



AMYET



USER MANUAL

AMYET EB26 Electric Bike



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Quick Start Guide
Version 2.0

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BRAND INTRODUCTION

AMYET is a company that has been focusing on the R & D, production, testing, and sales of electric bicycles and scooters for 25 years, with advanced and complete production equipment and management system. Its rich experience in mechatronics makes the products more professional. The FCC, UL, EN15194, and other valuable authoritative certifications ensure the quality of its products. In addition, its business, which comes with perfect services, has covered many cities worldwide.

In the future AMYET will continue to carry out scientific and technological innovation and provide high-quality products for countless families around the world in the field of convenient transportation, easy life, and physical fitness.

- Please read this user manual carefully before assembling and using the electric bicycle.
- This user manual is only used to provide information and there is no explicit or private guarantee.
- AMYET is not responsible for the loss caused by the improper use of the charger.
- The AMYET electric bike has a 1-year warranty.
- If you have any questions, please contact our after-sales team.
- AMYET's Official Website: www.amyet.com.
- After-Sales Email: support@amyet.com.

PRODUCT INTRODUCTION

Product Name: EB26

Accessories:

- 1*Electric Bicycle
- 2*Pedals (left and right)
- 1*Charger
- User Manual

Note:

For installation, it is highly recommended to seek help from a professional bike mechanic as the Electric bicycle components require fine-tuning and adjustments after installation. If you choose to do it yourself, please strictly follow the user manual to ensure safety. For any problems, please contact our after-sales team.

Specifications

Model	PEB26FL750W10
Net Weight	31kg
Gross Weight	38kg
Size Assembled (l*w*h)	152*26*82 cm
Frame	6061 aluminum alloy
Tire Size	26"*4.0"
Max Speed (without using the pedal)	28MPH
Max Load	150kg
Electric Motor Type	Three-phase brushless DC motor with hall sensors
Rated Electric Motor Power	1000W
Rated System Voltage	48V
Rated Charger Input Voltage	220V
Rated Charger Output Voltage	56V
Rated Charger Output Current	2A
Battery Type	Li-Ion
Battery Capacity	15 Ah
Brake Type	Disc Brake
Shock Absorber	Front + Rear
Gear Shifts	7
Charger	DC-IN
Battery Charge Time	6 hours
Guaranteed Discharge-Charge Cycles Until Capacity Drops to 80%	500 Times
Console Display	LCD
PAS	Amyet Smart Assistance: 3 levels of electric assistance + output power control by pedaling
Light Front	LED light

Installation Procedure

Open the carton, take out the accessories, tools, and the electric bicycle, and check whether all the items are inside.



Lift up the bicycle body, straighten its position, and then align the Front wheel (11) with the Shock-absorbing fork (9) and install the Front wheel (11) on the Shock-absorbing fork (9). Note: Do NOT install the tire in the opposite direction. The Front disk brake (12) and the Front disk brake caliper should be on the same side, and then fix the front wheel. Do NOT overexert to damage the front fork carrier.



Pass the quick release through the front wheel, install spring and a nut on its other side, and finally tighten the quick release.



4. Install the head parts. First, install the integrated handlebar (2) on the head and tighten the three screws as shown in the figure. Note: if the front is NOT tightened and shakes, it is very dangerous.



5. Install the Pedals (16). The R stands for right, and the L stands for left. Turn the right pedal clockwise and the left pedal counterclockwise when installing them. The threads on the screw will be damaged if you install the pedals on the wrong side. And the warranty will not cover this kind of damage. Note: Don' t forget the gasket during installing.



6. Adjust the Saddle (26) to a comfortable position according to your height for maximum comfort during riding. **Note:** To avoid damaging or breaking the Seatpost (27) or Frame (1), do NOT exceed the height safety line indicated on the Seatpost.

Inflate tires. Adjust tire pressure according to the rider's weight to ensure a balance between comfort, speed and safety while riding. Do NOT inflate the tire to more than the maximum pressure 20PSI (1.4atm). If over-inflating the tires, you need to release a little air to increase the contact area and reduce stress on soft and loose soils, because over-inflated pressure will reduce the electric bicycle's comfort, handling, and off-road capability.

8. Adjust the saddle. You can adjust the pitch and horizontal position of the saddle (closer or farther from the handlebars) with Saddle clamp. Loosen the hex bolts that hold the saddle and adjust the saddle's position to make you feel comfortable. Then, tighten the bolts to fix the saddle at the selected position. For most riders, we recommend that the saddle should be installed without any inclination (horizontal direction) and fixed in the average position relative to the bicycle.

