

148 mm

210 mm



# Electrically Bicycle Model: BZ20PLUS Manual

## ATTENTIONS

**Battery and charging**  
Only charge at 0°C ~ 45°C, -20°C ~ -60°C discharge. Keep the battery dry. It is strictly forbidden to put the battery in acidic and alkaline liquids, avoid rain, and keep away from fire, heat and high temperature environments. It is strictly forbidden to reverse the positive and negative poles of the battery, and it is strictly forbidden to damage, disassemble or install the battery or short-circuit the battery. Please use the original special charger when charging, not more than 8 hours, and the charging current does not exceed 2A. When not in use for a long time, please keep the battery in a cool and dry place, and charge the battery for five hours every month. The user must follow the instructions for use when charging, otherwise the consequences will be at your own risk. Pay attention to the types and applicable voltages of the batteries that the charger can charge. Mixed use is strictly prohibited. When charging, it should be placed in a ventilated environment, and it is strictly forbidden to charge in a residential building, a closed space or a hot sun and high temperature environment. When charging, plug in the battery first, and then add the utility power; when fully charged, cut off the utility power first, and then unplug the battery. When the green light is on, the power supply should be cut off in time, and it is forbidden to connect the charger to the AC power supply with no load for a long time without charging. During the charging process, if the indicator light is abnormal, there is a peculiar smell or the case of the charger is overheated, the charging should be stopped immediately, and the charger should be repaired or replaced. During the use and storage of the charger, be careful to avoid the entry of foreign objects, especially the inflow of water or other liquids, so as to avoid short circuit inside the charger. Try not to carry the charger with the bicycle. If you really need to carry it, it should be placed in the toolbox after shock absorption. Do not disassemble or replace the accessories in the charger by yourself.

### Cycling:

Do not use it until you read the instructions carefully and understand the performance of the product; do not lend it to people who can't manipulate the product for riding. Before riding the bicycle, check whether the brakes are working. When you brake, please activate the rear brake firstly, and then the front brake. Pay attention to the brake tightness. If the brake is too loose, use an Allen key to tighten it. Pay attention to increasing the braking distance when riding in rain or snow. Suitable age:  
Riding between 16 and 55 years old.  
Please be sure to wear a safety helmet when riding a bicycle, follow the traffic rules, and do not drive on motorized lanes and roads with many pedestrians. Please check the tire pressure before riding. The recommended tire pressure is 35~40 PSI.  
When riding on downhill and non-paved roads, make sure the speed do not exceed 15 KM/H.  
When using the motor, please be careful not to hit it vigorously and keep the rotating shaft lubricated. It is not allowed to ride with more than the maximum load of the body (the maximum load is 120 KG). After use, the bike can not be parked in the building hall, evacuation stairs, safety exits, and must be parked correctly in accordance with the safety rules.

One-handed riding is prohibited!

### Responsibility Statement:

After riding, please store the bicycle in a place without sunlight and rain, not in a residential building; check the motor and brake frequently. Regularly check all the screws of the bicycle and the pieces to be tightened, and tighten them regularly.  
Recommended torque: (unit: kgf·cm) 60-80 for horizontal screws, 175-200 for vertical screws, 175-200 for seat cushion screws, 320-450 for wheel screws.  
Both the front and rear wheels of the bicycle should be in the center of the fork or frame.  
Always check the tires for nicks, cracks or excessive wear. The inner tube and valve should be perpendicular to the hub and not crooked. Damaged or excessively worn tires need to be replaced immediately, please find a professional technician to replace your tire. If your tire is accidentally punctured and leaked, please contact a professional technician for repair or replacement.

### maintenance and care

The company reserves the right to modify and interpret the product models, specifications or related information mentioned in this manual; the functions of a specific model mentioned in this manual are only applicable to that specific model.  
Product models mentioned in this manual. In the event of any modification or change of specifications or related information. No additional notice will be given, thank you for your understanding.  
Without the prior written permission of the company, the contents of this manual may not be copied, modified, reproduced, transmitted or published in any form. Please read this manual carefully before using the product, and operate in accordance with the manual, otherwise the company will not be responsible for product damage or personal or property damage caused by improper use or mistakes.

**Remarks:**Electricity, load, tire pressure, road environment, chain and axle lubrication, etc. will affect the maximum speed; the cruising range is: load 60kg, speed 15-25km/h, smooth and hardened road, from fully charged to completely exhausted, obtained from uninterrupted testing; driving habits, temperature, load, the pressure, road environment and other factors will affect the cruising range.

## (Mode I : BZ20PLUS) Parts identification

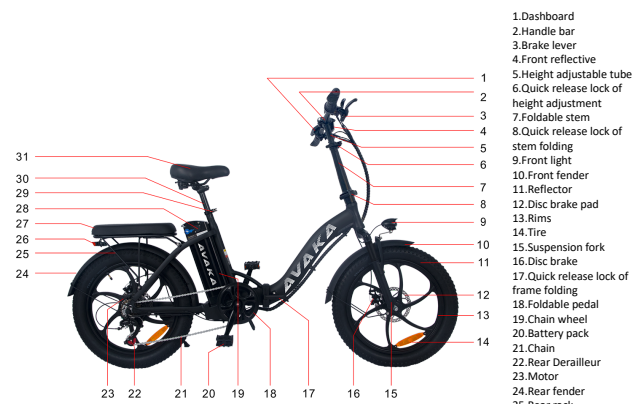
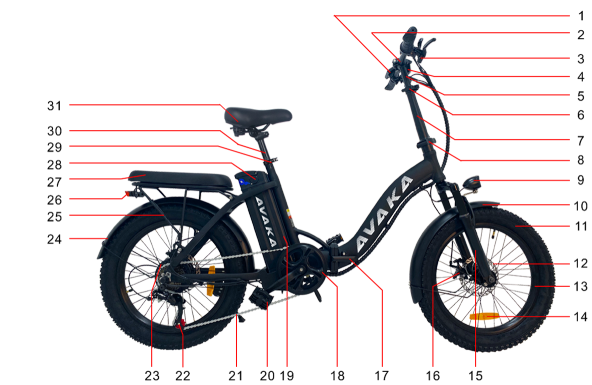


