E-BIKE WITH LITHIUM BATTERY

USER'S MANUAL



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6 Introduction

Dear user, for security, please read the user manual carefully before the first use.

- **6.1.** Make sure that all parts of the bike are mounted properly.
- **62.** Obey traffic rules, don't overload the bike, adjust speed to current weather condition. As a city bike it is suitable to run on the even road.
- **6.3.** Luggage carrier loading capacity should be less than 20 kg.
- 64. Do not wade though it is waterproof to avoid short-circuit current of internal wire and damage to the bike.
- 65. Do not touch the battery with wet hand or metal to avoid large short-circuit current and possible accident.
- **6.6.** Do not change any of bike's parts casually, contact manufacturer if needed.
- **67.** Do not lend the bike to those who are not skilled at its operation to avoid extra damage.
- **6.8.** Do not wash it by high pressure water pump.

7 Specification

7.1. Specification for the whole e-bike

Total weight: ≤19.5KG

Loading capacity: ≤95KG

Max speed: ≤25km/h Gradeability: ≤7°C

72. Specification for lithium battery

Item	Lithium battery
Capacity	36V10Ah
Rated voltage	36V
Charging time	3-4
Power consumption	≤0.9kw/h

7.3. Specification for motor

Item	36V motor
Rated power	250W
Rated voltage	36V
Rated current	6A
Efficiency	>80%

7.4. Specification for controller

Item	36V controller
Under-	30.5V±1V
voltage	
Over-current	16A±1A
protection	
value	

75. Mounting locations, torque value and frequency of checks

Mounting locations	Type of screw	Torque value	Frequency of checks
Stem-fastening screw	M8	18-20N. m	15days
Saddle quick release	M8	18-20N.m	15days
Stem quick release		18-20N.m	10days
Axial screws		35-40N.m	15days
pedals		35-40N.m	15days
wheel axle		M10:30-35N.m M12:35-	15days

8 Structure



1. frame 2. folding point 3. stem 4. switch 5. handlebar 6. handlebar grip 7. brake lever 8. cable 9. V-brake 10. fender 11. front fork 12. spoke 13. rim 14. tire 15. battery lock 16. speed sensor 17. chain cover 18. chain 19. crank 20. battery 21. pedal 22. side stand 23. motor 24. luggage carrier 25. saddle 26. quick release

5 Assembly



- 5.1. Unfold the bike
- 5.2. Mount handlebar
- **5.3.** Mount pedals
- 5.4. Locate saddle
- **5.5.** Mount battery

Tools in carton

charger, set of tools, manual, couple of pedals, bell, warranty card

Frame

- Take the packaging material off the frame carefully note: carefully use the metal tool to avoid damage to the frame,
- Fold the frame,
- Lock with folding lock (pic. A),
- · Lock with safety catch (pic. B),



Folding lock



B. Safety catch

Stem

- 4 Take the packaging material off the stem carefully note: carefully use the metal tool to avoid damage to the stem
- 5 Fold the stem (pic. A)
- 6 Lock with folding lock (pic. B)
- 7 Lock with safety catch (pic. C)

A.



В.



C.



Pedal assembly

Pedal labeled "L" is fixed on the left and gets fastened in anticlockwise direction. Pedal labeled "R" is fixed on the right and be fastened in the clockwise direction.





Saddle assembly

Release the lock, adjust saddle to a suitable position and fasten it. The dip of saddle can be adjusted with the adjusting nut.









Battery assembly

Take off the battery carefully, put the battery to the position as picture shows, push lightly inside as picture B shows, and what picture C shows is the ready assembly of the battery.

battery lock







С



6 Operation

A. Bell



Press slightly

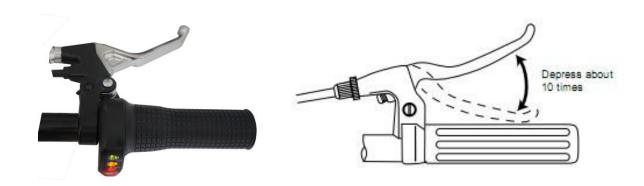
B. Power-cutting handlebar and F/R brake

Braking

Right braking handlebar for F brake. Braking handlebar is made from aluminum alloy. When braking, the electricity is cut off from the motor.

