance function
 Trip time
 The lighting On/Off
 Error code indication
 Various Parameters Settings (e.g. wheel diameter, speed limit, Battery level bar, assistance level, current limit, maximum speed, password enable, etc.)
 Recover Default Settings

1. BUTTON + / UP OPTION

2. START BUTTON (2 seconds) - MODE

3. BUTTON - / DOWN OPTION



5. BATTERY AND REAR LIGHTS

1. CHARGER PLUG

2. OUTPUT DC 5V

3. LEFT/RIGHT BLICKING LIGHT

4. TRANSPORT AND EXTRACTION HANDLE



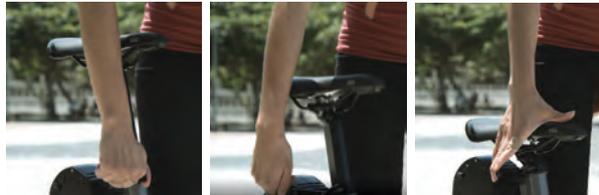
6. EBIKE FOLDING

1. Fold the pedals to the crank arm.
2. From the left side of the bike (dismount the bike) press the FOLDING UNLOCK BUTTON and release the LEVER FOR LOCK/FOLDING FRAME.
3. Take with the right hand the saddle and with the left hand the HANDLE or the HEADSET. Gripping strongly the HANDLE lift the front wheel and turn to the rear wheel until bike is folded. While you are folding the bike you can support and move slightly forward the rear wheel. When this operation is finished you would be behind the bike.
4. Release the handle turning down the FOLDING HANDLE BAR. Then fold down the HANDLE BAR.

In this position over the rear wheel you can move for short distance.

If you wish to store or parking the bike:

5. Release the LEVER LOCK and drop down completely the SADDLE. (We recommend to mark the height of SADDLE where you sit comfortably.)
6. Press the LEVER LOCK in order to lock the SADDLE in the folded position.



7. TECHNICAL CHARACTERISTICS

MOTOR: 36v MAX. 250W brushless

BATTERY: SAMSUNG IITIO 8.7Ah. (removable)

DISPLAY: KBY-DISP on/off, charge, 5 levels, speed, kilometers...

DERAILLEUR: SHIMANO SORA 9V

BREAKS: SHIMANO M315

CHAIN: KMC

CRANKSET: 170 MM.

WHEEL: 20"

WEIGHT: 15 KG.

8. USE AND MAINTENANCE

5.1 Rutinary check before use the bicycle.

1. Install the battery in the battery guides and be sure it is well adjusted and locked. Press  start button in the battery and check that the electronic system is on.
2. Safety checking (see the safety notes in this manual)
3. Check if the break levers returns to release position.
4. Check the break system: in dry surface 5,9 m. (+-21% front + rear) and wet surface 15 m.

5.2 Daily use, technical inspection and maintenance.

In the daily uso of the bicycle, if you don't adjust the screwed mechanic and electrónic components can be lost. Revise every single component in order to tighten and adjust the parts that it could be loosen or drop. So you avoid looses and breaks.

5.3 Maintenance.

To ensure the safety in public traffic circulation, check occasionally if the electronic functions works correctly, lost a part, all the mechanic parts are in good working order, clean, chain lubricated, chainring and cassette lubricated, teeth not worn down, shifter and levers lubricated. Check the worn down of the break shoe and break levers. Wheel pressure.

Inspection:	First	60 days	180 days	360 days	540 days	720 days
Adjust	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust
Handle bar and components	Tense	Lubricate	Lubricate	Lubricate	Lubricate	Lubricate
Worn down chain	Adjust	Adjust and lubricate				
Too loose screw	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust
Worn down break shoes	Replace	Tense	Replace	Replace	Replace	Replace
Deformed or swing rim	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust
Lost or bend valve	Adjust	Adjust	Adjust	Adjust	Adjust	Adjust

Note: this table is a general reference and the maintenance cycles it depends of the use and bicycle conditions.

