



 agm **GOCCIA**
USER MANUAL

Please read the user manual carefully before riding. This manual should also be attached to the vehicle after the vehicle is resold.

Instructions for use of the AGM Goccia GEV1000.
Version 2020v1

Check for the latest information our website: www.agm-goccia.nl

Catalogue

1	Safety Warning	5
2	Name of main parts of vehicle	6
3	Function of the meter and each button	8
4	Use and charge of battery	11
5	Remote control	14
6	Check before riding	15
7	Regular inspection, maintenance, and repair	16
8	Warranty	17
9	Vehicle Specification Table	19
10	Failures and solutions	20
11	Registration of maintenance	21

1. Safety Warning

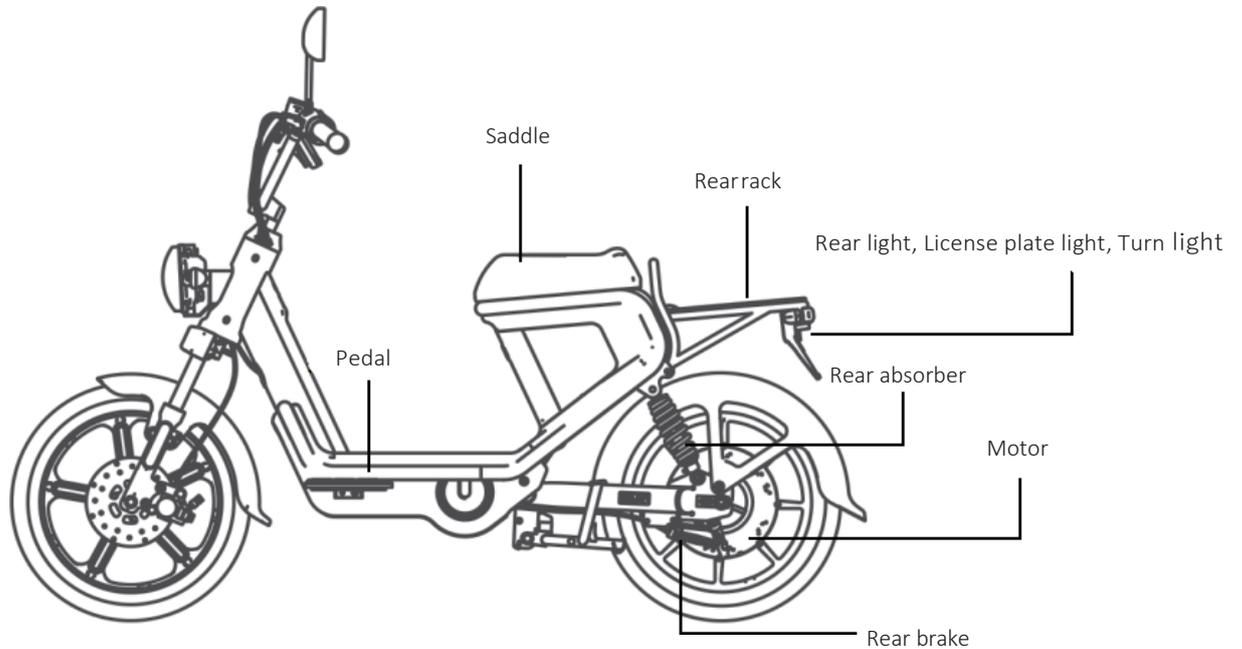
Before riding the vehicle you must know the following points:

- Must fully understand the operation method of the vehicle.
- Understand the warnings, cautions, and regulations in the manual.
- Mopeds should carry people or goods in accordance with laws and regulations.
- When riding on rainy or snowy days the braking distance will be prolonged. Be careful about steering in severe weather such as heavy rain
- Please avoid using third-party accessories and avoid disassembling, cracking, or modifying the vehicle without authorization. The losses caused by this will be borne by you and you will lose our warranty.