· Brake adjusting:

As picture A shows, release the adjusting nut for brake, adjust the brake wire to an appropriate position and fasten the nut.



Note: life of arrester is limited. Friction materials have to be changed when they reach less than 2.5 mm.



C. Battery assembly and charging

- Turn the key in the direction of clockwise
- Turn slightly and take off the battery
- Battery can be charged with direct charger or seat charger.
 - Direct charging port at the down of the battery, right to USB port(picture a)



a. direct charging



b. charging



c. charged



d. the plug of the charger

Red light – charging in progress.

Green light – charging completed.

Note: check the connection of battery and charger before charging, connect the electricity as picture d shows. Keep charging to prevent the battery from the declining performance of the battery caused by over discharging. Timely charging have to go after a certain distance riding, otherwise the battery life will be reduced. Charge the battery every two months without operation.

- Standard charging time: full charging can be finished with special charger in about 2~3 hours at the temperature of about 25°C.
- At summer, charging time is about 2~3hours. Charging should stop when temperature is over 40°C. At winter, charging should begin after one hour staying in the house.
- The charger has the over-current protection function, and charging in not more than 18 hours will not reduce the life time of the charger and the battery.

D. Switch

power indicator



switch

E. Note during riding

• The engine cannot run from the speed of zero. Two methods of riding: pedaling, and accelerating (power-costing). Pedal half a round before accelerating to avoid a huge power consumption and

- damage to motor caused by the large current.
- To ensure the motor life, pedal while climbing.
- While driving, ride in the way of less power consumption with safety ensured. Avoiding instantly brake
 and start. Not accelerate while braking, to avoid the huge damage to motor caused by over-working
 of the motor.
- The controller will cut off the electricity automatically when over current happens, and connects again when the current become normal.
- Pedal without accelerating when the road is watery, muddy and bumpy and the power is not enough.

7 Safety notice

1.1. Safety notes for charging

- The battery and charger should be out of child's reach.
- Do not ride when the battery is not charged to be full.
- Do charge with the special charger for the e-bike, other battery should not be charged with charger by our company.
- Due to the high-voltage circuit in the charger, please do not disassemble the charger.
- To prevent the permeating of liquid and metal particle into charger, avoid the damage caused by dropping and hitting.
- Charger should not be covered while charging.
- The charger which is for indoor using should be used in dry and ventilated environment.
- If it smells peculiar or temperature is too high while charging, stop and send to the sale agency for safety checking.

1.2 Safety notes before riding

- Check whether the tire pressure is normal.
- Check whether front and rear wheels, handle bar, stem, seat post and saddle are fixed well.

- Adjust tension of the chain, and the distance between the places of the tightened chain.
- · Check the reliability of brake system.

1.3. Parking safety

- Switch off the power in time while walking the e-bike, which is to prevent accident caused by sudden starting which is led by the unintentional turning of the rolling handle.
- While parking, switch off the power, take off the key and close bike-stopping lock.
- For the safe driving and the best state of the bike, do regular maintenance and cleaning.
- Keep your bike from rain while rainy.

1.4. Luggage carrier

- The luggage carrier is not suitable for carrying children and others
- The luggage carrier cannot be substituted
- Keep balance the loading weight of the luggage carrier.

8 Maintenance

Regular checking

- Check whether the bolts of front and rear wheels is tightened.
- Check whether cover tire wears seriously, there is cracking and tire is normal.
- Check whether connecting points is normal and braking cable goes smoothly.
- Check whether the driving system works well.

Instruction

- Do not clean with water, in order not to lead to hidden danger caused by the wet internal electronic components and circuit.
- Clean the dirt points with the clothes of the neutral detergent and then with the dry.
- Clean metal parts with lubricating oil.
- Do not inject the oil to front and rear brakes, rim and tire.

Maintenance of the whole bike

- Lubrication is the main part of maintenance. Front hub, middle axle, fly wheel and the turning point
 of front fork should be cleaned and injected with lubricating oil and machine oil. (details
 in the appendix)
- Adjusting the tension of the chain: loosen the nut in the both sides of axle and tighten
- the chain-adjusting nut until the proper tightness. Meanwhile, the rear wheel should be parallel
 to the frame and tighten the nut in the both sides of axle. If the chain is tight, do reversely. The tension
 of the chain should be proper (upright length:10~15mm).
- Check whether handle bar and saddle is loose frequently.
- Check the reliability of brake frequently.