9. Adjust the height of the Integrated-stem handlebar (2). Release the Stem rod clamp and extend the handlebar to a comfortable height, and then lock. When the handlebar height is lower, air resistance is smaller and then the pedal efficiency will be higher. Conversely, higher handlebar height reduces the burden on the arms and spine, making the seat more vertical and comfortable. Adjust the height of the handlebars to your preferred position. Like the saddle, do NOT exceed the height safety line indicated on the handlebar post.

10. Switch on and off. Press the start button on the display for seconds to switch on the electric bicycle.



11. The key is used to open the battery compartment. Do NOT lose it. You don't have to open the battery compartment because it's

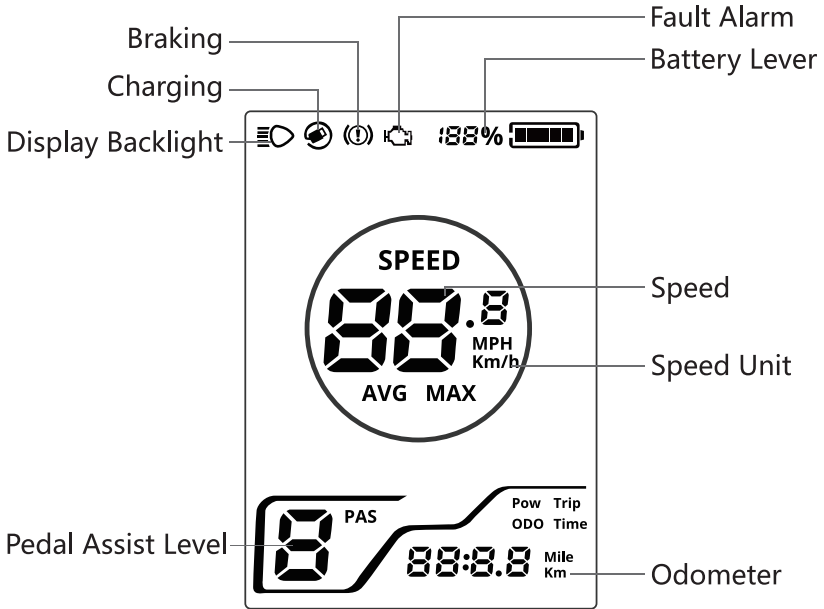
hard to reinstall it again without lots of force. Press and hold the battery switch to check the power status.

12. The charging port is on the same side as the battery compartment's key port.



13. The Electronic Display and Riding Gear Meter have been installed on the handlebar. The Electronic Display is used in the electric drive. The Riding Gear Meter is used when you pedal. The throttle is on the right side of the Riding Gear Meter.

14. Check whether all the places (e.g., quick release) that need to be tightened have been correctly tightened, whether the battery is fully charged, whether the saddle and the handlebar are adjusted to your preferred position, and whether the tires are correctly inflated. When these preparations are ready, you can start to ride the bicycle.



LCD Display Controls

Operation	Directions
Turn on bike	Press and hold until power engages (turn the battery first) (3)
Turn off bike	Press once (3)
Increase pedal assist (PAS) level	Press button (1)
Decrease pedal assist (PAS) level	Press button (2)
Turn on headlight	Press once (5)
Activate Electric Bell	Press once (6)
Shift mode	Press the M to switch the interface (4)



Functional Specification:

1. Display function

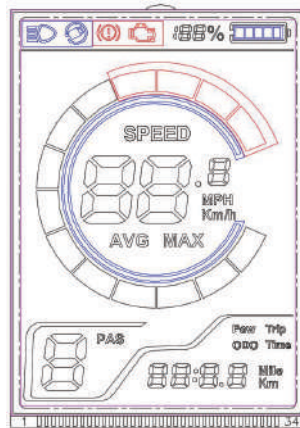
Speed display, power gear display, power indicator, fault warning, total mileage, single mileage, headlight display, single travel time display.

2. Control and set functions

Power switch control, headlight switch control, 6Km/h point control, wheel diameter setting, maximum speed setting, idle automatic sleep time setting, backlight brightness setting, voltage level setting.

