

# User Manual

**Delorean E-Bike DM-500**

To make sure you enjoy your ride as much as possible, please read this user manual carefully and always follow the instructions when operating. The wording in this manual has been made simplified. When an action appears too complicated for you, you are advised to contact an authorized or specialized repairer or help center.

## **How to get help?**

We are here to help whenever you need us. You can contact us in the following ways:

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# RIDING SAFETY

Before you ride the product on road, please learn how to ride safely and make sure you practice until you master the riding skill, to avoid collision, falling, losing control and other dangers.

The Users' Manual informs customers of all operating instructions and matters needing attention. Even if you're an experienced user of bikes, you must read the entire manual and other documents provided carefully and operate according to the requirements of the manual. Improper assembly, maintenance, or use of electric bikes can cause component or performance failure, loss of control, serious injury, or even death. Please understand that you can reduce the risk by following all the instructions and warnings in this manual. If the user does not operate the product according to instructions or the use of the product violates warnings, the company will not undertake any responsibility for all consequences generated.

Please understand that you can reduce the risk by following all instructions and warnings in this manual, but you cannot eliminate all the risks.

If you are not sure you have the experience, skills, and tools to correctly perform all assembly steps in the manual, or if you encounter any malfunction during assembly or ride, please discontinue and consult our support team or a local bike shop.



## **WARNING!**

01. Before riding the bike, always wear helmet that fit properly with the chinstrap in place and provides the protection for the back of your head. Wear arm guard, wrist guard, knee guard if you need.
02. When entering into public spaces always comply with the local laws and regulations.
03. As with other vehicles, faster speeds require longer braking distance. Sudden braking on low traction surface could lead to wheel slip or falls. Please be caution and always keep a safe distance away from other people or vehicles.
04. Do not attempt your first ride anywhere you might encounter children, pedestrians, pets, vehicles, bicycles or other obstacles and hazards.
05. Before riding on the bike, please check for loose fasteners and damaged components. If the scooter makes abnormal sounds or signals an alarm, immediately stop riding. Diagnose your bike via our service center and/or call your dealer/distributor for services.

06. To reduce the risk of injury, you must read and follow all CAUTION and WARNING notices in this manual.

07. People who should not ride the bike include:i. Anyone under the influence of alcohol or drugs.ii. Anyone who suffers from disease that puts them at risk if they engage in physical activity.iii. Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.iv. Anyone whose weight is outside the stated limits (see Specifications).v. Pregnant women.

08. Riders under the age of 18 years old should ride under adult supervision.

09. To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others

10. Do not use metal or touch the charging port on the bike, to avoid the potential risk caused by the transient short circuit of the current.

01. Avant de rouler sur le vélo, portez toujours un casque qui s'adapte correctement avec la sangle en place et fournit la protection pour l'arrière de votre tête. Porter un protège-bras, un protège-poignet, un protège-genou si vous en avez besoin.

02. Lorsque vous entrez dans des espaces publics, respectez toujours les lois et règlements locaux.

03. Comme pour les autres véhicules, des vitesses plus rapides exigent une distance de freinage plus longue. Un freinage soudain sur une surface de faible traction pourrait entraîner un glissement ou des chutes de roues. Soyez prudent et gardez toujours une distance sûre des autres personnes ou des véhicules.

04. Ne tentez pas votre premier tour partout où vous pourriez rencontrer des enfants, des piétons, des animaux de compagnie, des véhicules, des bicyclettes ou d'autres obstacles et dangers.

05. Avant de rouler sur le vélo, veuillez vérifier les attaches desserrées et les composants endommagés. Si le scooter émet des sons anormaux ou signale

une alarme, arrêtez immédiatement de rouler. Diagnostiquez votre vélo via notre centre de service et/ou appelez votre revendeur/distributeur pour les services.

06. Pour réduire le risque de blessure, vous devez lire et suivre tous les avis de mise en garde et d'avertissement contenus dans ce manuel.

07. Les personnes qui ne devraient pas rouler à vélo comprennent :i. Toute personne sous l'influence de l'alcool ou des drogues.ii. Toute personne qui souffre d'une maladie qui la met en danger en cas d'activité physique.iii. Toute personne ayant des problèmes d'équilibre ou de motricité qui pourraient nuire à sa capacité à maintenir l'équilibre. Toute personne dont le poids est en dehors des limites indiquées (voir spécifications). Les femmes enceintes.

08. Les cavaliers de moins de 18 ans doivent rouler sous la surveillance d'un adulte.

09. Pour rouler en toute sécurité, vous devez être en mesure de voir clairement ce qui est devant vous et vous devez être clairement visible pour les autres

10. Ne pas utiliser de métal ou toucher le port de charge sur le vélo, pour éviter le risque potentiel causé par le court-circuit transitoire du courant.