Figure 1 (Whole vehicle diagram)



### Function Introduction:

- Charging: Open the plastic cover of the charging hole on the right side of the frame and connect the charger to start charging. When the battery is full and the charger indicator turns from red to yellow-green, it means it is fully charged.
- Power on: Referring to Figure 2, turn on the battery switch; refer to Figure 3. Long press button Power on/off.
- Power display: After the power is turned on, the dashboard lights up to display the power, and the power is displayed in 5 grids, corresponding to high, medium and low power.
- Headlight: refer to Figure 3. Long press button headlights Power on/off.
- start up: Power-assisted riding, short press after power on. Adjust to 1st gear. Step on the bicycle sprocket and start the motor to assist. If motor assistance is not required, turn off the power or turn off the battery or set the meter to 0.

- 1.Dashboard
- 2.Handle bar
- 3.Brake lever
- 4.Front reflective
- 5.Height adjustable tube
- 6.Quick release lock of height adjustment
- 7.Foldable stem
- 8.Quick release lock of stem folding
- 9.Front light
- 10.Front fender
- 11.Reflector
- 12.Disc brake pad
- 13.Rims
- 14.Tire
- 15.Suspension fork
- 16.Disc brake
- 17.Quick release lock of frame folding
- 18.Foldable pedal
- 19.Chain wheel
- 20.Battery pack
- 21.Chain
- 22.Rear Derailleur
- 23.Motor
- 24.Rear fender
- 25.Rear rack
- 26.Reflective strip
- 27.Rear cushion
- 28.Charging port
- 29.Quick release lock of saddle adjustment
- 30.Tube under saddle
- 31.Saddle

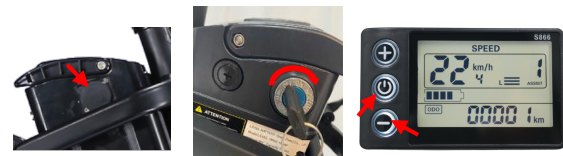


Figure 1 (Charger port) Figure 2 (Battery switch) Figure 3 (Left handle bar)

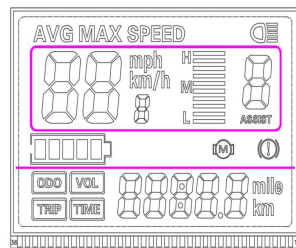
## Display Manual Control Panel Instructions

### Overview:



### III Function Description:

- Display function**  
Speed display, assist ratio display, power indicator, fault prompt, mileage display, voltage display, single boot time, 6KMh boost, cruise control, brake indicator, headlight display
- Control, set function**  
Power switch control, headlight switch control, 6KMh booster setting, cruise control setting, 3-speed booster ratio setting, speed display switching, mileage and single-boot time and voltage display switching.
- All contents of the display screen (full display within 1S after booting)



### Display information

- 1. Voltage status level POWER**  
[Icon: battery level indicator]
- 2. Multifunctional display area**  
[Icon: ODO VOL TRIP TIME]
- 3. speed display area**  
[Icon: speedometer]
- 4. Bicycle assist gear adjustment**  
[Icon: gear indicator]
- 5. Bicycle status display area**  
[Icon: motor malfunction, brake tipspt, headlights power on notification]

## 6. S866 Display Code Meaning:

status code	state meaning
E00	normal status
E06	battery undervoltage
E07	Motor failure
E08	Handlebar failure
E09	Controller failure
E10	Communication reception failure
E11	Communication sending failure

### IV Button function:

Below is button position



### Introduction to the use of buttons

Key operation is divided into short press and long press.

### Operation instructions:

- Switch LCD display  
Long press [Button] turn on or turn off.
- Modify Power assisting cycling/Electric riding level  
For example: Power-assisting cycling mode is activated now  
1) Short press [Button] Power-assisting level - 1  
2) Short press [Button] Power-assisting level + 1
- Switch between speed display  
In the power-on state, long press the [Button] and [Button] at the same time to complete the display switching between the average speed, the maximum speed and the instantaneous speed
- Set/deactivate 6KMh boost cruise, Cruising control, switch headlights  
1) When the bike is still, long press [Button] and hold the button to enter the 6KMh boost cruise mode. Pinch any brake to exit this mode  
2) When the bike is running with electric power assist, press [Button] and hold the button to enter the cruise control mode. Pinch any brake or turn the knob to exit cruise control mode  
3) Long press on [Button] to turn on/off headlight
- Choose display information  
Short press on [Button] to choose the data displayed on multi-function area.

### Note:

- Due to the upgrade of the company's products, the display content of the product you get may be different from the manual, but it will not affect your normal use.
- The parameter settings of the instrument have been set at the factory. Please operate according to the instructions in the manual, and do not change the original settings of this instrument. The company is not responsible for any abnormal function or function damage caused by not following the instructions in the manual.
- Do not immerse the meter in water, or use a water jet to clean the meter. When cleaning, wipe with a soft cloth dampened with water. Do not wipe with any cleaning agent.
- Do not dispose of the meter or any other Ebike accessories as resident waste. Please comply with local laws and regulations and dispose of or recycle Ebike accessories in an environmentally friendly manner.
- The electric bicycle is subject to the actual product received, the picture is for reference only, without prior notice.

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