

HD-B10

ELECTRIC BIKE

USER MANUAL



Main specification

HD-B10		Parameter	
Weight	35kgs	Type	permanent magnet brushless DC motor
Max load	150 kgs	Max riding noise	≤ 55db
Dimension	174*71*110cm	Rated power	1000W
Max speed	45km/h	Operating Temperature	-20 - 45°C
Distance per once charge	20-40 km	Rated voltage	48V
Climbing	≤20 °	Rated efficiency	≥ 80%
Overcurrent protection value	20± 1A	Construction	Gear drive
undervoltage protection value	41.5±0.5V	Torque	60N·m

Battery		Charger	
type	Lithium polymer	Input voltage	AC110-240V50HZ
voltage	48V	Charging time	6~8h
capacity	12.5Ah	Package size	145*31*84cm

Notice for safty

- Please read this manual book carefully. Please do not use it until you know how to operate it.
- When adjusting the height of saddle, the Safety line on the saddlepipe can't be exposed.
- When adjusting the height of handlebar, the safety line on the folding pipe can't be exposed, the torque of folding pipe is 18N·m, the torque for fastening handlebar is 18N·m.
- Often check the brakes to assure they are always in good condition. When it is raining or snowing, you should take brake early.
- The torque of front wheel and rear wheel shaft fastening nuts are 18 N·m and 30N·m.

Operation and notice

- Fit the battery pack in the carrier, insert the key into the lock, then press the battery pack upper lid down, turning clockwise 180 degree, to assure the battery pack is locked then take the key out.
- When riding, turn on the power by key, (switch the key clockwise) the lights on power display (red) are turned on. This shows the power is workable.
- During riding, if the red lights on the display are off one by one, and the empty light is on, this shows that the power will be exhausted and you should turn off the power switch and ride the bike by pedals.
- The riding distance will be different under different conditions, such as different roads, wind, loading weight and so on. When climbing a slope, going upwind, please make assistant power by pedals to avoid the electric power to be exhausted too quickly and make sure the bike can go longer distance. What's more, it's also good for motor and battery.
- After riding, please turn off the power and take out the key.

Riding by pedals

- When riding by pedals, we should turn off the power and use it same way as common bike.

Battery charging

- When charging, please use the charger supplied by us along with the bike, and assure that your local voltage is comply with the charger voltage.
- Battery can be charged on the bike and can also be taken out and charged in other places.
- When charging, first insert the charger plug on the socket of battery pack, then insert the plug into the power source socket. If the red light on, the charger panel all turn on, this means it is charging properly.
- If the red light is on, charger is off, this means charging is completed.
- When charging is finished, please remove the plug from power source firstly, then remove plug from battery pack.
- When charging, the charger and the battery pack should be placed stably to avoid falling, and make sure nothing covers on the charger and battery pack.
- When charging, if the surface of battery pack is very hot, please turn off the power and cease charging immediately and contact with our service center for assistance.

Instruction for battery pack

- In first charging, the charging time should be more than 10 hours.
- before first using or it is not used for long time, please use out all power, then charge it until the red light off.
- Do not put the battery into the water.
- when the battery use out power, it should be recharged within 48 hours. If you will not use bike long time, please charge the battery in full power, and take off the battery pack from bike and keep it in cool and dry place.
- Do not place the battery in hot place, such as oven, heater.

- Do not unpack the battery pack by yourself.
- Do not connect the battery pack with electric power source directly.
- Do not expose or put battery into the fire or heater.
- Do not use metal to connect with the circuit of the battery pack.
- Do not impact or force against the battery pack.
- Do not weld battery or pierce the battery.
- Do not shake and drop off the battery pack.
- Do not expose the battery to the strong static electricity or strong magnetic field.
- If the battery is broken and make the liquid into eyes, wash eyes with clean water and goto doctor immediately.
- If the battery pack is out of shape, has peculiar smelling, gets hot and any other abnormal conditions, you should cease using and take it out from bike frame.
- If the socket on the battery pack is dirty, please clean it with dry cloth before charging.
- Do not restart bike again and again after the power is exhausted.
- Keep the battery pack, charger, remote controller out of the reach of kids.

Warning: During charging, keep it away from explosive gas or flame

Cleaning

- If your bike is very dirty, clean the bike with or mild detergent and a non-abrasive sponge.
- Do not use high pressure to rinse your bike.
- Do not rinse the bearing points or electronic parts of the bike directly.
- Do not use harsh chemicals or alcohol wipes to clean the bike.
- Use lubricant to wipe the metal parts of the bike for maintenance.

Maintenance

- Before riding, should check the battery pack locked properly, and the lights are workable.
- Regularly check the joint between bike and battery pack, ensure it is kept dry and clean.
- Check the tyres regularly to ensure that correct pressure is maintained. When riding on the watery road, the depth of the water can't be higher than the height of wheel hub.
- The bike should keep at cool and dry position and keep away from corrosive gas and liquid.
- Do not expose the bike to strong sunlight or raining for longtime.
- Do not disassemble and repair the bike by yourself.
- Do not overload when riding.
- Every half year or one year, should add lubricating oil to front shaft, rear shaft, flying wheel, front fork and other transmission parts.