## **WARNING!**

11. Do not attempt to charge your bike if, the charger or the power outlet is wet.
12. As with any electronic device, use a surge protector when charging to help protect your bike from damage due to power surges and voltage spikes. Only use the original charger. Do not use a charger from any other different product models.
13. Do not modify your bike. Modifications to your bike could interfere with the operation of the bike, could result in serious injury and/or damage, and could void the Limited Warranty.
14. Children should not play with the bike or parts of it nor should cleaning or maintenance be done by children. The use of the machine results in the transmission of vibrations throughout the driver's body.
15. For a better driving experience, it is recommended to conduct regular maintenance of the product.
16. Please read the user manual before charging the battery.
17. Always place the bike on its stand on a flat and stable surface. The bike must be placed with the stand against the slope to prevent it from tipping over. Never place the bike with the front-facing down the slope, as the stand may close and tip the machine. Once the bike is on its stand, check its stability to avoid any risk of falling (by slip, wind or slight jolt). Do not park the bike in a busy area, but rather along a wall. If possible, always choose to park your bike on flat ground.
18. Do not touch the brake system, it could cause injuries.
19. Remember to power off your bike and unplug the charging cable before assembling, mounting accessories, or cleaning the mainframe.
20. If there is any damage to the battery, the bike will not turn after charge or it will not be charged. Do not attempt to operate the bike. Contact us immediately via our support center.
21. For best endurance mileage, we advice you to: a. Use assist mode, b. Do not brake frequently or use zero starting mode, c. Do not overload, d. Please check the tire pressure before riding.
22. Avoid Water, and prolonged exposure to sun or rain. The electric bike is not waterproof. The electronics may be damaged due to water which is not covered by our warranty.

11. N'essayez pas de charger votre vélo si, le chargeur ou la prise de courant est mouillé.
12. Comme pour tout appareil électronique, utilisez un protecteur de surtension lors de la charge pour aider à protéger votre vélo contre les dommages dus aux surtensions et aux pointes de tension. Utilisez uniquement le chargeur d'origine. N'utilisez pas de chargeur d'un autre modèle de produit.
13. Ne modifiez pas votre vélo. Les Modifications apportées à votre vélo pourraient interférer avec le fonctionnement du vélo, pourraient entraîner des blessures graves et/ou des dommages, et pourraient annuler la garantie limitée.
14. Les enfants ne doivent pas jouer avec le vélo ou des parties de celui-ci, ni le nettoyage ou l'entretien doivent être effectués par les enfants. L'utilisation de la machine entraîne la transmission de vibrations dans tout le corps du conducteur.
15. Pour une meilleure expérience de conduite, il est recommandé d'effectuer un entretien régulier du produit.
16. Veuillez lire le manuel d'utilisation avant de charger la batterie.
17. Placez toujours le vélo sur son support sur une surface plane et stable. Le vélo doit être placé avec la béquille contre la pente pour l'empêcher de basculer. Ne placez jamais le vélo face à l'avant en bas de la pente, car le support peut se fermer et faire pencher la machine. Une fois le vélo sur son support, vérifiez sa stabilité pour éviter tout risque de chute (par glissement, vent ou légère secousse). Ne garez pas le vélo dans une zone animée, mais plutôt le long d'un mur. Si possible, toujours choisir de garer votre vélo sur un terrain plat.
18. Ne touchez pas le système de freinage, il pourrait causer des blessures.
19. N'oubliez pas d'éteindre votre vélo et de débrancher le câble de charge avant l'assemblage, le montage des accessoires ou le nettoyage de l'ordinateur central.
20. S'il y a des dommages à la batterie, le vélo ne tournera pas après la charge ou il ne sera pas chargé. N'essayez pas de faire fonctionner le vélo. Contactez-nous immédiatement via notre centre de support.
21. Pour un meilleur kilométrage d'endurance, nous vous conseillons de: a. Utiliser le mode assistance, b. Ne pas freiner fréquemment ou utiliser le mode zéro départ, c. Ne pas surcharger, d. Veuillez vérifier la pression des pneus avant de rouler.
22. Évitez l'eau et l'exposition prolongée au soleil ou à la pluie. Le vélo électrique n'est pas étanche. L'électronique peut être endommagée en raison de l'eau qui n'est pas couverte par notre garantie








# UNBOXING

01. Remove your bike from the box and place it on a bench or stools where wheel can spin freely. Carefully remove the protection material from the bike and set it aside.
02. Please check if all the items are included. If there are any components missing, please contact your dealer or support center via [Support@eMobility.Care](mailto:Support@eMobility.Care). After verifying that all components are present and in good condition, you can then assemble your bike.

