

V&D ELECTRIC  BIKES



# *Go-Bike M4* User Manual



# Read First

Thank you for choosing the V&D Electric Bike's *Go-Bike* M4 folding e-bike!

Please read this manual carefully before trying to ride the *Go-Bike* M4.

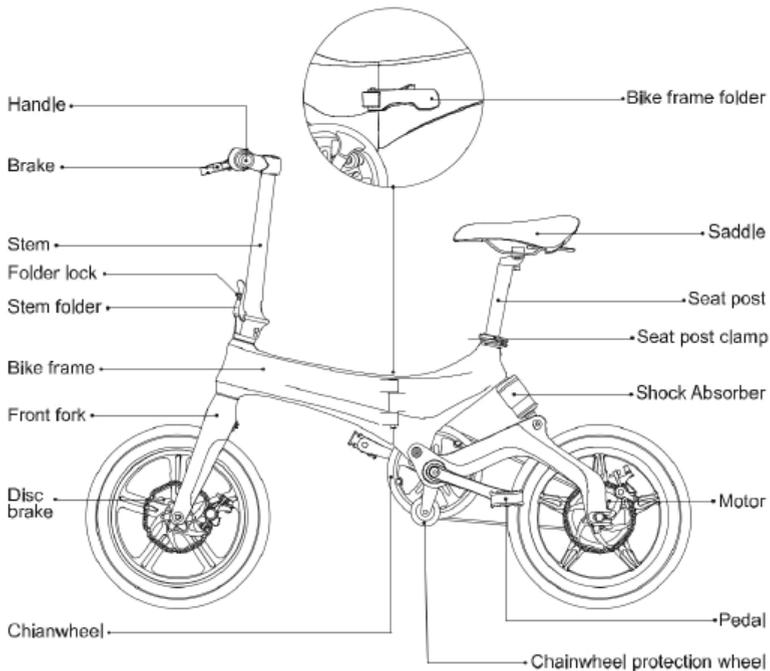
This manual will help you:

1. Understand the basic operation process of the product and the usage of its LED display;
2. Become familiar with safe riding principals so you can enjoy a safe, happy riding experience.
3. Study the product's structure and learn how to properly maintain your M4 to keep it in peak condition and at top performance.

# Read First

## Bike Structure & Functions

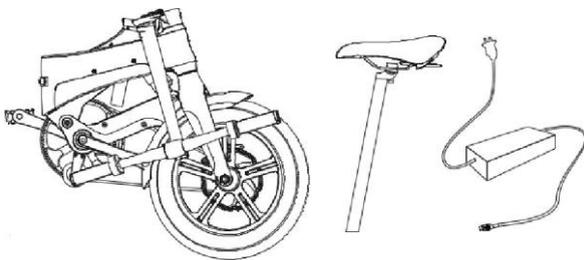
01



## Packing List

Items inside the carton include:

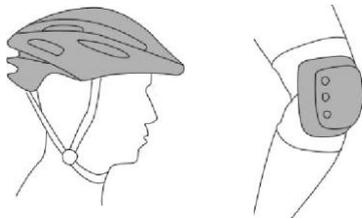
1. The *Go-Bike* M4 e-bike X1
2. Saddle and seat tube X1
3. User Guide X1
4. Charger adaptor X1
5. Battery lock key X2



Optional items may also be included, such as mudguards, rear light, bike basket, etc.

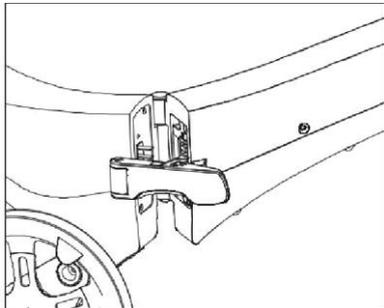
## First Try

For beginners, a helmet, gloves, knee pads, elbow pads and other protective gear are recommended while riding. This electric bike is designed for all-terrain riding on qualified roads and surfaces, otherwise, potential injury and accidents may occur. Riding on highways and interstates are prohibited.