3. Communication protocol

All contents of the display (full display within 1S after starting)



Display content introduction

3.1 Headlight , USB charging tips , Brake status warning ,


3.2 Display of battery capacity (remaining capacity is 100 percent of the BMS support of the battery)

100% 

Pow Trip
ODO Time

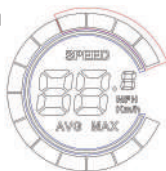
3.3 Multifunction display area **88:8.8** Mile Km

Total mileage ODO, single mileage TRIP, digital voltage Pow, single ride Time time, metric mileage Km, British mileage Mile;

3.4 Pedal assist mode  PAS

0-9 modes can be displayed, 6km boost and cruise display  ;

3.5 Speed display area



Maximum speed MAX, average speed AVG unit MPH, KM/H
The meter calculates the true speed based on the wheel diameter and signal data

3.6 Ebike status and fault code meaning

Meaning of ebike status code:

Status code (decimal)	State Meaning
0	Normal state
1	Retain
2	Braking
3	Power sensor failure (riding sign)
4	Cruise at 6KM/H
5	Real-time cruise
6	Battery undervoltage
7	Motor fault
8	Handle fault
9	Controller failure
10	Communication reception fault
11	Communication sending fault
12	BMS communication faulty
13	Headlight faulty

3.7 Setting

P01: Backlight brightness, level 1 is the darkest, level 3 is the brightest;

P02: Unit of mileage, 0: KM; 1: MILE;

P03: Voltage level: 24V, 36V, 48V, default 36V;

P04: Sleep time: 0, no sleep; Other numbers are sleep time, ranging from 1 to 60; Unit minute;

P05: PAS:0-3 mode:

mode1: 2V,

mode2: 3V,

mode3:4V;

1-5 mode:

mode1:2V,

mode2:2.5V,

mode3:3V,

mode4:3.5V,

mode5:4V;

P06: Wheel diameter: Unit, inch; Accuracy: 0.1;

P07: Speed measuring magnetic steel number: Range: 1-100;

P08: Speed limit: 0 to 100km/h. 100 indicates that the speed limit is not limited,

1. Non-communication state (instrument control) : When the speed is greater than the set speed, turn off the PWM output; When the speed is lower than the set speed, the PWM output is automatically turned on, and the driving speed is the current speed ± 1 km/h; (Only for power speed limit, no speed limit on the handle).

2. Communication state (controller control) : drive speed maintained at the set value, error: ± 1 km/h; (Power and handle speed limit)




Note: The value here is based on kilometers. When the unit setting is converted from kilometers to miles, the speed value in the display interface will be automatically converted to the correct mile value, but the speed limit data set in this menu under the mile interface will not be converted, which is inconsistent with the actual displayed speed limit value of miles.

- P09: Zero start, non-zero start Settings, 0: zero start; 1: non-zero startup;
- P10: Drive mode set 0: power drive (Determine how much power to output through the power gear, at this time Turn handle is invalid).
 1:Pure Electric (by turning the lever drive, the power mode is invalid at this time)
 2: PAS mode and Pure Electric is used at the same time(Pure Electric is invalid in zero start state)
- P11: Assist sensitivity setting range: 1-24
- P12: PAS setting range: 0-5
- P13: The type of the assisted magnetic steel plate is set in 3 types: 5,8,12 magnetic steel
- P14: The default current limiting value of the controller ranges from 1 to 20A
- P15: The function is not available
- P16: ODO Clear Setting Hold down the up key for 5 seconds to clear ODO
- P17: 0: disable cruise, 1: enable cruise. Automatic cruise Optional (valid for Protocol 2 only)
- P18: Display speed ratio adjustment range: 50%~150%
- P19: 0 indicates the enable bit. 0: contains the 0 file. 1: does not contain the 0 file
- P20: Protocol 0: 2 Protocol 1: 5S Protocol 2: Standby 3: standby

Key Introduction :

The specific combination positions of keys are as follows:
 Key operation includes short press and long press, and combination key long press.

Short press for quick/frequent operations, such as

1.   When riding, you need to modify the power/speed gear, short click.
2.  Switch the display data in the multi-function area while riding, tap it.

Single key long press mainly used for mode/switch state

switch Compound key (long press) Used for parameter setting, because the operation is complex, so as to reduce misoperation (short press do not do the compound key, because it is easy to trigger by mistake, operation is too difficult).



Specific operation explanation:

1. Modify the power mode/electric mode assume that the current PAS mode

(1) Short Press  PAS + 1

(2) Short Press  PAS - 1

2. Switching speed display


Long press mode  +  Change the speed display

3. Set/deactivate 6Km/h cruise, switch headlights on and off, ODO clear zero When the vehicle is stationary, press and hold




, Enter 6KM/h cruise mode and exit cruise mode

with your hands off; long press  Turn the headlights on and off;

P16 On the menu screen, hold down  Five second, ODO reset.

4. Switch LCD

If the current display is working, press and hold , Will close the display, otherwise open the display 5, switch the contents of the multi-function display area.



Short Press You can switch the value of the multifunction display area.