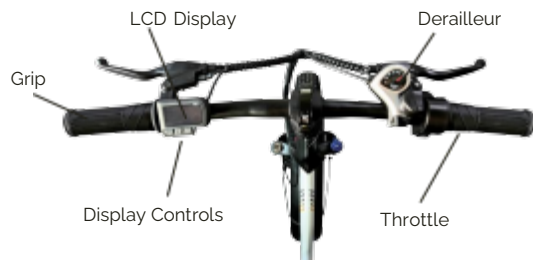
Please retain the box and packaging material in good condition in case you need to ship your bike in the future.

If you do not feel comfortable to assemble the bike yourself, we recommend you to take your bike to a bike shop or expert for assembly and inspection. If you prefer to assemble by yourself, please make sure to follow all instructions.

 User Manual x1	 Pedals x2	 Seat x1	 Charger x1	 Front Wheel x1
	 Fender x1	 Keys x2	 Wrenches x1 Screwdriver x1 Allen Key Wrenches x5	 Electric Bike x1



# DIAGRAM



# ASSEMBLY

## STEP 1: Unfold/Fold the Bike

- a. Locate the folding latch next to the right pedal.
- b. Push the safety button on the latch downward.
- c. Push the folding latch outward to unlock the folding mechanism.
- d. Fold the bike.



# ASSEMBLY

## STEP 2 : Assemble the Front Wheel



a. Put the safety hook (hook in the hole), spring and nut on the wheel shaft in order, and tighten the nut. Use the wrench as you prefer.



b. Push the latch on the right side of the wheel to lock it.

Note: Please make sure the front wheel is properly secured before moving to the next step. When properly installed, the front wheel should be fully seated and centered in the dropouts of the front fork. The front fork nuts should be fully and properly secured.

# ASSEMBLY

## STEP 3 : Assemble the Fender



- a. Remove the spacer and nut on the top of the front fork.
- b. Slide the fender through the fork, align the fender bracket and front light bracket with the screw hole. Reinstall the spacer and nut in order. Tighten the nut with Allen key wrench.



- c. Reinstall the spacer and nut in order. Tighten the nut with Allen key wrench.

# ASSEMBLY

## STEP 4 : Assemble the Headset



- a. Take out the stem and insert into the neck. Adjust the handlebar to make sure it is perpendicular to the front wheel.
- b. Push the quick release latch on the stem to lock the headset.



- c. Release the latch in the middle of the headset to adjust the angle to your liking. And push it down to lock it.

# ASSEMBLY

## STEP 5 : Assemble the Seat



a. Insert the seat in the seat post.

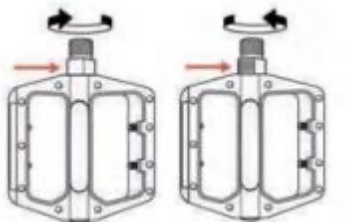


b. Adjust the height to your liking, and lock the latch.

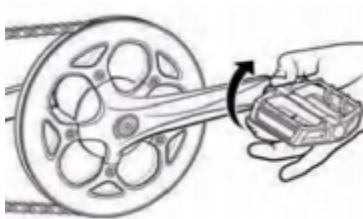
Note: Make sure the seat post and seat are properly adjusted before riding. DO NOT lift the seat post too high, the seat post or frame may break which could cause an incident.

# ASSEMBLY

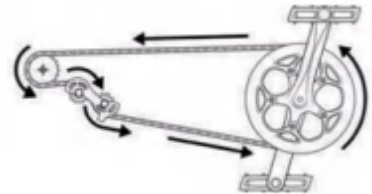
## STEP 6 : Assemble the Pedals



a. Identify the right and left side pedal by the marking on the pedal.



b. Install the pedals on the crank, twist the right pedal clockwise, and the left pedal anti-clockwise. Tighten the pedals by allen wrench.



c. Check the chain alignment. Rotate the right pedal and crank towards the back of the bike as though pedaling backwards. Inspect the chain and ensure the chain runs through the drivetrain smoothly.



# ASSEMBLY

## STEP 7 : Adjust the Suspension

The suspension fork can move up and down up to 80mm to cushion bumps, which makes riding on a rough road or trail smoother. Depending on a rider's preference, the suspension fork can be locked out as a rigid fork, which will typically yield higher efficiency while pedaling.