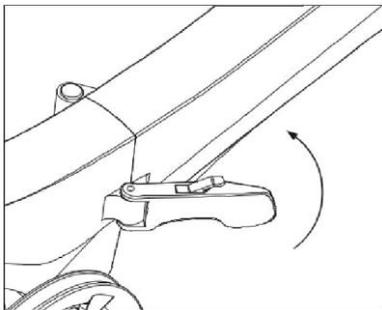


## Start immediately

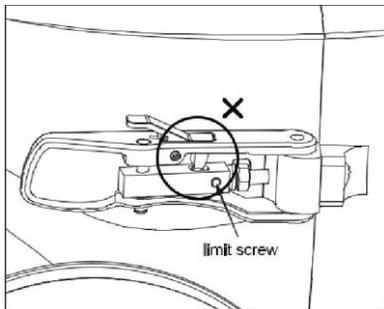
### 1. Unfold and lock the bike frame



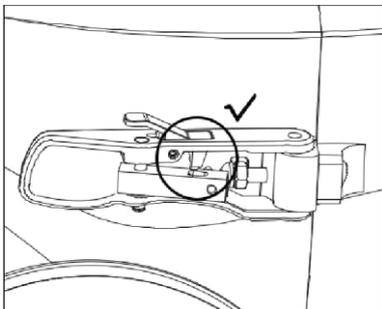
1) Hold the frame and unfold it.



2) Fasten the unfolded frame as pictured above, but please follow steps 3) and 4) below before locking it into place.

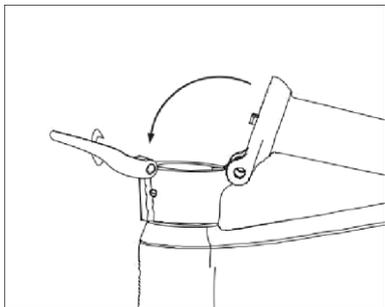


3) Press the folder lock to unfold the top piece. Adjust limit screw if necessary.

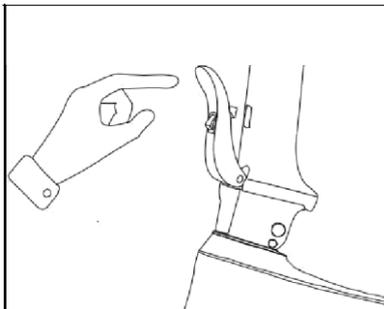


4) Press folder lock, as shown in Step 2).

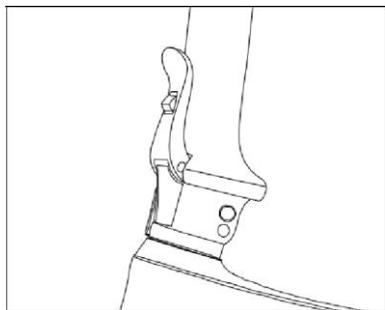
## 2. Unfold and Lock the Head/Neck Stem



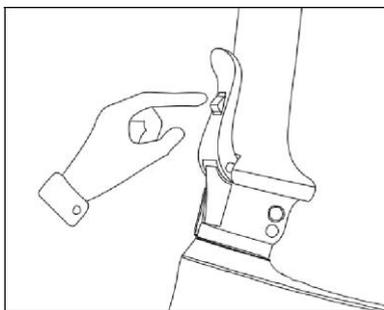
- 1) **TO LOCK:** Hold the bike, unfold the stem upright, and ensure it connects seamlessly with base part below.



- 2) Fasten the stem folder lock upward.

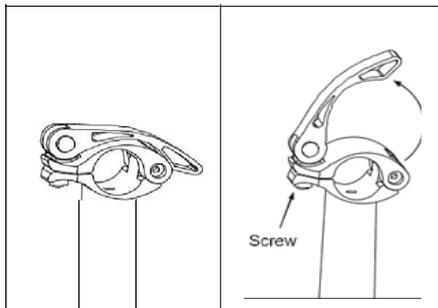


- 3) Shake the stem part to see if this folder lock is firmly fastened.



- 4) **TO UNLOCK:** Press the folder lock again to release and then unfold the stem.