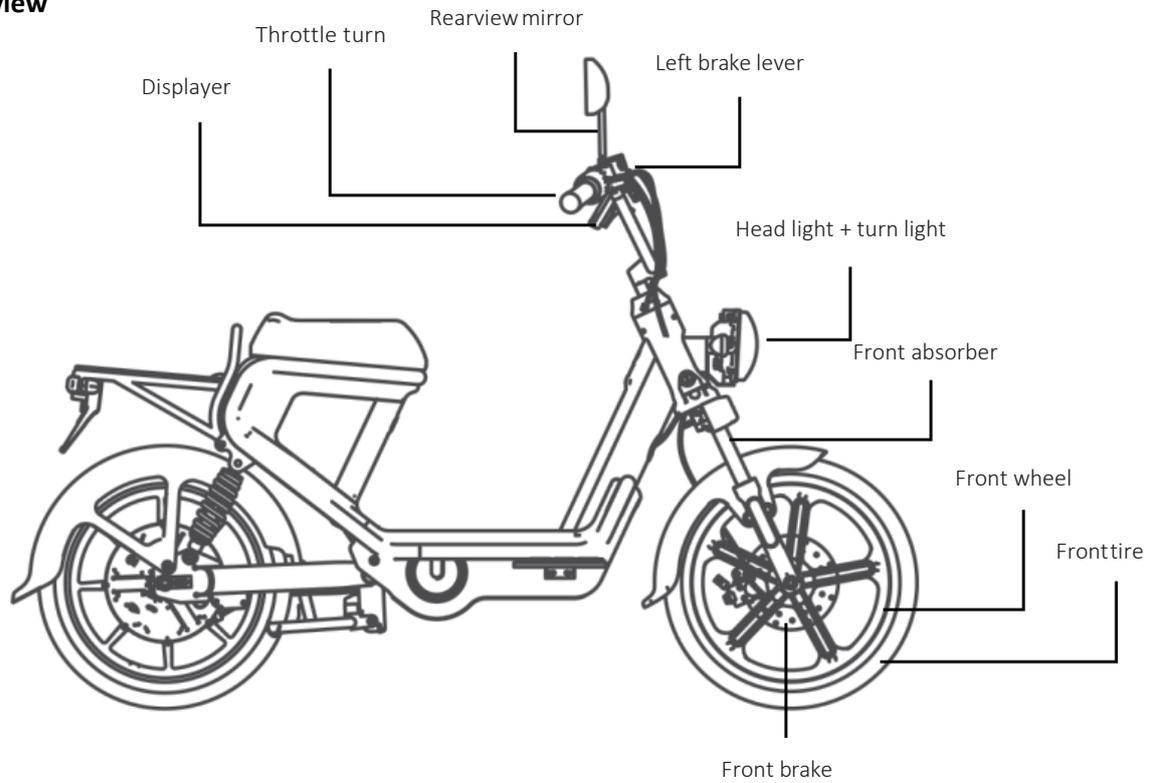
Note: All materials, pictures, and technical parameters in this manual use the latest products at the time of publication. As product changes will lead to changes in technical parameters and performance enhancements.

2. Name of main parts of vehicle

Left side view

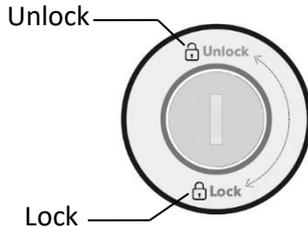


Right side view



3. Function of the meter and each button

Rudder lock



Lock

In this position, the steering rudder can be locked, the vehicle cannot drive normally, the key can be removed.

To lock the rudder

1. Turn the vehicle rudder to the left to the bottom.
2. The key will be inserted into the rudder lock.
3. Turn the key to [Lock] position at the position of [Unlock].
4. Remove the key.

To open the rudder lock

1. Insert the key into the rudder lock
2. Turn the key to [UnLock] position
3. Remove the key

Warning Do not turn the key to the [Lock] position while the vehicle is running, otherwise it will cause the vehicle to lose control or accidents. Whether the steering rudder is locked or not, the key must be removed during use.

Indicator lights and warning lights



This indicator starts to flash

1. Turn indicator
2. High beam indicator
3. Low beam indicator
4. Ready
5. Vehicle fault light
6. Battery warning light

Direction indicator



When pushing the turn signal switch to the left or right.

High beam indicator

When the headlight uses a high beam, this indicator lights up.

Low beam indicator

When the headlight uses a low beam light, this indicator lights.

Ready

Lights up when starting up, indicating that the vehicle is working properly and can be ready to ride.