### The lockout lever (1)

Turn it counterclockwise until it stops to completely lock the suspension fork's travel. To unlock the lockout lever, turn the knob clockwise until it stops. When the lockout lever is unlocked, resistance can be adjusted by turning.

### The preload adjustment knob (2)

To soften the suspension, turn the knob towards the direction of the "-" on the knob. To make the suspension stiffer when going over bumps, turning the knob towards the direction of "+" on the knob.



# BATTERY & CHARGING

## Battery Key Position

When the key port is pointing to the icon below:

- a. ON: the battery is locked and turned on, the key cannot be removed from the port.
- b. OFF: The battery is locked and turned off, which means the bike cannot be activated. The key can be removed.
- c. UNLOCK: the battery must be removed from the bike before moving or riding the bike. The key can be removed.

**NOTICE:** You have to press the key then you can switch to unlock position.



# BATTERY & CHARGING

## Remove and Install the Battery



a. Remove: Locate the Quick Release Lever under the seat and lift it to tilt the saddle upright. Press the key with some force and twist it to the UNLOCK icon. Lift the battery pack handle and pull it out from the tube carefully.



b. Reinstall: Align the slot at the bottom of the battery and reinsert it into the tube. Turn the key to the LOCK position to lock it.

# BATTERY & CHARGING

## Charge the Bike

- a. Ensure the battery is OFF, by rotating the key to the OFF icon.
- b. Remove the rubber cover on the charging port on the opposite side of the battery key port.
- c. Plug the charger into the charging port and connect the DC output plug.
- d. When the LED status light is red, means the bike is charging. Once fully charged, the light turns green.
- e. Unplug the charger from the outlet first then remove the charger from the battery charging port.



## **WARNING!**

Do not charge if the charge port or charge plug is wet. Do not charge or use the scooter battery when its damaged or have trace of water. Do not charge the battery overnight, as it may result in battery damage or fire.

Ne chargez pas si le port de charge ou la prise de charge est humide. Ne chargez pas ou n'employez pas la batterie de scooter quand son endommagé ou ont la trace de l'eau. Ne chargez pas la batterie pendant la nuit, car cela peut entraîner des dommages à la batterie ou un incendie.

# BATTERY & CHARGING GET READY TO RIDE

**NOTE: Before your first ride, please make sure the bike has been assembled properly and strictly according to the manual. We suggest you to get it checked by a certified mechanic.**

1. CHECK THE BATTERY LOCK. Ensure the key port is pointing to OFF icon, which indicates the battery is off and locked. Carefully use both hands to pull up the battery to check if it is secured.
2. CHECK HANDLEBAR AND SEAT. Lowering the seat so the rider can put one or both feet flat on the ground without dismounting from the seat may offer a safer and more comfortable introduction to operating the bike. Ensure the handlebar faceplate bolts and seat post quick release are fully and properly secured.
3. TURN ON THE BIKE. Insert the key and turn clockwise to the ON position. Press the power button on the display for approximately 2 seconds until the display is lit on.
4. PEDAL ASSISTANCE (PAS) LEVEL: Press the "+" or "-" on the display remote to switch between Gear 0 to Gear 3. Gear 0 means the pedal assistance is inactive. Gear 1 corresponds to the lowest assistance and Gear 3 corresponds to the highest. Start with PAS Gear 0 or 1 and adjust from there.
5. HEADLIGHT and TAIL LIGHT.
6. START RIDING. Make sure you are equipped with all the safety gears and riding knowledge. Start with low Gear 0 or 1 and begin pedaling.
7. ACCELERATION THROTTLE. You may also use the acceleration throttle to accelerate and maintain your desired speed. Please gently and carefully rotate the throttle towards the rider. Do not use the throttle unless you are sitting on the bike.

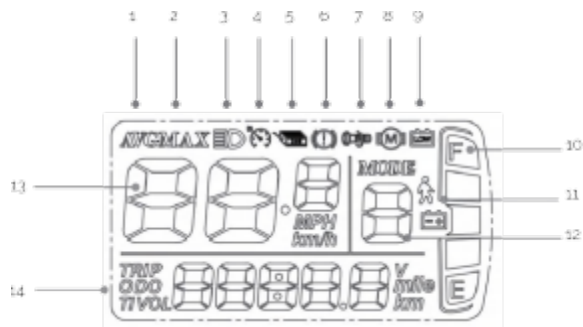


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# DISPLAY



1. AVG: Average speed in a single trip
2. MAX: Max speed in a single trip
3. Front Light
4. Cruise Control
5. Controller Error
6. E-brake Error

7. Throttle Error

8. Motor Error

9. Undervoltage Protection

10. Voltage/Power Level

11. Walking Mode: 6km/h

12. Pedaling Assistance Level/ Mode (0-5)

13. Speed: CUR – Current Speed, MAX – Max Speed,  
AVG – Average Speed

14. Multi-function Display Area:

a. TRIP: Mileage of a single trip

b. ODO: Total Mileage

c. TI: Riding Time

d. VOL: Voltage

(This image is for reference only, please refer to the actual product for more details.)

