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CT20S E-BIKE

PRODUCT INSTRUCTION MANUAL



COSWHEEL

Electric Mountain Bicycle

User Manual

Production license No.:

Model :CT20S



COSWHEEL

The catalogue of Electric Mountain Bicycle

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1.IMPORTANT WARNING

- This manual include important safety performance information and service information. Please make sure you have read the following warning content before the first time you use our product.
- If you borrow your electric bicycle to other people, please let the user read this manual, it could help to decrease the risk of accident.
- Please wear a suitable and safe helmet before riding, please wear the clothes with fluorescent and reflective stripes when you ride at night Don't exceed speed limit, it is a main reason of traffic accident, we should abide by the traffic rule, we shouldn't exceed the speed limit.
- Don't touch the charging hole on the bike, or use metal touch it, otherwise, the accident will be caused by the transient short circuit of the current.
- Zero starting, braking frequent, driving against the wind, carrying people or anything, insufficient air pressure on the tires. All of these will use much electric energy, and then reduce the endurance mileage. If you want the best endurance mileage, please do something as follows :
 - 1) please use assist mode;
 - 2) on the premise of safety, don't brake frequently or use zero starting;
 - 3) Don't overload;
 - 4) Before riding, please check the pressure of the tire and supply enough pressure.
- Our Ebike should avoid prolonged exposure to the sun or rain, avoid storage in places with high temperature or corrosive gas, so as to avoid electroplating parts and paint surface by chemical corrosion and electrical parts damage, resulting in operational failure and accidents.
- Your current insurance business may not cover the situation you may encounter when riding an electric bike, please contact your insurance company or insurance broker for relevant consultation.
- If you use our ebike in your country, pls refer to the local laws and regulation. For example in China, riding an electric bicycle must reach the age of 16.
- Bicycles are vehicles with certain risk fact factor, please be sure to abide by the traffic rules. At the same time, when emergency braking, brake the rear wheel first, then brake the front wheel, when cycling speed is too fast. There is a danger of tipping over if you brake the front wheel suddenly, please ride carefully.

2.UNPACKING AND PRODUCT SPECS

Remove all package material, then inspect each item for any accident damage that may have occurred during shipping. You should find each of these items in your box:



ELECTRIC BIKE



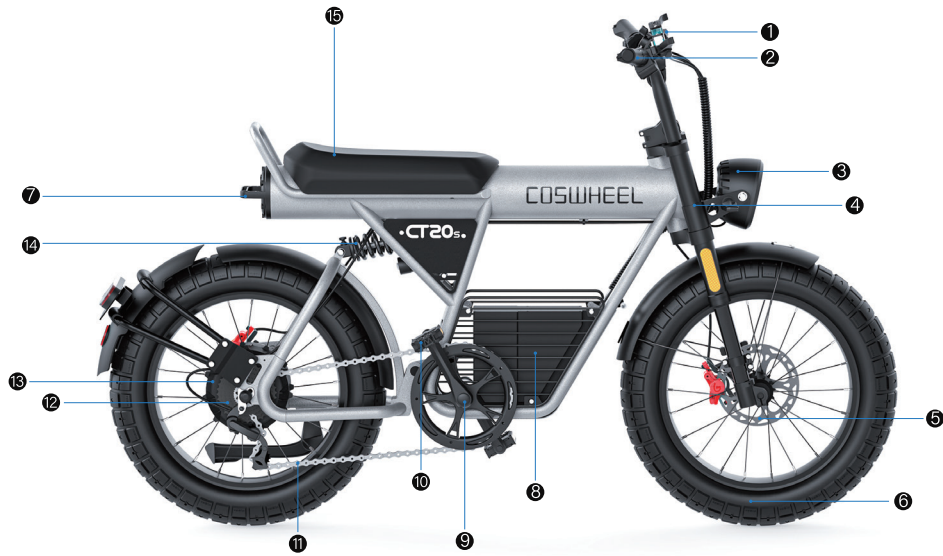
TOOLS: LARGE WRENCH*1
ALLEN WRENCHS*8
SCREWDRIVER*1



BATTERY CHARGER

ITEM	SPECIFICATIONS
Model	CT20S
Product Dimensions	1800x690x1060(mm)
Package Dimensions	1510x350x920(mm)
Max Load	440 lbs (200kg)
Package Weight	113 lbs (51KG)
E Bike Weight	99 lbs (45kg)
Max Speed	65km/h(40mph)
Battery/Charger	input 100-240V 50/60Hz AC Plug; Output 54.6V/71.4V3A DC21
Pedal-Assist Mode	Approx up to 100miles (161km)
Pure Electric Mode	Approx up to 55miles (88km)
Max Angle of Climb	35 degrees
Charging Time	3.5-8 hours
Tire Pressure	1.7-1.8BAR
Bell/Horn	Electric Horn Installed
USB Charging Port	Output Voltage 5V1A
Frame Material	6061 Aluminum Alloy
IP Level	Ip54

3.PRODUCT COMPONENTS



- ① Display
- ② Handlebar
- ③ LED Front light
- ④ Suspension Fork
- ⑤ Disc brake
- ⑥ Tire
- ⑦ Battery
- ⑧ Controllers
- ⑨ Crankset
- ⑩ Pedal
- ⑪ Chain
- ⑫ Flywheel
- ⑬ Motor
- ⑭ Suspension
- ⑮ Saddle

4. METHOD OF ASSEMBLY

4.1 Adjust handlebar and stem



Remove these 4 screws first



Insert the handlebar into the adjustment position and cover the catch



Fixing Direction Tighten screws

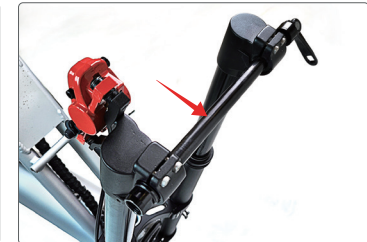
4.2 Installing the front wheel



Accessory quick release lever



20X5.0 inches pneumatic tyre



Remove the quick release lever first



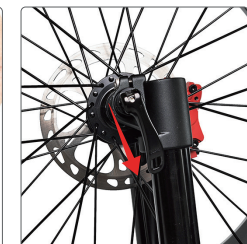
Putting the tyre into the fork slot



Insertion of quick release lever



Tighten the screw cap on the other end of the quick release lever



Lock the quick release handle to complete the front wheel installation

4.3 Assembly of turn signals



Remove these two screws.



Align turn signal screw holes
Insert screws and tighten.

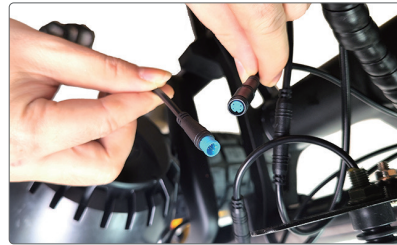


Same for the other half.
Installation complete.

4.4 Assemble the headlight



Screw Accessories



Link the headlight power cable



Fasten the screw fittings to the forks



Attach the light to the screw
and tighten it

4.5 Mounting pedal



Prepare to pedal
left and right



The pedal "L" is installed on one
side of the chainring, and "R" is
opposite to the chain ring



Tighten the left pedal "R"
counter clockwise



Tighten the right pedal "L"
clockwise

4.6 Front Mudguard Installation



Slide the wing clips onto
one leg of the fork.



