

EASWE B20

Electric Wheelchair User Manual



Other language versions. Video guidance.



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Operating instructions

1. Locking and Testing

1. After locking, press and hold for 3 seconds to ensure that the safety buckles (spring latches) on both the left and right sides of the frame are fully engaged.
2. When using a new wheelchair for the first time, repeat the lock–unlock operation at least 3 times to test the mechanism's reliability.
3. Clean the locking slot regularly to prevent dust buildup that could cause a false lock.



2. Electric Mode Check

If the wheelchair is alarming or the controller cannot move it forward, please check whether the levers are in electric mode:

1. Check that the clutch knob (red button) on both motors are fully turned inward (towards the center of the wheelchair). This position indicates that electric drive mode is engaged.
2. Check that the clutch knob (red button) on both motors are fully turned outward (away from the center of the wheelchair). This position indicates that the clutches are disengaged from the motor gears, allowing the rear wheels to roll freely.



3. Front Wheel Alignment

Make sure both front wheels are pointing straight forward to prevent jamming or structural deformation when folding and storing the wheelchair.



4. Dust Cover Closure

Please close the dust cover immediately after completing the operation.



5. Battery Latch Confirmation

Ensure that the metal latches (red button) on the battery compartment are fully engaged in the battery slots, with no looseness or misalignment.



Wheelchair Unfolding Steps

1. Wheelchair Folding Status



2. Unfolding the Wheelchair

To unfold the wheelchair, lift the push handle upward while simultaneously pressing down on the front of the seat until it is fully opened.



3. Locking Mechanism Operation

Locking the safety buckles on the left and right sides of the frame first. (Note: The wheelchair should not be used if the safety buckles (spring latch) is not properly engaged.)



Please lock safety buckles on the left and right sides of the Frame first!

4. Insert Anti-tip Rear Wheels

Insert the Anti-tip Rear Wheels into the pipeline above the motor, align the hole of the Anti-tip Rear Wheels with the hole of the pipeline, then reattach the buckle to the aligned hole.



Before using the wheelchair, remember to install the Anti-tip Rear Wheels before it can be used to prevent the user from turning over in the use process!

5. Wheelchair Ready



Attention!!

Please pay attention to the following points before using the wheelchair:

1. Always fasten your seatbelt after getting into the wheelchair.
2. Make sure the Anti-tip Rear Wheels are installed before use.
3. Make sure to lock both safety buckles on the wheelchair before use.

Wheelchair Folding Steps

1. Unlocking Mechanism Operation

Open the safety buckles on the left and right sides of the frame first.



2. Folding the Wheelchair

1. Turn the backrest frame up and get close to the Seat Cushion.



2. Press the red button on Armrest, rotate the Armrest on both sides to the upward direction by 45 degrees to operate.



3. Gently hold the seat cushion frame or footrest with your left hand, and hold the Backrest frame with your right hand, and force both hands inward at the same time.



Controller and Connection Plug

Connection Plug

Upon receiving the wheelchair, align the two red terminals of the battery plug and press firmly to secure them.



Two Charging Methods

1.1 Remove the Battery

Press the metal latches (red button) on the right side of the battery case, and simultaneously pull the handle forward to remove the battery. This makes it easy to charge the battery separately.

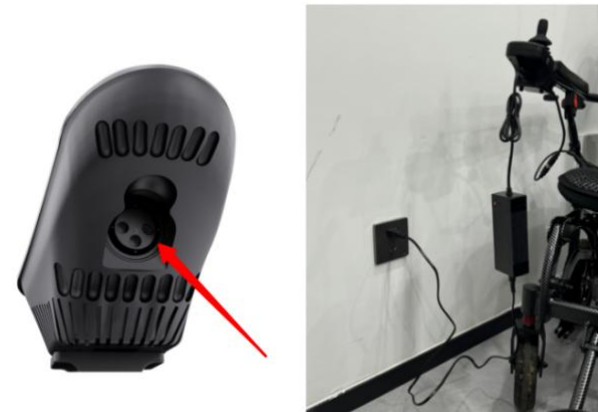


1.2 Two Charging Methods

Battery charging



Controller charging



1. Do not disconnect the battery during charging, and do not use it while charging;
2. The charging current of the controller of the electric wheelchair should not exceed 6A;
3. The charger is compatible with the pins and specifications shown in the charging socket of the controller and battery.
4. The battery can be charged separately, and the dust cover of the charging interface can be turned left and right, and it can be charged after docking the charger.

Wheelchair some functions

1.1 Open the Armrest

Press the red circular button and lift the armrest upwards.

1.2 Wheelchair standing state

After installing the anti-tip wheels (installation method is in the fourth point of the Wheelchair Unfolding Steps), the wheelchair can stand up when folded.



1.3 Left & Right Switchable controller

Loosen the screws under the armrest with one hand and hold the controller with the other until the controller can be removed forward.