# OPERATION

	Functions	Settings
Power On/Off	When the bike is stationary for 10 minutes (the length can be changed in settings), it will automatically turn off.	ON: Long press the power button for approximately 2 seconds. OFF: Long press the power button for approximately 2 seconds.
Display On/Off	To light up or turn off the display screen	When the display is on, long press power button for 3 seconds to turn it on and off.
PAS Modes	0 means the Pedal Assistance is inactive, the assistance increases from small numbers to large numbers.	Increase: Short press "+". Decrease: Short press "-".
Multi-function display area	Mileage, riding time, voltage	Short press the power button to switch between each function.
Front Light	When the headlight is on or when you brake, the rear light will be turned on	Long press "+" for 3 seconds to turn on and turn off.
Cruise Control	When you enter cruise control, the bike will remain the current speed	When the bike is stationary, long press "-" will enter 6KM/H walking mode. When the bike is running, long press "-" will enter or exit cruise control. You can also exit cruise control by braking.
Electric Bell	Active the electric bell	Press the bell/horn button.





# SETTINGS

	Functions	Settings
Enter Setting Mode	Enter setting mode for more settings below.	Long press "+" and "-" buttons simultaneously to enter or quit the setting. Or it will automatically exit the setting if there is no operation after 10 seconds.
Switch between each function	Backlight brightness, Matrix, Voltage level, Automatic turn off time, PAS level, Speed Limit, Kickstart/Zero-start, Current limit, ODO reset	When the display is on, long press power button for 3 seconds to turn it on and off.
P01	Backlight brightness	Brightness level increases from 1 to 3
P02	Metric	0: KM; 1: MILE
p03	Voltage Level	24V, 36V, 48V
P04	Automatic power off	0: Does not automatically power off. Other numbers are the automatic power-off time (minutes)
P05	PAS (Pedal Assistance) Level range, there are 9 levels in total, you can set the level range in P05	The first digit means the minimum level, last digit means the highest level
P06	Wheel Diameter	Short press "+" or "-" to change the diameter.
P07	Speed measurement of magnetic steel in motor	Power increases from 0 - 100
P08	Speed limit 0-20mph (Note: the metric in speed limit setting is MPH)	Press "+" or "-" to increase or decrease

# SETTINGS

	Functions	Settings
P0g	Kick-Start: Pedal to taxi the bike until the speed reach 3KM/H, then press the throttle to accelerate Zero-Start: Directly press the throttle to accelerate	0: Kick start; 1: Zero start
P10	Drive mode	0: PAS Drive Mode (Assistance depends on PAS level, throttle is inactive) 1: Electric Drive Mode (Assistance is controlled by throttle, PAS is inactive) 2: PAS and Electric Mode ( Note: Electric mode is inactive when the bike is zero start)
p11	Assistance Sensitivity	Sensitivity increases from 1 to 24
P12	Assistance acceleration level	Power increases from 0 to 5
P13	The number of magnets	Do not chang
P14	Controller current limit	Range from 1-20A, default current is 12A
P15	Undervoltage value	Do not change
P16	ODO reset	Long press "+" for 5 secondsto reset the clear the ODO record

# MAINTENANCE

## Screw Tightening

1. Check the screws before first ride, and check them every few months to make sure they remain tight. The screws might be loosen by vibration caused by shipping, motor and riding on uneven road.
2. Use the allen key to tighten the screws on the bike.

## Cleaning

1. Use a soft and wet cloth to wipe the frame.
2. Do not wash the bike with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These substances may damage the appearance and internal structure of your bike.
3. Do not wash your bike with a power washer or hose.



### WARNING!

Before cleaning, make sure the bike is POWERED OFF, the charging cable is unplugged and the cap on the charge port is tightly sealed. Otherwise you may damage the electronic component which is not covered by the warranty.

## Storage

1. Store your bike in a cool and dry place. The storage temperature needs to be between 10°C - 25°C (50°F - 77°F).
2. Keep the bike and battery away from heat or fire, failure to do so may result in serious injury or death.