Install the screws and
tighten them



Installation complete

4.7 The method of removing the battery



Shut down the power



Turn the key counterclockwise to
unlock the battery lock



Then pull it back to extract the
battery

5. PRODUCT INSTRUCTION

5.1 Charging method



Remove the power supply



Plug in the power cord



Turn on the power



Red light shows the battery is charging, green light is full

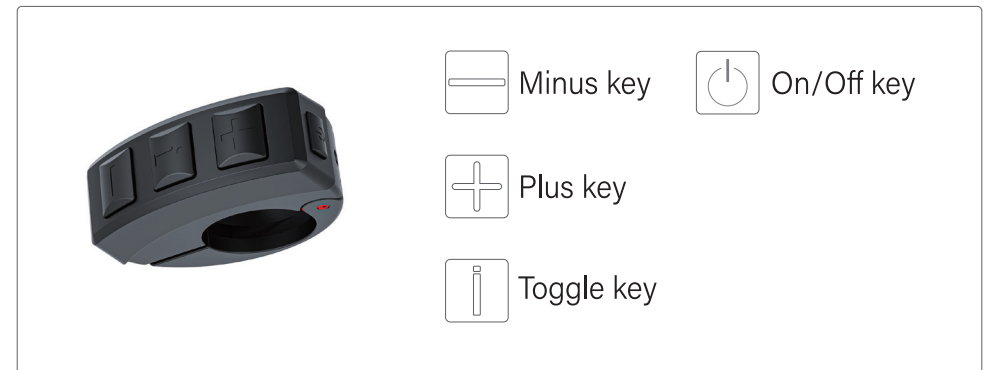
5.2 LCD Display (functional instruction)





Functions

CT20S meter offers a variety of features to meet your cycling needs, including:



- Intelligent electric power display
- Gear display
- Motor power indicator
- Speed display (including real-time speed, maximum speed, average speed)
- Mileage display (including single mileage and total mileage)
- Assist pushing control and display
- Cruise indication
- Highlight Control and Display
- Error code display
- USB connection indicator
- Bluetooth connection indicator
- Multiple parameter settings (such as: wheel diameter, speed limit, battery power setting and assist parameter setting, etc.)






◆ Power on/off

After long pressing the power on/off button , the meter starts to work and turn on the working power of the controller. In the power-on state, long press the power-on/off button  to turn off the power. In the off state, the meter no longer uses the battery power, and the leakage current of the meter is less than 1uA. If the electric bike is not used for more than 10 minutes, the meter will automatically shut down.





◆ Assist pushing mode

Press and hold the  button, and after 2 seconds, the electric bike will enter the state of electric assist pushing mode. Electric bike travel at a speed of less than 6 kilometers per hour. At the same time, the screen displays Release the  button, the electric bike will stop the power output immediately and return to the state before assist pushing mode. (Cautions: Assist pushing mode can only be used when the user is pushing the electric bike. Do not use it while riding.)


◆ Headlight control

Short press  button, make the controller turn on the headlights, dim the instrument backlight, and the screen display , short press  button again, to make the controller turn off the headlights, and the instrument backlight to return to brightness.

◆ Power gear selection

Short press  or  button to switch the power gear of the electric bike and change the output power of the motor. The default output power range of the meter is 0-5, 0 is stop power output, 1 is the lowest power, 5 is the highest power. When reaching the 5th gear, press the  button again, the meter screen will still display 5, and flash 5 to indicate that the current is the highest gear. After the power-assisted downshift reaches the 0th gear, short press the  button again, the meter screen still displays 0, and 0 flashes to indicate that the current is the lowest gear. Meter startup default gear is 1.

◆ Display interface switching

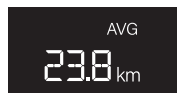
After the instrument is powered on, the instrument will display real-time speed (km/h) and total mileage (km) by default. Short press the  key to switch between the total mileage (km), single mileage km), maximum speed (km/h) and average speed (km/h)



Total mileage



Single mileage



Average speed



Maximum speed

◆ Error code display

When the electric bike electronic control system fails, the meter will display automatically. For the detailed definition of the error code, see attached Table 1. (Cautions: When the error code is displayed, please troubleshoot the fault in time. After the fault occurs, the electric bike will not run normally.)

6. PREPARATION BEFORE RIDING

1. Before riding, please read the <User Manual> carefully. Please check whether the parts in good condition to ensure the safety of your riding.
2. Please check the status of the vehicle. Please check the brake, wheel, handlebar, folding buckle, quick release part of the electric bike to make sure the electric bike has good status.
3. Please check the electrical system: To know whether the battery power is enough. If it is not enough, you need to charge it as soon as possible.
4. Please check whether the brake system works properly. If it doesn't work properly, please stop using it, please contact the official customer service person.

7. Warranty policy

1. Users should operate in accordance with the product manual. In case of any performance fault caused by production quality, the company shall perform the obligations of the three guarantees in accordance with the provisions of relevant laws and regulations of the state.
2. The company is still responsible for the after-sales service of the faults beyond three guarantees and the major components in the Three guarantees, but there will be a cost for repair.
3. If the battery replacement over the warranty time, our company will supply the battery by factory price.

EPAC EN 15194



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