
ORLMS
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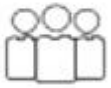
Read This Before Riding This E-Bike

	always wear a helmet when riding your ebike.
	Keep the key in a safe place. If the key is lost you will not be able to ture the bike on or replace the battery.
	Before riding your e-bike,make sure the battery is fully charged.
	Be sure to know and obey local road laws.
	Do not ride your e-bike under the influence drugs or alcohol.
	Respect pedestrians at all times.
	Do not ride in wet conditions.you may fall out of the e-bike and get injured. Wet conditions may damage electronic equipment, making warranty service unavailable.
	For safety reasons, our electric bicycles are only for adults over 18 -years old. Minors are not recommended.
	Please refer to the installation video. Install the electric bicycle correctly and check the loose screws.

FULLY CHARGE BATTERIES BEFORE FIRST USE
Please pay attention and remain vigilant to avoid fire when charging the battery.
Only charge the battery indoors in dry spaces which are not excessively hot or cold.
Ensure there is no dirt,debris,or flammable items nearby when using the charger.
The charger will automatically stop charging once the battery reaches its full capacity.

We recommend that you consult a bicycle specialist if you have doubts or concerns as to your experience or ability to properly assembly, repair,or maintain your bicycle.

Additional warning/cautions are in the assembly section of this manual

With proper care and maintenance your will provide ease of use and be fun to ride

Below are points that will help you to maximize the enjoyment you get from your new hybrid electric bicycle

FACTORS TO MAXIMIZE THE RANGE OF YOUR HYBRID ELECTRIC BICYCLE

- Rider input - the more the rider pedals the further the distance traveled. Continuous riding,as opposed to frequent stopping and starting will yield the greatest range possible
- Elevation Gain -the flatter the road the further the distance traveled
- Weather -cold weather can adversely affect the battery capacity
- Wind - traveling with a tailwind will increase distance traveled, traveling into a headwind will decrease distance traveled
- Terraln - the smoother the terrain(roadways vs, fireroads,etc. the further the distance traveled
- Rider Weight - the lighter the rider, resulting in less drain on the batteries,the further distance traveled
- Bicycle Maintenance - a properly maintained bicycle will yield the greatest range possible
- Tire Pressure - properly inflated tires have less rolling resistance and will be easier to pedal
- Batteries-properly charged and maintained batteries will yield the greatest range possible.Batteries stored in cold areas (below 50 degrees fahrenheit/10 degrees Celsius)Will show reduced range.Batteries that have not been kept in optimum condition will show reduced range and run time

Instrument introduction and operation (Screen function diagram)

Riding Mode	Electric Power Assist (5 Shifts)
	Pure Electric (5 shifts)
	Pure Human Riding
CRUISE CONTROL SYSTEM :	
Pure electric riding mode, during riding process (turn rotatable grip + long press - button for 5 seconds) to enter cruise mode (instrument display Cruise sign). Brake cancels cruise. (Cruise mode need to be used in good road conditions, with few pedestrian and vehicles on the road) Note: For the normal use of each function, please ensure that the LED panel works.	

Switch on and off: Long press power button for five seconds to turn the meter on/off, quick press power
button to check solo/total mileage.
Switch Speed Grade : press the +/- button to switch the speed grade
0 grade instructions:
At 0 grade mode, at this time, the motor doesn't work when you turn throttle grip, and the human riding has no electric power.
Speed Grade 1-5 instruction :
Speed Grade 1-5, turn the throttle grip, the motor works , and PAS starts at the same time. At this time,
different assistance and speed are matched according to the selected speed grade.

	
A01. The Packaging of the e-bike	**A02.Remove the packing EPE pearl cotton**
	
A03. The correct direction the stem should be facing	**A04. Turn the stem forward (do not turn the whole fork)**

	
A05. The correct direction the stem should be facing	**A06.Remove the 4 bolts**
	
A07. The correct orientation of the handlebar	**A8. Fit the stem and handlebar together**

	
A9.Tighten the 4 bolts to fix handlebar	**A10. Turn the 2 bolts on both sides to tighten the stem**
	
A11. Tighten the top bolt	**A12.Remove the fork spacer. (it protects the fork from crushing and deformation during shipping, it is not a part of the bike)**

	
A13.Remove the front wheel screws	**A14.Put the front wheel on the fork**
	
A15.Install the gasket and nut	**A16.Fix the spacers and nuts on both sides of the hub axle**

	
A17.The front motor line should be arrow-aligned	**A18.The motor is locked on the front fork.**
	
A19.Fenders and headlights	**A20.Use the bolt to join the headlight, fork arch and fender**

	
A21.Stick the screw on the lock	**A22.Headlight connection method→ ←，Yellow for headlights**
	
A23.Take off all the shelf screws.	**A24.The effect after installation**

	 3
A25.The taillight is placed on the shelf support	**A26.Lock the screw**
	
A29.Open the lever and turn the nut to loose the seat post clamp	**A30.Insert the seat post into the seat tube**

A31. Turn spanner counter-clockwise to fix the pedal L on the left side

A32.Turn the spanner clockwise to fix the pedal R on the right side

	
A33. LCD Display:battery status.real-time speed.Speed grade. **Mileage traveled**	**A34. Side view of the e-bike**

Operation Instruments

QUCKTIPS!

Activate Full Electric Mode (using throttle only) when riding on flat roads. Avoid using Full Electric Mode on slopes,rough terrain,or beaches,as excessive resistance can damage the motor or controller .
If the road conditions are unsuitable or too rough,switch to PAS

(Pedal Assist System)mode. In PAS mode,you use your feet to pedal and assist the motor in overcoming resistance.

when riding in power-assisted mode, using speed shifter and climbing mode on a flat road will waste electric power and give you a sense of empty pedaling . Stick to the appropriate modes based on your riding conditions to optimize your electric biking experience.