## Charging

1. Charge the bike fully after every ride. This will prolong the battery life.
2. If not used, charge bike fully once a month. Do not drain the battery completely.
3. Do not leave your bike undercharged for over 48 hours. This may damage the battery and is not covered by warranty.
4. Do not use chargers that are not sold and approved.
5. Do not charge or use battery if it is damaged or see trace of water.



### WARNING!

Do not expose the bike to sunlight and extreme temperature (both hot and cold) for extended period of time. It may damage the battery life and accelerate the aging of plastic and silicon components.

## Battery

1. The ideal battery level is 70% for long term storage.
2. Do not charge or store the battery outside the temperatures limits.
3. Refer to your local laws and regulations to recycle or dispose the battery.
4. When used at temperature 22°C/70°F, the battery performance is at its best; whereas using it at temperatures below 0°C/32°F can decrease the range and performance.
5. Typically, at -4°F (-20°C) range can be half that of the same battery at 70°F (22°C). Battery range will recover when temperature rises.
6. Completely draining the battery may cause permanent damage to the battery. Damage caused by over-charging or under-charging will not be covered by the Limited Warranty.



### WARNING!

Do not attempt to disassemble the battery. Do not touch battery contacts. Do not dismantle or puncture the casing. Keep the battery contacts away from metal objects to prevent short circuit, risk of fire and electric shock.

# MAINTENANCE

Regular inspection and maintenance are key to ensure bike function as intended, and to reduce wear and tear on their systems. Recommended service intervals are meant to be used as guidelines. Real-world wear and tear, and the need for service will vary with conditions of use. We recommend inspections, service, and necessary replacements be performed at the time or mileage interval that comes first in the following table.

Interval	Inspect	Service	Replace
Weekly, 100-200 mi (160-321km)	<ul style="list-style-type: none"> <li>- Check the drivetrain for proper alignment and function (including the chain, freewheel, chain ring, and derailleur).</li> </ul>	Clean frame by wiping frame down with damp cloth. Use barrel adjuster(s) to tension derailleur/brake cables if needed.	Replace any components confirmed by a certified reputable bike mechanic
Monthly 250-750 m (402-1207 km)	<ul style="list-style-type: none"> <li>- Brake pad alignment, brake cable tension.</li> <li>- Check bike is shifting properly, proper derailleur cable tension</li> <li>- Check chain stretch.</li> <li>- Check brake and shifter cables for corrosion or fraying</li> <li>- Check accessory mounting (rack mounting bolts, Fender hardware, and alignment)</li> </ul>	Clean and lubricate the drivetrain Check crankset and pedal torque Clean brake and shift cables Check the battery	Replace brake and shift cables if necessary Replace brake pads if necessary.
Every 6 Months, 750-1250mi (1207-2011km)	<ul style="list-style-type: none"> <li>-Inspect drivetrain (chain, chainring, freewheel, and derailleur).</li> <li>Inspect all cables and housings</li> </ul>	A standard tune-up by certified, reputable bike mechanic is recommended. Grease bottom bracket	Replace brake pads Replace tires if necessary Replace cables and housings if necessary

# TIRE INFLATION & REPLACEMENT

This ebike is 20" x 4" rubber tires with inner tubes. The tires are designed for durability and safety for regular cycling activities and need to be checked before each use for proper inflation and condition. Proper inflation, care and timely replacement will help ensure that your bike's operational characteristics will be maintained, and unsafe conditions avoided.

- We recommend 20 PSI for the stock tires. Always stay within the manufacturer's recommended air pressure range as listed on the tire sidewall.
- It is critically important that proper air pressure is always maintained in pneumatic tires. Do not underinflate or overinflate. Low pressure may result in loss of control, and overinflated tires may burst. Failure to always maintain the air pressure rating indicated on pneumatic tires may result in tire and/or wheel failure.
- Inflate your tires from a regulated air source with an available pressure gauge. Inflating your tires from an unregulated air source could overinflate them, resulting in a burst tire.
- Even tires equipped with built-in, flat-preventative tire liners, like those that come with bikes from us, can and do get flats from punctures, pinches, impact, and other causes. When tire wear becomes evident or a flat tire is discovered, tires and/or tubes must be replaced before operating the bike or injury to operators.
- When changing a tire or tube, ensure that all air pressure has been removed from the inner tube prior to removing the tire from the rim. Failure to remove all air pressure from the inner tube could result in serious injury.

# SAFETY CHECKLIST

Before every ride, and after every 25-45 miles(40-72 km), we advise following the pre-ride safety checklist.