9. TROUBLESHOOTING

Failure	Cause	Solution
Failure to change speed or too slow maximum speed.	1. Battery discharged or low. 2. Command failure. 3. Engine control failure.	1. Charge the battery fully. 2. Replace the remote.
The motor is on but it does not work.	1. Fault in the control. 2. Bad contact of the battery or contacts. 3. Engine control failure.	1. Replace the remote. 2. Reconnect and check the connections. 3. Replace the control.
Inadequate mileage for a load.	1. Low tire pressure. 2. Inadequate load. 3. The battery is damaged or its life extinguished. 4. Circular accelerating or braking or frequent slopes.	1. Inflate the wheels according to the instructions. 2. Replace the charger. 3. Replace the battery.
The charger does not charge.	1. The cable is damaged or does not work. 2. The mains plug is damaged or does not work.	1. Replace the cable. 2. Check the line and repair. *Authorized personal only.

* Any electrical repairs must be done by a specialized technician. The repair by the user or unauthorized personnel may result in loss of the warranty and serious damage.

10. Transportation, parking and storage of the bicycle.

DO NOT park the bicycle in places of passage.

Use the kickstand to support the bike and avoid chafing.

The bicycle must only be transported in a vehicle complying with traffic regulations and avoiding damage by blows, wind.

To transport you can remove the wheels whenever you are careful and knowledge of reassembling correctly.

If you need to remove saddle and handlebar, first mark the position where you use them to reassemble them.

Store sheltered from moisture and sun covering with a cloth. Do not leave leaning on places where you can suffer bumps or deformations.

11. RECOMMENDATIONS

Use of the brakes.

When driving in wet or rainy conditions, braking can be affected, so you must anticipate a greater distance of braking and a lower speed.

The surface of the brake disc must not be lubricated. It can make the pads do not brake.

If the braking cable is torn, it may end up breaking. This is very dangerous and must be replaced before driving.

Use of speed control.

Do not exert force while pedaling the gear change, it may fail or produce a jump in the chain.

As much as possible do not change several gears at once, you should change the gears in the order in which they are arranged. Change - pedaling - change.

If the electric bicycle is not used for an extended period, the chain will be changed to the smaller plates and pinions to avoid loss of flexibility of the change.

The chain and the mechanism of change must always be washed, dried and lubricated (proper lubricant).

You must avoid the chain jump during the change which can cause tooth wear.

The chain should not be too tight or too loose. The maximum that a chain can be loose is 15mm. from the total tension on the smaller plates and pinions.

Charge and use of the battery.

The battery should be charged in a large space, away from high temperatures, humidity and fires, because the bar and the charger are electronic devices. High temperatures and humidity corrode the electrical components, producing harmful gases and soot, and even a possible explosion and injury.

The charging time should not be extended too long. Excessive charging time will shorten the expected life of the battery.

After charging the battery completely, the charger as well as the battery should be unplugged as soon as possible from the mains and charger.

When the bike is not used for a long period of time, it must be fully charged before storage, and recharged once a month.

12. ROAD SAFETY.

Observe national and local traffic safety regulations.

The Traffic and Road Safety Law, on May 9, 2014, the use of the helmet will always be mandatory for children under 16, whether drivers or occupants of the bike. This rule does not distinguish the way in which they circulate. For those over 18 it will be mandatory on interurban roads.

Wear appropriate clothing. Avoid wearing loose clothing or items that may catch and / or hinder driving.

Respect safety distances. In circumstances of rain or wet road, reduce speed and do not perform sudden maneuvers such as braking.

Indicate correctly lane change or turn maneuvers.

Use safety features such as the helmet.

Circulate through Your Lane

Respect Signs of Stop and Yield.

Respect Pedestrian Crossings.

Be always visible with reflective elements and vests.

Take care before turning, change lanes or enter the traffic flow.

Do not pass by the Right Side.

Secure the bike with safety features such as U-locks and remove the battery when parking.

Keep your bike in good condition: brakes, changes, steering, wheels and lights. It provides greater security.

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