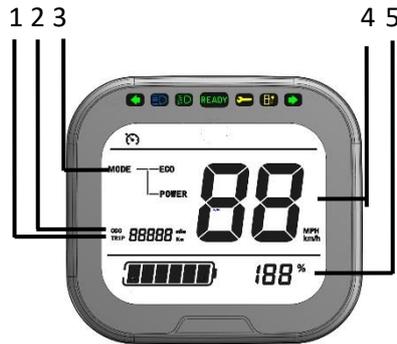
Vehicle fault light

The electronic circuit detects that the vehicle is not working properly, and this warning light will stay on. When this phenomenon occurs, please contact your AGM Goccia dealer for system diagnosis.

Battery warning light

This indicator light indicates that the battery is low, you need to use the charger to charge the battery.

Multifunctional LCD instrument



1. TRIP (Interval meter)
2. ODO (odometer)
3. Mode indication
4. Speedometer (error code)
5. Remaining battery

This multifunctional LCD instrument has the following function modes:

▪ Interval meter (TRIP)

Displays the distance traveled during your current trip.

▪ Odometer (ODO)

Displays the total distance traveled by the vehicle.

Tip: When the vehicle is stopped, pinch the rear brake grip, and then quickly turn the throttle handle twice to make the TRIP and ODO on the instrument switch.

▪ Mode indication

Displays the driving mode of the vehicle, the 2 options are ECO and Power mode.

▪ Speedometer (faultcode)

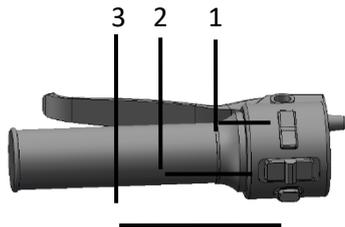
The real-time speed of the vehicle is displayed while riding. When the vehicle fails, the vehicle fault code will flash.

■ Remaining battery

Displays the percentage of power remaining in the battery.

Left combination switch

Left hand open



1. Far and near light switch
2. Turn signal switch
3. Horn button

Right handle switch



1. Lighting switch
2. Mode switch

Far and near light switch /

Push the switch to  or high beam; push to  Low beam

Turn signal switch /

Push the switch to , make the right direction light flash; Push the switch to  to make the left direction light flash. If you want to cancel the blinking of the direction light, you can move the switch back to the middle position.

Horn button

Press this button to make the speaker sound.

Mode switch

Press this button to switch the vehicle's driving mode between ECO and Power.

Rear brake grip



The rear brake grip is located on the left handle, and grasp the grip in the direction of the handle to make the rear wheel brake.

Front brake grip



The front brake grip is located on the right handle. Grasp the grip in the direction of the handle to make the front wheel brake.

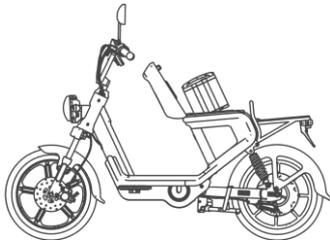
4. Use and charge of battery

Battery installation and use



Use the bucket key to open the bucket and make sure the main power switch is in the ON position.

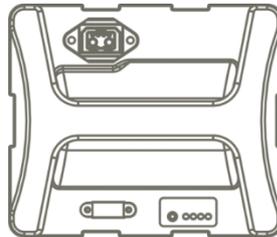
Tip: When you are not using the vehicle for a long time, you should turn the power switch to the OFF position.



Then put the battery into the battery compartment and insert the discharge. Insert the seat into the discharge port on the battery, replace the seat cushion, and confirm that the seat barrel lock has been locked.

Warning It is strictly forbidden to short circuit the battery fuse. Non-maintenance personnel are strictly prohibited from wiring the discharge cables;

Description of battery power indicator:



1. In the charging state, the indicator will show the current power.

2. In the non-charging state, pressing the battery indicator will display the level of charge. If the indicator shows red and flashes this indicates that the battery is low, the battery should be charged at this time.

Battery usage environment

- The ambient temperature of the battery is $-20 \sim 60^{\circ}\text{C}$. Try to avoid getting water, drinks and corrosive liquids into the battery.
- Don't put the battery near fire sources and flammable and explosive gas liquids, otherwise it may cause deflagration or explosion.
- If the battery has a strange smell, heat, deformation during use, please stop using it immediately and contact

your AGM Goccia dealer for inspection and repair.