Safety Check	
1.Brakes	Ensure front and rear brakes work properly. Check brake pads for wear and ensure they are not overworn. Ensure brake pads are correctly positioned in relation to the rims. Ensure brake cables are lubricated, correctly adjusted, and display no obvious wear. Ensure brake levers are lubricated and tightly secured to the handlebar. Test that the brake levers are firm and that the brake, and the brake light are functioning properly
2. Wheels and Tires	Ensure tires are inflated within the recommended limits posted on the tire sidewalls and hold air. Ensure tires have good tread, have no bulges or excessive wear, and are free from any other damage. Ensure rims run true and have no obvious wobbles, dents, or kinks. Ensure all wheel spokes are tight and not broken. Check axle nuts and front wheel quick release to ensure they are tight. Ensure the locking lever on the quick-release skewer is correctly tensioned, fully closed, and secured.
3. Steering	Ensure the handlebar and stem are correctly adjusted, tightened, and allow proper steering. Perform a handlebar twist test (see assembly step 4) to ensure the stem clamp bolt security. Ensure the handlebar is set correctly in relation to the fork and the direction of travel
4. Chain	Ensure the chain is clean, oiled, and runs smoothly. Extra care is required in wet, salty/otherwise corrosive, or dusty conditions.
5. Bearings	Ensure all bearings are lubricated, run freely, and display no excess movement, grinding, or rattling. Check headset, wheel bearings, pedal bearings, and bottom bracket bearings
6. Cranks and Pedals	Ensure pedals are securely tightened to the cranks. Ensure the cranks are securely tightened and are not bent
7. Derailleur and Mechanical Cables	Check that the derailleurs are adjusted and functioning properly. Ensure the shifter and brake levers are attached to the handlebar securely. Ensure all shifter and brake cables are properly lubricated
8. Frame, Fork, and Seat	Check that the frame and fork are not bent or broken. If either frame or fork are bent or broken, they should be replaced. Check that the seat is adjusted properly, and seat post quick release lever is securely tightened
9. Motor Drive Assembly and Throttle	Ensure hub motor is spinning smoothly and motor bearings are in good working order. Ensure all power cables running to hub motor are secured and undamaged. Make sure the hub motor axle bolts are secured and the torque arm, torque arm bolt, and torque washers are in place.
10. Battery	Ensure battery is charged before use. Ensure there is no damage to battery. Lock battery to frame and ensure that it is secured. Charge and store bike and battery in a dry location, between 50°F-77°F(10°C-25°C). Let bike dry completely before using again.
11. Electrical Cables	Look over connectors to make sure they are fully seated and free from debris or moisture. Check cables and cable housing for obvious signs of damage. Ensure headlight, taillight, and brake light are functioning, adjusted properly, and unobstructed
12. Accessories	Ensure all reflectors are properly fitted and not obscured. Ensure all other fittings on bike are properly secured and functioning. Ensure rider is wearing a helmet and other required riding safety gear. Ensure mounting hardware is properly secured if fitted with a front rack, rear rack, basket, etc. Ensure the taillight and taillight power wire are properly secured if fitted with rear rack. Ensure the fender mounting hardware is properly secured if fitted with fenders. Ensure there are no cracks or holes in fenders. Ensure the optional rear wheel lock is secured in the unlocked position and the key is removed before every ride.