HOW to start

1. lock the battery and pull off the key.
2. Turn on the battery.
3. Press and hold the “POWER ON/OFF” button until the display lights.

Power on:

Under the electrified state,press and hold the power-on key for 5 seconds to power on.

Power off:

Under the electrified state,press and hold the power-on key for 5 seconds to power off.

Selection of Assist Levels;

Short press the plus(+)key or the minrs(-)key to switch the assist level of the electric bike. The power range is from 0 to 5 gears. Gear 1 is the lowest power, and Gear 5 is thehighest power. The gear position is determined by the manufacturer for the twist grip/as-sist gear, and the default is Gear 1.

The total number of gears and the value ofeach gear can be adjusted in the settings inter-face. Refer to the settings interface.

Assisted Pushing:

Long press the (-) key for 3 seconds and the electric bike enters the power-assisted push-ing state. The electric bike travels at a speed of 6 kilometers per hour. Long press foranother 3 seconds or squeeze the brake to immediately stop the powerassisted pushing.

Display Indication of Dual-Drive Mode:

Press the power button twice to switch the drive mode.

Rear-wheel Drive:

Dual Drive:

Speed Display:

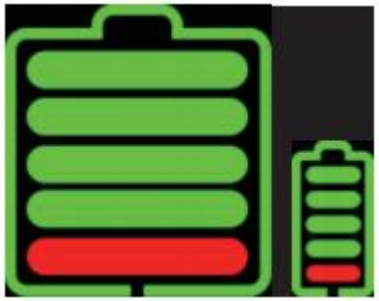
When working normally and in a no-fault state, the current speed is displayed:

Short press the power key to switch to the flashing of AvG and MAX. Select AVG or MAXthrough the (+) key and (-) key. Click the power key again or wait for 8 seconds to automat-ically confirm the speed to be displayed.AVG:Current Average Riding speed.

MAX:Current Maximum RidingSpeed.

Battery Power Display:

The battery power is displayed based on the set battery voltage (for details, see the set-tings interface). When the model supports BMS, the battery power is subject to BMs, andthe estimated battery poweroftheinstrument becomes invalid.



Mileage Display:

The instrument displays the total mileage from the factory and the mileage of a singleride.Short press the power key to switch to the flashing ofthe mileage unit. Select ODO orTRIP through the (+) key and (-) key.Click the power key again or wait for8 seconds toautomatically confirm the mileage to be displayed.Total Mileage (ODO): The total mileage from the factory to the present.

Single Mileage (TRlP): The riding mileage after this startup, and it will be automatically reset to zero after.

Error Code Display:

When a fault occurs in the electronic control system of the electric vehicle, the fault light comes on and the fault code is displayed at the speed position.

06 Under-voltage Fault (Battery Discharge)

07 Motor Fault (①The plug of the motor wire is loose;②The motor is damaged)

08 Throttle Fault (①The throttle is not in the original position before startup;②The plug is loose;③The throttle is damaged)

09 Controller Fault (The controller is damaged)

10 Communication Receiving Fault (①Check the plug condition;②The controller is damaged;③The instrument power lock is damaged;④Short circuit of other 5V devices at the controller end causes the controller to crash)

11 Communication Sending Fault (①Check the plug condition; ②The instrument is damaged; ③The controller is damaged)

Maintenance and use skills of electric bicycle

The maintenance methods of electric bicycle under different use conditions mainly include the following points.

1. Influence of temperature.

Temperature has an impact on the use of lithium batteries.Generally speaking,the impact on the use of lithium batteries at room temperature is not significant,but when the temperature is higher than 40℃ or lower than-10℃ the discharge capacity of lithium batteries will change.For example,if the temperature is below 0℃ in winter,the effect will be affected.When the battery is fully charged,the driving mileage will be shortened,because under this condition,the battery capacity can only be released by 60%-70%. Therefore,the driving mileage when the battery is fully charged in winter will be much less than in summer

Maintenance method.

A,When the temperature is low in winter, the battery should be placed indoors, and the charging should also be carried out indoors After the battery is fully charged,the charging time should be extended for another two hours.

B,In summer, avoid the sun exposure of batteries. Avoid charging the battery at high temperature.Avoid charging the battery immediately after use in high temperature.Do not charge for too long.The battery needs to be charged for another one or two hour after the red indicator turns green

2. Use on different road conditions

E-bike is not suitable for driving on the road with bad or steep conditions. If there are many uphill on the way,we will find that the mileage of charging once will be much less than that on the flat road. When starting uphill, loading or driving against the wind,please use the motor drive combined with human pedal to ensure the working life of your battery and motor be longer.

3. avoid exposure to the sun and rain.

Although the electric bicycle has good waterproof performance,it can still ride in rainy and snowy weather,but when passing through water puddles and ponding and other muds,pay attention to the wading height,which shall not be higher than the motor,so as to prevent the motor from damage caused by water inflow.Do not use a high-pressure water gun to wash the electric bicycle, so as to avoid damage caused by water entering the electronic parts and accessories.

4. Frequent braking is bound to be accompanied by frequent start-up

Which will lead to frequent large current discharge and power cut-off of the battery, which has a certain impact on its life.

Countermeasures: pay attention to safety when driving, drive at a proper speed, and try to avoid frequent braking.

5. Remember to regularly maintain electric bicycles.

Regularly check and tighten all main screws,add lubricating oil,keep them clean and avoid rusting,and try to avoid exposure to sunlight and rain.