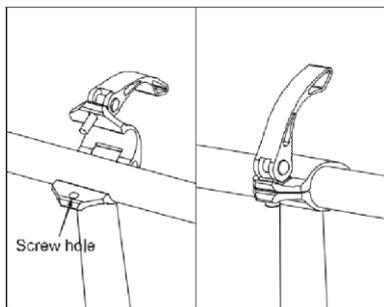
### 3. Install the Handlebar



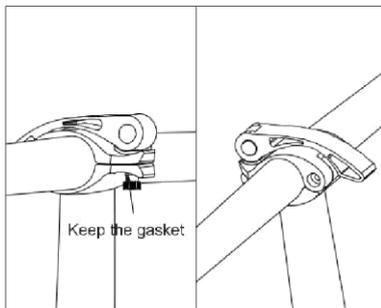
- 1) Unfold the handlebar holder, and release the quick lock screw clockwise.



- 2) Put the nut and gasket aside, then open the holder, but leave the screw in place.

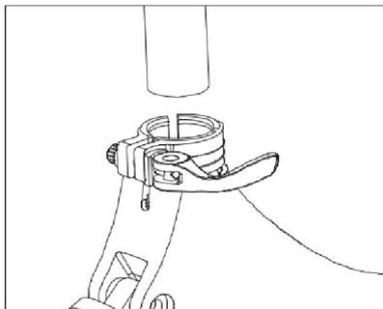


- 3) Put handlebar inside holder (as pictured above), fasten the holder and take the screw out.

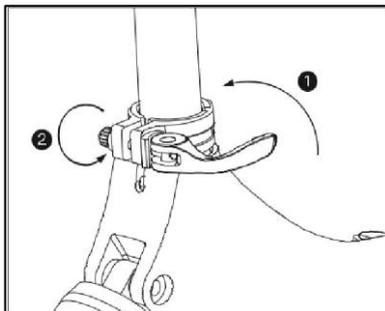


- 4) Install the nut and gasket again and tighten them, then adjust handlebar angle into position to finish installation.

#### 4. Install the Seat Post

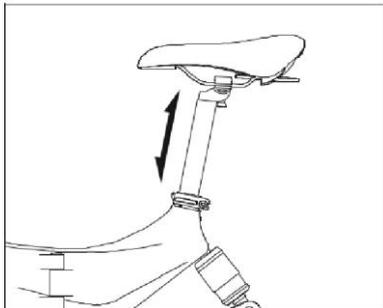


1) Loosen the seat post clamp and hold the frame to install the saddle.

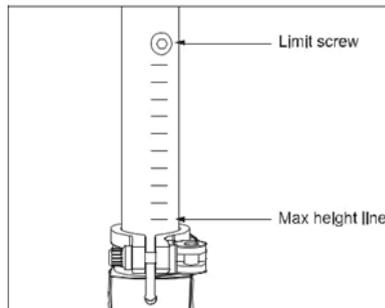


2) Tighten the seat post clamp (as pictured). Then, press the saddle downward to ensure it stays in place.

#### 5. Adjust Saddle Height

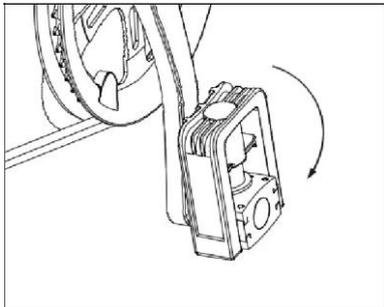


1) Loosen the seat post clamp, place the saddle at a suitable height and then tighten the clamp.

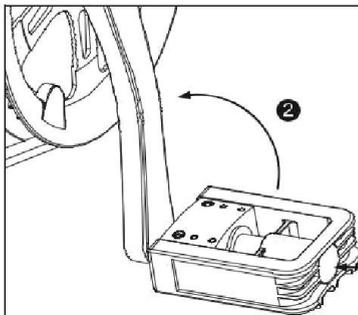


2) Ensure the seat post clamp is within the screw limit and max height line; otherwise, it could be unsafe.

## 6. Unfold/Fold the Pedals

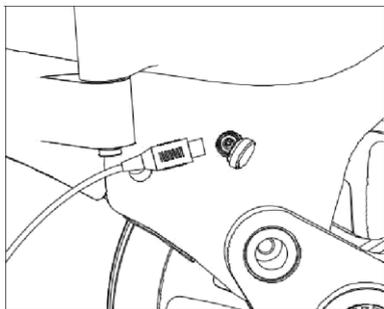


1) Hold the M4 e-bike, unfold the pedal (as pictured).