# TROUBLESHOOTING

		Possible Causes	Most Common Solutions
1	The bike does not work	<ol style="list-style-type: none"> <li>1. Insufficient battery power</li> <li>2. Faulty connections</li> <li>3. Battery not fully seated in tray</li> <li>4. Improper turn-on sequence</li> <li>5. Brakes are applied</li> <li>6. Blown discharge fuse</li> </ol>	<ol style="list-style-type: none"> <li>1. Charge the battery</li> <li>2. Clean and repair connectors</li> <li>3. Install the battery correctly</li> <li>4. Turn on bike with proper sequence</li> <li>5. Disengage brakes</li> <li>6. Replace discharge fuse</li> </ol>
2	Irregular acceleration and/or reduced topspeed	<ol style="list-style-type: none"> <li>1. Insufficient battery power</li> <li>2. Loose or damaged throttle</li> <li>3. Misaligned or damaged magnet ring</li> </ol>	<ol style="list-style-type: none"> <li>1. Charge or replace battery</li> <li>2. Replace throttle</li> <li>3. Align or replace magnet ring</li> </ol>
3	The motor does not respond when the bike is powered on	<ol style="list-style-type: none"> <li>1. Loose wiring</li> <li>2. Loose or damaged throttle</li> <li>3. Loose or damaged motor plug wire</li> <li>4. Damaged motor</li> </ol>	<ol style="list-style-type: none"> <li>1. Repair and or reconnect</li> <li>2. Tighten or replace</li> <li>3. Secure or replace</li> <li>4. Repair or replace</li> </ol>
4	Reduced range	<ol style="list-style-type: none"> <li>1. Low tire pressure</li> <li>2. Low or faulty battery</li> <li>3. Driving on hills, headwind, braking, and excessive load</li> <li>4. Battery discharged for a long period without regular charges, aged, damaged, or unbalanced</li> <li>5. Brakes rubbing</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust tire pressure</li> <li>2. Check connections or charge battery</li> <li>3. Assist with pedals or adjust route</li> <li>4. Balance the battery; contact tech support if range decline persists</li> <li>5. Adjust the brakes</li> </ol>
5	The battery does not charge	<ol style="list-style-type: none"> <li>1. Charger is not well connected</li> <li>2. Charger is damaged</li> <li>3. Battery is damaged</li> <li>4. Wiring is damaged</li> <li>5. Blown charge fuse</li> </ol>	<ol style="list-style-type: none"> <li>1. Adjust the connections</li> <li>2. Repair or replace</li> <li>3. Replace charge fuse</li> </ol>
6	Wheel or motor makes strange noises	<ol style="list-style-type: none"> <li>1. Loose or damaged wheel spokes or rim</li> <li>2. Loose or damaged motor wiring</li> </ol>	<ol style="list-style-type: none"> <li>1. Tighten, repair, or replace</li> <li>2. Reconnect or replace motor</li> </ol>

# SPECIFICATIONS

ITEM	SPECIFICATIONS
Model	DM500
Product Dimensions	174×63×128 (cm)
Package Dimensions	148×30×72 (cm)
Max Load	330 lbs (150kg)
Min Load	65KG
Package Weight	8g lbs (40.5kg)
Product Weight	70.5 lbs (32kg)
Max Speed	20MPH
Charger manufacturer:	Guangzhou Ji Yin Power Electronics Co Ltd
Charge model	JY-546200
Battery model	JT-EBB13-23
Battery/Charger	Input 100-240V 50/60HZ AC Plug; Output 54.6V 2A
Charge Temperature Range	0°~40°
Operating Temperature Range	0°~45°
Pure Electric Mode	45 – 50km(65kg rider by 25km/h speed)



Max Angle of Climb	14 degrees
Charging Time	7-8 hours
Tire Pressure	20 PSI
Bell/Horn	Electric Horn Installed
Frame Material	Aluminum alloy
IP Level	Ip×4

## WARNING

- When using this product, basic precautions should always be followed, including the following:

- a) Read all the instructions before using the product.
- b) To reduce the risk of injury, close supervision is necessary when the product is used near children.
- c) Do not put fingers or hands into the product.
- d) Do not use this product if the flexible power cord or output cable is frayed, has broken insulation, or any other signs of damage.
- e) For all equipment, the instructions shall indicate "This equipment is not intended to be used at ambient temperatures less than 0° or above ambient temperatures of 45°C. The blanks are to be filled in with the manufacturer's specified ambient temperature ratings.
- f) For all equipment, the instructions shall indicate "The battery is intended to be charged when the ambient temperature is between 0° and 40°. Never charge the battery when ambient temperatures are outside this range." The blanks are to be filled in with the manufacturer's specified ambient temperature range for charging.

## Avertissement

- lors de l'utilisation de ce produit, les précautions de base doivent toujours être suivies, y compris les suivantes:

- A) lisez toutes les instructions avant d'utiliser le produit.
- B) pour réduire le risque de blessure, une surveillance étroite est nécessaire lorsque le produit est utilisé près des enfants.

C) ne mettez pas les doigts ou les mains dans le produit.

D) n'employez pas ce produit si le cordon d'alimentation flexible ou les câbles de sortie s'effilochent, a l'isolation cassée, ou tout autre signe de dommages.

E) pour tous les appareils, les instructions doivent indiquer: «cet appareil n'est pas destiné à être utilisé à des températures ambiantes inférieures à 0° ou supérieures à des températures ambiantes de 45°C. Les ébauches doivent être remplies avec les valeurs de température respectives spécifiées par le fabricant.

F) pour tous les équipements, les instructions doivent indiquer «la batterie est destinée à être chargée lorsque la température ambiante est comprise entre 0° et 40°. Ne chargez jamais la batterie lorsque la température ambiante est en dehors de cette plage.» Les blancs doivent être remplis avec la plage de température ambiante spécifiée par le fabricant pour le chargement.

**IMPORTANT SAFETY INSTRUCTIONS” and “SAVE THESE INSTRUCTIONS**