Switching Motor Modes

Manual Mode

Turn off the power of the wheelchair controller for manual mode, allowing the wheelchair to be pushed manually. Then, push the clutch knob (red button) on both motors downward.



Electric Mode

For electric mode, turn on the electric switch of the controller. Then, push the clutch knob (red button) on both motors upward.

The wheelchair will then be in electric mode, ready for motorized movement. (Note: The wheelchair cannot be pushed manually in electric mode.)

Controller Button Layout



Technical Specifications

Electric Wheelchair Specification Chart

Motor: 250W*2	Armrest Height: 9in
Battery: Detachable 12AH Lithium	Backrest Height: 19in
Controller: 360 Joystick Controller	Height of Footrest from Seat: 13.8in
Range: Max 30 Miles (Two Batteries)	Distance Between Armrests: 17.3in
Front Wheels: 7.5in Honeycomb tires	Height of Armrest from Ground: 28.3in
Rear Wheels: 11.5in Honeycomb tires	Braking Distance on Flat Surface: ≤3.28in
Brake: Electromagnetic Brake	Max Climbing Angle: 12°
Frame Material: Aluminum Alloy	Operating Environment: -10°C~45°C (14°F~113°F)
Loading Capacity: 250 lbs	Turning radius: ≤ 35.4in
Net Weight : 44 lbs	Standing Slope Performance: ≥6°
Gross Weight: 57.3 lbs	Max. Safe Slope Braking: ≤62.99in(3°)
Max Speed: 4 mph	Static Stability: ≥6°
Expanded Size(L*W*H): 42*21.3*35.4in	Dynamic Stability: ≥3°
Folded Size(L*W*H): 22.8*21.3*40.7in	Obstacle Crossing Height: ≥0.98in
Packaging Size: 22*17.3*33.3in	Trench Width: 3.94in
Seat Width: 16.9in	Minimum Swing Radius: ≤35.4in
Seat Height: 19.8in	Charging Time: 5-6 hours per battery
Seat Depth: 19in	Warranty: 5 Years (frames)

These specifications are the theoretical and may vary based on actual driving conditions.

Key Points

Failing to follow these instructions may result in damage to the electric wheelchair or severe injury.

Pre-Operation Practice

1. Choose a spacious area such as a park and find an assistant to help you practice until you are confident enough to operate the chair on your own.



Before getting on or off the wheelchair, always ensure the power is turned off, and set the speed control to your desired level. We recommend starting at the lowest speed setting until you can operate the electric wheelchair with proficiency.

2. Practice stopping, moving forward, and reversing. Push the joystick, and the wheelchair will move to any position you desire.



Joystick Control Diagram



3. Start by practicing moving forward at the lowest speed setting.



4. Once you are proficient in moving forward, practice making 'S' shaped turns.



5. After you are comfortable with 'S' shaped turns, practice reversing, paying attention to the speed control settings, as the wheelchair will reverse at a slower speed than it moves forward.

Main structure and composition



1. 360 Joystick Controller

Controls the wheelchair's movements (forward, reverse, left, right) with precise speed and direction.

2. 12Ah Detachable Lithium Battery

It is equipped with the 12AH Lithium battery for longer travel distances and consistent power throughout the day.

3. 250W*2 Powerful Motor

It features a 250W dual motor, ensuring reliable and powerful performance on all terrains.

4. Adjustable Armrests

The armrest height and angle are adjustable to meet the needs of different users, facilitate getting on and off the wheelchair.

5. Shock Absorbing

Reduces vibration from uneven surfaces, enhancing comfort and supporting users with joint issues.

6. Honeycomb Tires

Durable, puncture-resistant, with excellent grip and low maintenance.

7. Anti-tip Rear Wheels

Prevent the wheelchair from tipping over when moving backwards or on uneven surfaces.

8. Rear Storage Bag

Provides convenient access to personal items.

9. Seat Cushion

Provides comfort and pressure relief, preventing sores during prolonged sitting.

10. Backrest

Offers comfort and postural support with effective pressure relief.

11. Footrest

Supports the feet and lower legs, ensuring stability and durability.

Warm Reminder

1. Do not replace the charger casually, please protect the charger;
2. The whole vehicle is equipped with the battery. Keep it charged regularly, especially if it has not been used for a long time, it is forbidden to be in a state of no power. Charge it at least once a week to maintain the battery in a cycling state and extend its lifespan;
3. Keep it charged regularly, especially if it has not been used for a long time.
4. It must be deeply discharged regularly to help activate the battery and increase the capacity of the battery;
5. The normal discharge of the battery at 0-10 degrees is 60% of the battery's capacity.
6. The rear tires of this product are solid tires.
7. Charge in a well-ventilated area.
8. Before using the wheelchair, please ensure that the battery has sufficient power. Ensure the battery is fully charged before planning trips.