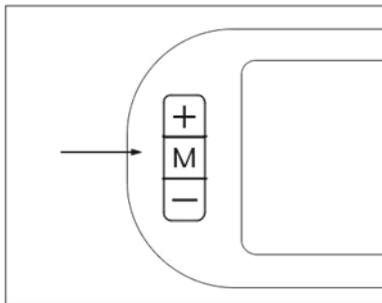


2) Fold the pedal (as pictured), press inward, and then upward

## 7. Turn on Power

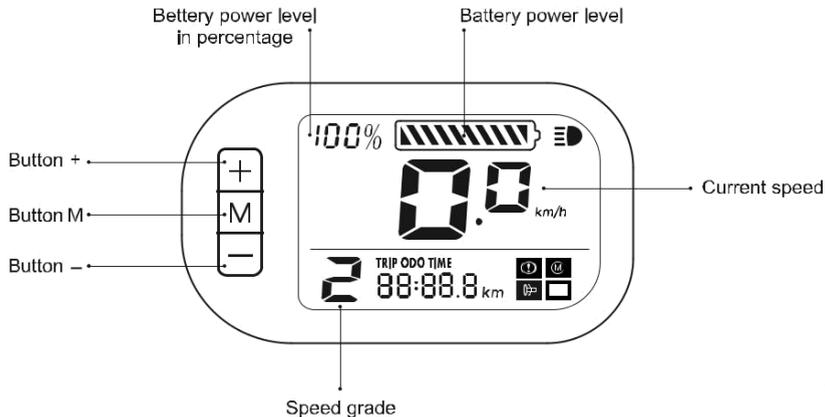


1) Please charge the battery to activate it before your first ride.



2) Press and hold the "M" button on the Display for 3 seconds to start power.

## Other Operations: LED Display



### Button instruction

Button M: Long press 3 seconds to turn on/off power ;

Short press to shift displaying trip mileage/total mileage/running time

Button + : Long press to turn on/off front light;

Short press to increase speed grade.

Button - : Short press to decrease speed grade.

### About the gear

0 Grade 0: pure riding without power support;

1 Grade 1: low speed, max around 10km/h;

2 Grade 2: middle speed, max around 15km/h;

3 Grade 3: high speed, max around 20km/h

### Icon instruction

☹ The led light switch indicator icon

🛑 The brake icon

⚠ Throttle problem indicator

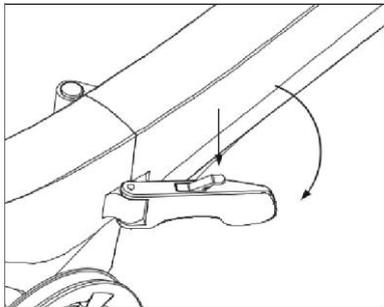
🔥 Motor problem indicator

🔧 Controller problem indicator

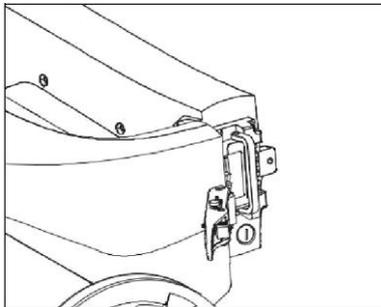
TRIP ODO TIME Shifting display at single trip mileage/  
88:88.8 total mileage/ riding time

## Other Operations: LED Display

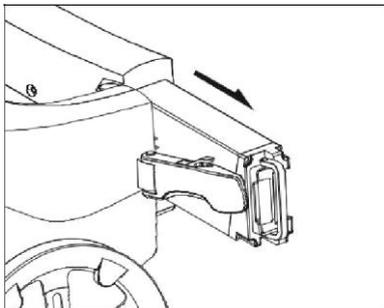
### Uninstall / Install battery



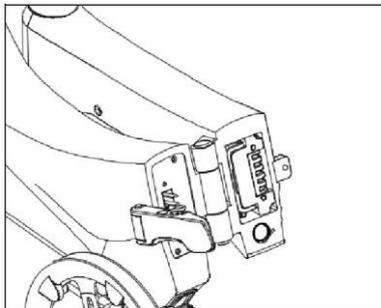
1) Shut off the power first, then press the folder lock to open folder (as pictured).



2) Turn and fold the bike frame, then turn the battery lock with its key.