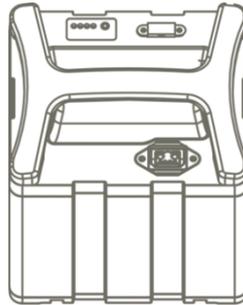
Battery maintenance

- If you don't use your battery for a long time, please charge your battery regularly to keep the power above 50%. If the battery power is lower than 20% for a long time, it may cause the battery to lose power and cause irreversible attenuation to the battery capacity.
- The battery is a consumable, and the capacity will naturally decay during use. When you feel that the cruising range can't meet the demand for using, you should replace it.
- If you encounter battery failure, please contact your AGM Goccia dealer for repair and replacement. Don't disassemble the battery without permission,

otherwise it may cause the battery to generate heat and smoke, which may seriously cause fire or explosion.

Note After replacing the battery, do not disassemble the used battery without authorization, it should be recycled by the relevant professional departments.

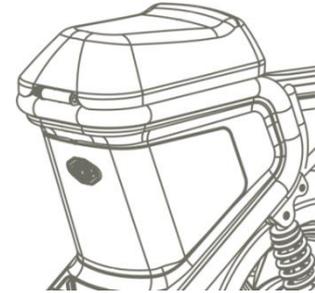
Charging mode selection



External charging mode

After pulling the battery out of the seat bucket, you can insert the charging head into the charging

interface for external charging. At this time, the battery power indicator will light up and display the battery power.



Vehicle charging mode

You can also insert the charging head directly into the vehicle charging port located at the front of the bucket to charge the vehicle. The instrument panel will light up and display the battery power.

Battery charging method and environment

Before using the charger please check whether the rated input voltage (AC 100-240 V) of the charger is always the same as the grid voltage. Connect the charger's output plug to the battery's charging jack before connecting the charger's input. The plug is connected to AC power, and the power indicator is red. This procedure cannot be reversed.

When the charging indicator is red, the battery is charging; when the green light is on the battery is fully charged.

The lithium battery used by AGM Goccia is maintenance-free. The ambient temperature during charging should be between 0 °C ~ 35 °C, and the humidity should be lower than 90%. Exceeding the

range may affect the charging time, capacity and life of the battery.

Warning

When the charger is working, please keep it in a safe where children can't touch it, and don't cover anything on the surface

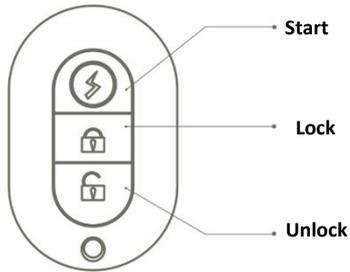
Be sure to use the original charger, otherwise it may cause a short circuit of the battery, which will seriously cause damage to the battery.

The charger contains a high-voltage circuit. Do not disassemble it by yourself.

When changing the charger, it should match the model of the battery.

5. Remote Control

The AGM Goccia has a one-key start function, you only need to use the remote control to start the vehicle.



Unlock the vehicle

When you press the unlock button on your remote control, the power button on the vehicle will light blue, the vehicle is unlocked successfully.

blinking state, and then press the lock button on the remote control, the vehicle will be locked.

Start the vehicle (key-less)

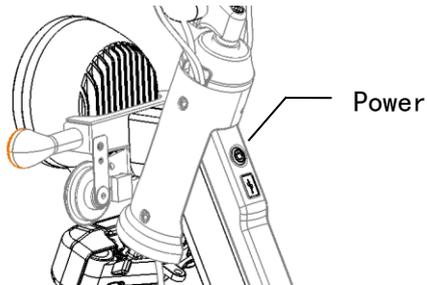
Press the start button twice on your remote control when the vehicle is unlocked. The vehicle is now powered, then press the mode button on your handle bar. You can ride by turning the throttle handle.

Start the vehicle

Press the power button on the vehicle, it will be flashing. The vehicle is now powered, then press the mode button on your handle bar. You can ride by turning the throttle handle.

Lock the vehicle

When you finish riding, press the power button on the vehicle to switch from the steady light to the



6. Check before riding

Before each ride, the vehicle should be checked to ensure that the vehicle can be operated in a safe state. Please make sure to follow the inspection and maintenance specifications described in the instruction manual and maintenance manual. Before riding the vehicle, please check the following:

Warning If the vehicle is not properly inspected and maintained, it will increase the chance of accidents or damage to components. Once any problem is found, you must not ride the vehicle. If the problem cannot be solved in this manual, please find the nearest AGM Goccia dealer for repair and inspection.