6. Set up parameters



Long press + The parameter setting screen will be displayed. Parameters that can be set include wheel diameter (unit: inch), magnetic steel number, liquid crystal brightness, undervoltage point, etc. (see Settings: P01-P20);



On the Settings screen, press or Add or subtract the set value, and the parameter will blink after modification. After selecting the set value.



1. Long press Save the current value. Parameter blinking stops;



Short Press Switch to the next parameter while saving the Settings of the previous parameter;



2. Press + , Exit the Settings and save the parameters. If you do not press, the system automatically exits and saves the modified parameters after 8 seconds.

Note: Due to the upgrade of the company's products, the display content of some products you get may be different from the manual, but it will not affect your normal use.

Error Codes of the Display

Error Code (decimal)	Indications	Note
0	Normal	
1	Reserved	
2	Brake	
3	PAS Sensor Failure (riding mark)	Not Realized
4	6km/h Cruise	
5	Real-Time Cruise	
6	Low Battery	
7	Motor Failure	
8	Throttle Failure	
9	Controller Failure	
10	Communications Receiving Failure	
11	Communications Sending Failure	
12	BMS Communications Failure	
13	Light Failure	

Charging Instructions

1. Find the battery charging port (near the battery compartment's key port).
2. First, connect the output plug of the charger with the charging port of the bicycle properly, and then connect the input plug of the charger to the power socket.
3. When the red LED indicator light turns green, it indicates that the battery is fully charged.
4. After charging, first, pull out the plug from the power socket, and then disconnect the charger from the charging port.

Attentions about the Battery

1. Charge the battery before the first ride. Depending on the ambient temperature and remaining power, it may take 2 to 9 hours.
2. Do not charge the battery when the temperature is lower than 0°C or higher than 40°C. If higher than 40°C, this may lead to battery failure and even a fire.
3. Ensure that the power supply voltage is 220/240V. Do NOT plug the charger into the power supply of different voltage.
4. Charge the battery after each ride to ensure sufficient power for the next ride.
5. Charge the battery at least once a month when you are not using the electric bicycle.
6. Store the battery in a place higher than 0°C in winter.
7. Avoid deep discharge of the battery.
8. Do not charge the battery for more than 24 hours, which may shorten its service life.
9. Keep battery on the dry conditions. Do NOT let the water into the battery, which may lead to electric shock or short circuit. If water enters the battery, do NOT charge the battery until the water evaporates completely.
10. Do NOT clean your bicycle while charging.
11. Use only the special charger supplied by our company.
12. Do NOT use this charger or our battery to power or charge any incompatible device.
13. Never disassemble the battery.
14. Do NOT drop the battery. This may cause battery damage.
15. Disconnect it when it smells abnormal or smokes while charging, and feed back problems to the maintenance center for troubleshooting or battery replacement.

Inspection Instructions

1. Check the tension of the chain and spokes to make sure there is no

noise or loosening.

2. Ensure that all mechanical components can work normally, i.e., wheels, pedals and handlebars turn freely without unnecessary noise.
3. Ensure all the parts that need to be tightened have been correctly tightened, such as frame, handlebar, seat post, etc.
4. The distance between the brake lever and the handlebar must be at least 15mm when you press the front and rear brake lever to completely stop the wheels.
5. Keep throttle rotating in a proper range and achieve progressive motor traction control.

Notes and Cautions

1. Avoid direct contact with water. If water enters, please wipe up the water and put the electric bicycle in a dry, airy place as soon as possible. Then, open the frame-integrated control module and switch compartment (29), frame and handlebar clamp until the water completely evaporates. Do NOT charge the battery until the water has completely evaporated.
2. Check the wear and damage of the electric bicycle and component loss regularly.
3. Check the fastening of each nut every 100 km.
4. As sprockets, gears, tires, grips, brake pads, etc., are consumables with limited-service life, please check them regularly and replace them in time to keep riding safe and efficient.
5. Do NOT clean the electric bicycle under water or using the high-pressure cleaning machine.
6. Clean the frame, front fork, saddle and wheels with a soft, wring-out, damp cloth.
7. Clean the electrical components or electrical related parts with a soft dry cloth.
8. Be sure to turn off the power when the bicycle is not in use.

Warranty

1. The warranty does not cover the excessively worn or damaged bicycle parts.
2. The small gaps designed to exhaust moisture and ensure successful alignment during installation may lead to unobvious movement and should not be the reasons for damage or warranty.

The small gaps designed to remove moisture and ensure mutual alignment of

3. Please follow the instructions in this manual to avoid damaging the electric bicycle.





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The manufacturer reserves the right to make changes to the product and manual at any time