Periodic chart of lubrication maintenance

Lubrication points	Lubrication period	Lubrication	
head set one year		grease(lithium complex grease)	
front and rear axle	one year	grease(lithium complex grease)	
middle axle	one year	grease(lithium complex grease)	
axle of pedal	four weeks	grease(lithium complex grease)	
chain wheel one week		lubricating oil	
chain	one week	lubricating oil	
the inside of fly wheel one month		lubricating oil	
brake lever	one month	lubricating oil	

9 Troubleshooting

Probl	Possible cause	Soluti
After a short pause, the	Check whether the normal position	Restore the position
bike cannot work though	of the brake is restored, and the	of brake lever
accelerating.	switch off-handle is on	
	Throttle handle can work fully or not	Repair or
Low speed		change
	Battery is full or not	Charging
	Voltage is low	Charging at once
Matar daga nat wall	Battery life is over	Change battery
Motor does not work	Battery lock is broken	Change battery lock
Motor runs rapidly and	Handle bar has a wrong connection	Reconnect
can be controlled after the	with the controller.	
switch is turned on	Inner components of controller is	Change controller
	broken	
	Connecting points of battery is	Adjusting or
Motor runs now and again	broken	grind
	Battery lock is broken	Change lock
01	Battery life is over	Change battery
Short range after a	Battery voltage does not match the	Repair and
full charging	local	change
Whether battery can	Battery life is over	Change battery
be charged or charged	no output from charger	Change charger

	charger cannot be connected to the socket well	Change socket
The component of controller is	Short circuit is caused and component is broken due to water	Change controller

10Environmental protection



WARNING! Your product is market with this symbol which informs that your device cannot be put together with other garbage. Used (rubbish) electric and electronic devices shall be wasted otherwise.

Information on utilizing electronic house devices.



Used electronic devices shall not be put into general trash. In compliance with related regulations such devices undergo recycling processes. After admission of EU regulations on

waste management, used electronic and electric devices may be returned to particular spots fee-less or returned to retail sales places. In order to receive detailed information user shall contact local authorities. Batteries to be wasted separately. Appropriate disposal of used electronic and electric devices help to avoid negative impact on environment. Inappropriate disposal of used electronic and electric devices strengthens the possibility of negative impact in environment.

Information for companies of EU countries.

In case you have to waste device designed for trading purpose, contact the producer for hints on the action, possible costs of return and recycling.

Information for companies outside EU.

In case you need to dispose of device, contact local authorities to get related information.

11 Precautions



WARNING: this symbol is to warn you about endangering voltage and is set to limit the risk of possible electric shock.

WARNING: Exclamation is put to warn you about important actions and maintenance.

Note: Read the User Manual thorough in order to use the device properly and keep it for the future.

WARNING: Do not use the device in places endangering water contact i.e. swimming pools, washing machines, sinks, vases.

WARNING: Do not put candles and lamps on the device. Possible fire outburst.

WARNING: Make sure electric parameters of given socked meet producer's requirements.

WARNING: Do not open the case and do not touch any of the internal parts of the device.

Note: Always use the device with the case to reduce external electromagnetic radiation.

Cleaning: Clean the device (case, panel, pilot) with a light wipe moistened with a gentle detergent.

Additional parts of the device: Do not use any equipment which was not confirmed by the producer as it can cause a fire, electric shock or other bodily injures.

Placing: Do not cover any sockets and holes which u find on the device due to the heat circulation. Watch out while putting the device on sofas, beds etc. Do not place the device near heaters or other heat generators.

Note: There is a risk of humidity condensation when: the device was moved quickly from a cold place to a warm one; when the heating starts up; in a wet room. If the humidity condensates inside the device it may not work properly. Solution: turn off the device and the power supply and wait about 2 hours.

Replacing parts: shall any of the parts need to be replaced user has to assure if this particular technical service uses parts which correspond to producer's recommendations. Safety control: after technical service company finishes repairs user should ask the company for general safety control to make sure that the device is in a proper condition.