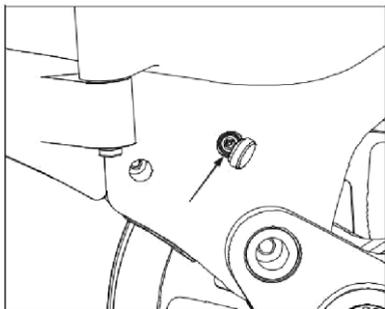


3) Uninstall by pulling out the battery box from the top of the tube (as pictured).

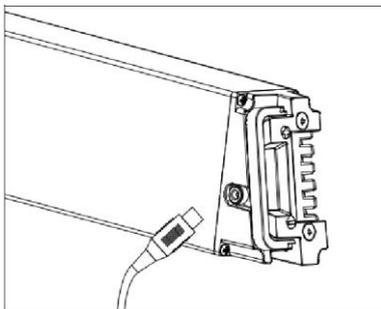


4) Install battery: Lock battery with key and then remove key. Next, press the battery handle inward, and unfold the bike frame.

## Charge Power

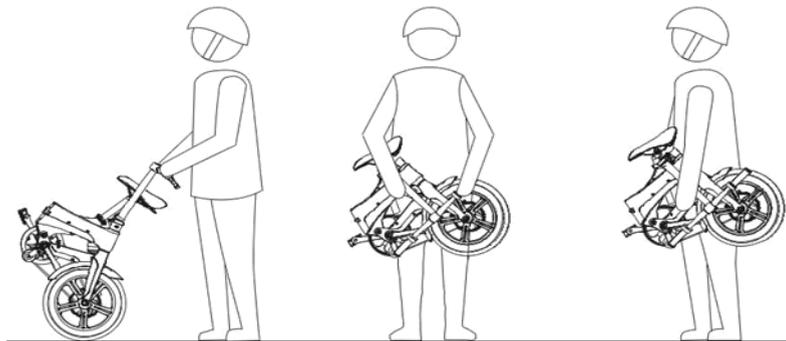


**Option 1:** Uncover silicon lid to charge from the charging port of the bike frame.

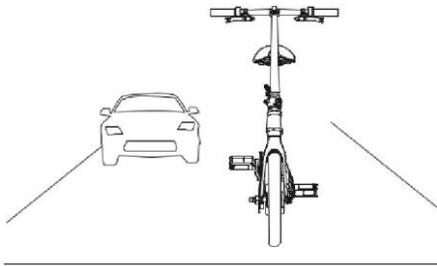


**Option 2:** Pull out the battery box to charge, instead of moving the bike.

## How to Push the M4 while Walking or Carrying It



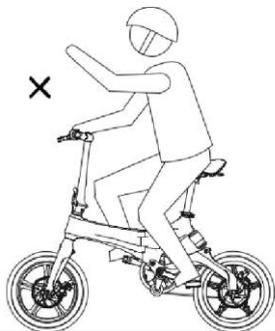
## Warning for Security



Riding on main roads or other places against transportation regulations or laws is prohibited.



Riding on oily, wet or icy roads is prohibited.



Always ride with both hands holding the handlebar.



Never ride the M4 on stairs or escalators.

## Parameters (part 1)

<b>Mechanical Configuration</b>	<b>Color options</b>	Black/Orange/Blue/White
	<b>Unfolded size</b>	53"x22"x43" / 135x56x109 cm
	<b>Folded size</b>	30"x17"x25" / 76x43x64 cm
	<b>Seat height (from ground)</b>	30-36" / 76-92 cm (adjustable)
	<b>Brake system</b>	Front and rear disc brake
	<b>Tire dimension</b>	16 inch
	<b>Frame material</b>	Magnesium unibody frame
	<b>Suspension</b>	Rear spring shock absorber
<b>Battery specification</b>	<b>Battery installment</b>	Built-in/ Anti-theft Lock/Detachable
	<b>Battery capacity</b>	36V / 5.2Ah
	<b>Battery Type</b>	Lithium ion battery
	<b>Battery weight</b>	3-5 lbs
	<b>Charging current</b>	2Amax
	<b>Charging hour</b>	About 3-5 hours
	<b>Power consumption</b>	0.2KWh per charge
	<b>Rated input</b>	10-240V 50 / 60Hz 2.0A
	<b>Rated output</b>	42V 2.0A
	<b>Battery lifespan</b>	Over 800-900 times
<b>Charging temperature</b>	0° c - 45° c	

