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:

1. **ELECTRIC BIKE**

2. **TOOLS:**
   - LARGE WRENCH*2
   - ALLEN WRENCHES*4
   - SCREWDRIVER*1

3. **BATTERY CHARGER**

<table>
<thead>
<tr>
<th>ITEM</th>
<th>SPECIFICATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Model</td>
<td>M20</td>
</tr>
<tr>
<td>Product Dimensions</td>
<td>1700x670x1120 (mm)</td>
</tr>
<tr>
<td>Package Dimensions</td>
<td>1410x320x920 (mm)</td>
</tr>
<tr>
<td>Max Load</td>
<td>330 lbs (150kg)</td>
</tr>
<tr>
<td>Package Weight</td>
<td>127.8 lbs (58KG)</td>
</tr>
<tr>
<td>E Bike Weight</td>
<td>110.2 lbs (50kg)</td>
</tr>
<tr>
<td>Max Speed</td>
<td>25 km/h</td>
</tr>
<tr>
<td>Battery/Charger</td>
<td>input 100-240V 50/60Hz AC Plug; Output 54.6V3A DC2.1</td>
</tr>
<tr>
<td>Pedal-Assist Mode</td>
<td>Approx 50-62 miles (100-120km)</td>
</tr>
<tr>
<td>Pure Electric Mode</td>
<td>Approx 25-28 miles (50-60km)</td>
</tr>
<tr>
<td>Max Angle of Climb</td>
<td>25 degrees</td>
</tr>
<tr>
<td>Charging Time</td>
<td>4-8 hours</td>
</tr>
<tr>
<td>Tire Pressure</td>
<td>According to the actual information on the tire</td>
</tr>
<tr>
<td>Bell/Horn</td>
<td>Electric Horn Installed</td>
</tr>
<tr>
<td>USB Charging Port</td>
<td>Output Voltage 5V1A</td>
</tr>
<tr>
<td>Frame Material</td>
<td>6061 Aluminum Alloy</td>
</tr>
<tr>
<td>IP Level</td>
<td>Ip54</td>
</tr>
</tbody>
</table>
3. Product components

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

4.1 Adjust handlebar and stem

Unscrew the four screws and set aside
Install the handlebar to adjust the direction
Tighten 4 screws to fix the handlebar

4.2 Assemble the headlight

Plug in the wire
Buckle the lamp on the front fork
Take out accessories

Install accessories
Tighten the screw
It is also installed on the right side
4.3 Assemble Front fender

- Loosen the front fork screws with a hexagonal screwdriver
- Loosen the screws on both sides of the front fork
- Put the headlights and the front fender into the screws and tighten them
- Tighten the brackets on both sides of the front fender

4.4 Installing the front wheel

- Put the headlights and the front fender into the screws and tighten them
- Prepare the front tires
- Reverse the bike for easy installation
- Install the side with the e-bike disc into the direction with the disc brake
- Put the quick release handle into the tire
- Tighten the spring and nut to the screw
- After screwing to a certain strength, fasten the quick release handle in the direction of the arrow
- Lock the quick release handle to complete the front wheel installation
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 chainring
Tighten the left pedal “L” counter clockwise
Tighten the right pedal “R” clockwise

4.6 Connect the power

Take the plug out
Rotate the plug so that the arrow on the plug is aligned, then connect the plug
Tighten the nut on the plug clockwise

4.7 The method of removing the battery

Shut down the power
Turn the key clockwise to unlock the battery lock, then push it forward
Remove the battery
5. Product instruction

5.1 Charging method

- Plug the charger into the power hole
- The battery can also be removed for charging
- Plug the charger into power supply
- Red light shows the battery is charging, green light is full

5.2 LCD Display (functional instruction)

- Single Mileage
- Total Mileage
- Maximum Speed
- Average Speed
- Power Display
- Error Code Display
- Highlight Display
  - Bluetooth Connection Indicator
  - USB Connection Indicator
- Real-time Speed
- Gear
- Assist Pushing Display
- Cruise Indication
Functions

M20 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
- Blueteeeth 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 1μA. 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)

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<tbody>
<tr>
<td></td>
<td>ODO 56.8 km</td>
<td>TRIP 21.8 km</td>
<td>AVG 23.8 km/h</td>
</tr>
</tbody>
</table>

◆ Error code display [ERROR]
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 besupply the battery by factory price. To ensure safety and not to pollute the environment the battery must be 1:1 recycling and return to the battery manufacturer.

EPAC EN 15194

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MADE IN CHINA