Safety Precautions and Warnings

Attention: As an electric wheelchair user, you must follow the same rules and regulations as any other vehicle operator. Please keep below points in mind.

Safety Precautions

Precautions for use:

- a. *This product is prohibited on the large Angle steep slope, not allowed to stay on the steep slope waiting!*
- b. *This product cannot close the control system on slope!*
- c. *Do not turn off the power while in motion (this could lead to loss of control).*

- d. *Ensure the wheelchair is fully stopped before changing direction or making U-turns.*
- e. The mass of wheelchair users should not exceed 110kg, and the speed should not exceed 6km/h when using;
- f. Except for the car elevators, wheelchair users are prohibited from using wheelchairs to go up and down other types of stairs;
- g. When opening or folding the wheelchair, please do not hold the handrail or cross tube; When adjusting the height of the lifting leg, do not place your hands between the adjustment tube and the frame. There is a risk of pinching hands.
- h. At the same time, please do not step on the pedal to get on and off the car, and do not put your foot on the closed footrest.
- i. When adjusting the footrest, the footrest should be no less than 60 mm from the ground.
- j. Accidental factors can cause damage to the wheelchair, leading to potential injuries. The wheelchair should be inspected and maintained regularly. If necessary, inspections and repairs can be done by dealers or nearby maintenance points.

Safety Warnings

1.1 Precautions when walking:

1. *Please fasten your seat belt after entering the wheelchair;*
2. *Please lock the safety buckles on both sides of the wheelchair before driving, and do the above two points before you can use the wheelchair;*
3. Keep your feet on the footrest while moving. Keep your arms and feet inside the wheelchair at all times.
4. Wheelchairs are prohibited for athletics and dance;
5. For indoor transportation by persons with disabilities or incomplete walking ability (excluding obesity). The use of wheelchairs to carry goods is prohibited;

6. Avoid vehicle lanes. Wheelchairs are considered pedestrians, so please do not walk on the motorway/highway, please use the sidewalk;
7. Wheelchairs cannot be used as seats in the vehicle;
8. Please use this wheelchair on flat ground whenever possible;
9. If you need to walk on a road with steps or an uneven road,, please be cautious of falling into a pit; Pay special attention to getting stuck and steering wheels stuck due to passing through potholes or railway crossings;
10. Check for obstacles behind you before reversing; set the speed to the lowest gear when reversing.
11. Avoid sudden braking, sharp turns, or irregular shaking.
12. Slow down when descending slopes; braking downhill takes longer.
13. Stabilize the wheelchair before getting on or off a slope.
14. Do not carry passengers or exceed the maximum load weight.
15. *When going uphill, keep your center of gravity forward; when going downhill, shift your center of gravity backward as much as possible.*

1.2 Environmental considerations:

- 1) Do not drive near riverbanks or dock parks without clear, blue water.
- 2) Avoid driving in rainy or snowy conditions. Do not use the wheelchair in a harsh environment, which will affect the performance of the wheelchair and cause danger;
- 3) Stay off potholed or uneven roads.
- 4) Do not drive at night.
- 5) Do not attempt to cross obstacles higher than 5mm. Do not attempt to cross gaps wider than 10 cm.
- 6) Exercise caution on slopes: They are more dangerous than flat surfaces, with a higher risk of falls, tipping, or loss of control, which can cause severe injury. Always proceed carefully on inclines.
- 7) Avoid slopes with a gradient greater than 12 degrees.
- 8) Do not reverse on slopes to prevent tipping.
- 9) Avoid side slopes greater than 3 degrees.
- 10) Stay off soft, uneven surfaces like grass or gravel.

- 11) Slow down on slopes (move joystick slowly to decelerate).
- 12) Reduce speed when approaching or crossing curbs.
- 13) Move your seat forward when crossing slopes; secure any adjustable backrest.
- 14) Avoid dirt slopes and soft or unstable surfaces like gravel or thick grass.
- 15) Do not operate under the influence of alcohol or use communication devices while moving.
- 16) Do not exceed the maximum slope grade or climb obstacles higher than 30mm (unless a ramp is installed).
- 17) Do not modify or disassemble the wheelchair without proper knowledge of electromagnetic interference (EMI).
- 18) Turn off power immediately if you experience sudden movement, uncontrolled steering, or brake failure.
- 19) Precaution for Brake Failure or Unintended Movement: Avoid using communication devices or staying near broadcasting sources while moving. If you experience sudden movement or brake failure, immediately switch off the power and report the issue to the manufacturer. Retrofitting may increase the risk of electromagnetic interference (EMI).

Maintenance

Preventive Inspections

- Be sure to check the following items before boarding the wheelchair to ensure it is always in a safe condition.
- When you need to repair, please inform the after-sales service department in time.
- *Attention: Check the screws on the universal wheel, drive wheel, brake and other parts, and lock them if they are loose, tighten loose screws in the wheels using the standard kit and a wrench. Check whether the screws and screws are secure regularly.*