## Parameters (part 2)

<b>Function Parameters</b>	<b>Max speed</b>	18-20 mph / 29-32 kmh
	<b>Max mileage</b>	30 mi / 48 km
	<b>Max load</b>	285 lbs/129 kg
	<b>Climbing angle</b>	> 15°
	<b>Lighting</b>	Front LED Light
	<b>Assistance Mode</b>	Throttle / Pedal Assistance Option
	<b>Stopping distance (dry condition)</b>	5 mph (speed at 20 kmh)
	<b>Stopping distance (wet condition)</b>	10 mph (speed at 15 kmh)
	<b>Motor driven system</b>	Full electric pedal assistance optional
	<b>Working temperature</b>	-10° c - 50° c
<b>Meter</b>	<b>Display</b>	Full perspective LED display
	<b>Remaining power</b>	Yes
	<b>Speed</b>	Yes
	<b>Total mileage</b>	Yes
	<b>Speed mode</b>	3 modes (Low/Mid/High)
<b>Motor</b>	<b>Rated voltage /Wattage</b>	36 V / 250 W
	<b>Torque</b>	12N·m
	<b>Waterproof level</b>	IP54

# Precautions

## About Riding

1. To avoid accident and/or injury, make sure to wear a helmet, gloves, elbow pads, knee pads and other protective gear when riding your M4.
2. Safety check: check your M4's battery strength and e-bike conditions before riding.
3. Do not ride in slippery road conditions, especially on snowy, icy and wet roads.
4. Do not ride on slopes with over a 15° incline.
5. If you must ride when it is raining or snowing, travel on your M4 at a low speed and give yourself a greater distance from the vehicle in front of you in case of emergency stops.
6. Children between 12 and 16 years of age are prohibited to ride the M4 without an adult's permission, guidance and supervision.
7. Avoid sudden acceleration and deceleration; do not lean forwards or backwards while riding; and, travel on your M4 at a safe speed depending upon road and weather conditions.
8. When the battery runs low while riding, keep your M4 at slower, constant speed and charge the battery as soon as possible.
9. If a fall is inevitable, always put your own safety above protecting your M4.
10. In case of any emergencies, keep both of your hands on the handlebar while riding.
11. Do not store your bike in the trunk of your car in hot weather.
12. Fully understand the local traffic regulations and laws before you start riding your M4 on the road.
13. Be aware of your surroundings, riding in a safe, controlled way to avoid any collisions/accidents.
14. Keep a safe distance while riding along with other people; do not ride side by side on the road.
15. Avoid riding in dim environments. If necessary, turn on your M4's headlight, be cautious and either ride at a lower speed or walk beside your M4.
16. Do not ride backwards or in any other way that might endanger yourself and/or others.
17. Do not lend your bike to those who are not as familiar as you are with the M4 User Manual.
18. Do not ride if you do not feel well or are under the influence of drugs or alcohol.
19. Accelerate slowly while riding, as sudden acceleration may cause loss of balance and injury.
20. Check if your M4 brakes are working well before you ride.

## Battery and Charging

1. Keep the battery dry and charge it between the temperature range of 0°C-45°C and discharge between -20°C-60°C.
2. Keep the M4 battery away from acid, alkaline, water, flames, heating sources and high temperature environments.
3. Do not misconnect the positive and negative power supply; do not damage, disassemble or short-circuit the battery.
4. Charge the battery with the equipped adaptor and charger; charging time must not exceed 6 hours and the charging current must not exceed 2A.
5. If the battery will not be used for a long time, keep the battery in a dry, cool environment and be sure to charge it for 2 hours every two months.
6. Charge the battery according to the User Manual requirements or else the warranty will be voided and V&D Electric Bikes will not take responsibility for any damages incurred.
7. Charge in a dry, cool environment that is well ventilated; avoid storage areas with high temperature.
8. Unplug the charger immediately after the charging is complete; do not plug the charger into the power source when it is not charging.
9. When beginning to charge, first plug the battery into the charger, and then plug the charger into the AC power supply. To stop/discontinue charging, first unplug the charger from the AC power source, and then unplug the battery from the charger.
10. If the battery light indicator is acting abnormally, or if either the battery or charger is producing an odor and/or is overheating during charging, please stop charging immediately. Then, ensure you replace the faulty item, whether it is the battery and/or charger, as soon as possible.
11. Keep the charger away from fluids while using and storing; avoid any penetration of the charger, which could cause short-circuiting.
12. The charger should not be carried together with the M4. If it must be carried, the charger should be placed in a separate box with shock absorption.
13. Avoid fully discharging the battery when using.
14. Do not disassemble or replace any parts of the charger yourself.
15. Do not put the battery in places where it may fall to the ground, because the fall may cause battery leakage and over-heating, which could lead to a fire or explosion.