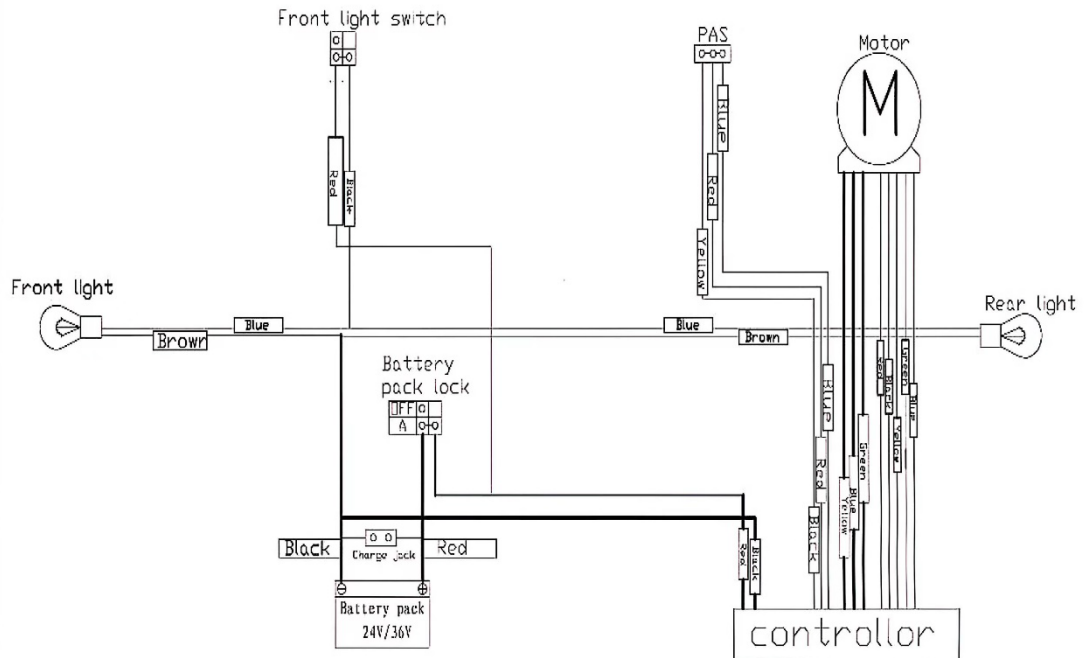
Brakes

Make sure your brakes are adjusted correctly at all times

Brakes adjusting:

1. front brake adjusting
 - 1.1. check the right brake, when the brake grip reach the distance $1/2$, the wheel should be entirely braked.
 - 1.2. loose the nut on the brake grip seat, then loose or tighten the brake line, let the distance from two brake flake on both sides to wheel rim be 1.5-2 mm, then tighten the nut, meet the requirement of 1.1.
2. rear brake adjusting
 - 2.1. check left brake grip, same way as 1.1
 - 2.2. adjusting inner passive brake. First adjust as 1.1 requires, loosen the brake grip, then adjust the nut to reach the passive flake, then hold the brake grip, screw the nut and make its distance to passive flake at 1mm. Make adjustment until the rear wheel can rotate smoothly, and can be braked. If the brake flake is wore away seriously, it will affect the performance of brake. So please replace with the new one at once.

Circuit diagram and Trouble shooting chart



trouble	Cause	Solution
After tun on the power switch, the power light is not on and Can't start the bike	<ul style="list-style-type: none"> • The battery is dead. • The plug or socket on battery pack or bike is loose. 	<ul style="list-style-type: none"> • Charging the battery. • Insert the plug or socket tightly.
After turn on the power switch, the power indicator is on, but can't start the bike	Check the cable out of motor to see whether they are in good connection	<ul style="list-style-type: none"> • Push the plug make sure it is locked. • If it still not working, check the cable inside the plug make sure it is not loosening.
After turn on the power switch, The motor on runing. Warning: turn off the power immediately.	<ul style="list-style-type: none"> • The throttle not reposition • Damage of controller 	<ul style="list-style-type: none"> • Check the throttle and make it reposition. • Change the controller.
Speed is slow, and can't run long way after every charging	<ul style="list-style-type: none"> • Tyre pressure not big enough. • Climbing the slope or go against the wind. • Battery problem. 	<ul style="list-style-type: none"> • Inflate the tyre. • Make assistant power by pedals. • Change the battery.
When charger connected with the power source, the green power indicator not on	<ul style="list-style-type: none"> • AC power outlet has no electric power • The input 2A fuse inside the charge is fused 	<ul style="list-style-type: none"> • Check theelectric source or change to another socket try again. • Disassemble the charger and replace a new 2A fuse.
Green power indicator on the charger is on, and the red one is always on, but unrelated with charging status.	<ul style="list-style-type: none"> • 5A output fuse inside the charger is fused. • The charging plug seat inside the battery box is in poor contact. 	<ul style="list-style-type: none"> • Open the upper cover of the charger, and replace the 5A fuse which lies away from the transformer. • Repeatedly insert and pullout the charging plug to ensure good contact. • Replace the fuse of the battery box. • If the above takes no effect, go to our company's authorized maintenance centers.

Important Declaration

- All photos and charts on this manual book are just for your reference, not act as inspection standard.
- To improve our products, we keep authority to change some specifications without notice in advance.



**PLEASE ALWAYS KEEP THE BOX FOR ANY POSSIBLE FUTURE
AFTER-SALES SHIPMENT.**

<u>Warranty Card</u>			
Dear user, Thanks for using our electric bicycles. Please fill in the form below clearly for sake of better after-sale services.			
User	Name		Workplace
	TEL		
	ADD		
Date of Purchase		Serial number	
Model		VIN	
Invoice Number		Battery serial number	
Distributor	Name		
	Contact		
Note:			

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