## Maintenance and storage

1. When you finish riding, store your M4 in a cool, dry place with no direct sunlight and no rain.
2. Regularly check the screws and small parts on the M4, and tighten them when needed.
3. Do not use alcohol, gasoline, paraffin, acetone or other corrosive chemical solvents to clean the M4, as these may seriously damage its surface, frame and internal structure.

## Suggested Regular Maintenance & Check

Maintenance Part	Maintenance Purpose
<b>Brake</b>	Check the brake function to prevent accidents caused by brake dysfunction
<b>Tire</b>	Check the tires' condition and pressure to avoid tires bursting or causing higher battery power consumption during riding
<b>Tire Rim</b>	Check the rims' condition; clean away dirt to avoid rims breaking or sticking
<b>Shock absorber</b>	Check the shock absorbers' condition; clean and lubricate as needed to keep them in good working condition
<b>Throttle</b>	Check throttle's condition to ensure proper performance and avoid dysfunction or malfunctioning
<b>Wires</b>	Check to ensure wires' ports are not loose or broken to avoid faulty wiring
<b>Screws</b>	Check the M4 e-bike's main screws, securing them to avoid screws becoming loose or falling off
<b>Battery</b>	Check the appearance and performance of the battery to avoid faulty wiring and extend the lifespan of the battery
<b>Charger</b>	Check if the charger cord's input and output plugs are secure and reliable
<b>Lubrication</b>	Check the if the M4's axles and brake lights need lubrication
<b>Cleaning</b>	After riding, wipe off the M4 gently with a soft cloth

Tip: Please maintain and check the bike regularly, to keep it in the best condition.

# Troubleshooting

The Problem	The Reason/Cause	The Solution
<b>Pedal assistance is not working when the M4 is turned on</b>	No battery power or weak battery power	<ol style="list-style-type: none"> <li>1. Check if the battery is installed correctly</li> <li>2. Check if battery needs charging</li> </ol>
<b>M4 is not reaching the maximum distance/mileage per charge</b>	<ol style="list-style-type: none"> <li>1. Battery is not fully charged</li> <li>2. Tire pressure is low</li> <li>3. Frequent braking or sudden starts/stops</li> <li>4. Exceeding maximum weight load while riding</li> <li>5. Battery has aged and is no longer holding a full charge</li> <li>6. Temperature is too cold or too hot, causing battery attenuation</li> </ol>	<ol style="list-style-type: none"> <li>1. Check if the charger is working properly</li> <li>2. Check tire pressure for proper inflation before riding</li> <li>3. Use proper, recommended riding habits as described in the User Manual</li> <li>4. Contact V&amp;D Electric Bikes After-Sales Service dept. for assistance and/or battery replacement</li> </ol>
<b>Battery cannot be charged</b>	<ol style="list-style-type: none"> <li>1. Charger is not plugged in correctly to power source or the plug is loose</li> <li>2. Battery temperature is too low or too high</li> </ol>	<ol style="list-style-type: none"> <li>1. Ensure the charger is plugged in securely into the power source</li> <li>2. Move the battery to a location that is not too hot or cold</li> </ol>
<b>Display not working</b>	<ol style="list-style-type: none"> <li>1. There is no battery power</li> <li>2. The charger adaptor is faulty</li> <li>3. The battery meter is faulty</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the battery's condition</li> <li>2. Contact V&amp;D Electric Bikes After-Sales Service dept. for assistance</li> </ol>
<b>The motor does not work when M4 is powered on</b>	<ol style="list-style-type: none"> <li>1. Brake is not working properly</li> <li>2. The meter is faulty</li> </ol>	<ol style="list-style-type: none"> <li>1. Check the brakes</li> <li>2. Contact V&amp;D Electric Bikes After-Sales Service dept. for assistance</li> </ol>