Inspection of power circuits and lights

1. Turn on the power, operate the lighting switch, check whether the front and rear lights are on, and whether the light intensity of the front lights is normal.
2. Check the front and rear brake levers separately to see if the brake power-off function is normal.
3. Check the lighting device for damage. In order not to affect the safe driving, please check carefully.

Inspection of front and rear brakes

Use the front and rear brake handles for braking, and check whether the braking effect is normal.

Inspection of handlebars and front and rear wheels

1. Swing the handlebar up, down, left and right, check for looseness and make sure that

the rudder is unlocked.

2. Turn the handlebar and check for overtightening.
3. Check whether the front and rear wheel.

Inspection of tires

1. Determine whether the air pressure of the tire is appropriate according to the depression of the part where the tire touches the ground. When abnormal air pressure is detected, use a barometer to measure and adjust to normal.
2. Check the tire for cracks and excessive wear (the tread height on the tire is less than 2mm). If so, you should go to your AGM Goccia dealer to replace the new tires in time.

Inspection of reflectors and license plates

1. Check the side reflector and rear reflector for dirt and damage. If there is, it should be cleaned or re-placed in time.
2. Check whether the license plate is installed securely, the number is clear, and there is no dirt and damage.

Cleaning attention

- When cleaning the vehicle, don't directly pour water on the brake drum, motor, and front and rear axles to prevent water from influencing the performance and life.
- When cleaning, don't use steam or high-pressure water.

7. Regular inspection, maintenance and repair

Regular maintenance can keep your vehicle in a safe and efficient condition. Maintaining safety is the responsibility of the owner. Below we explain the inspection and adjustment points of the vehicle, the important periodic maintenance inspection items are:

Brake

Driving on dry and level roads, use the front and rear brakes separately to check the braking effect.

Front brake adjustment

If you find that the front brake is not effective or there is a problem please contact your AGM Goccia dealer. Because the front brake is a liquid press brake personal repair is not recommended.

Rear brake adjustment

If you find that the rear brake is too loose you can turn the drum brake nut on the left side of the rear wheel in the direction of the car (clockwise). At the same time, hold the left brake lever with the left hand to check the tightness. We warn you that if you tighten the brake too much this can damage to brake and the engine. If you are not comfortable with adjusting it yourself go to your AGM Goccia dealer.

Note Regularly observe the degree of wear of the brake pads of the front and rear brakes, if the brake pads are worn too much. Please go to the service outlet to replace the brake pads in time.

Tires

Tires connect your vehicle to the road. They are an important part of safety, durability and ride

quality. Make sure your tire pressure is correct. The recommended tire pressure is 2.2 bar.

Absorbers

Regularly check whether the shock absorber can normally compress and rebound and whether the shock absorber cylinder has oil leakage and cracks. If the above situation occurs, please go to your AGM Goccia dealer to replace the shock absorber.

Maintenance schedule

The new scooter must be subject to the first inspection and maintenance at your AGM Goccia dealer when it reaches 1,000 km or two months (whichever comes first). The scooter is recommended to be subject to regular inspection and maintenance at your AGM Goccia

dealer every 3,000 km or six months (whichever comes first).

Storage of the AGM Goccia

Short time

Please store the vehicle in a dry and cold place and cover with a dust cover if necessary to block dust.

Long time

1. Unplug the power socket on the battery and take out the battery.
2. Set the main power switch to the Off position.
3. Lubricate all control cables, grips and double braces. In addition rotate the tire once a month, do not stay in the same position to avoid the deterioration of the tire because it is fixed in a certain point.

4. Store the battery separately in a dry and cold place. Please read the paragraph regarding the maintenance of the battery carefully.

8. Warranty

The warranty of the manufacturer consists of a cover on the parts and warranty on the battery.

The warranty consists of replacing the broken parts and a motor warranty on the complete electric engine.

The manufacturer's warranty does not cover damage as a result of normal use, improper use, collisions, lack to maintenance, storage and transport, theft and vandalism, overload and environmental and natural disasters.

The manufacturer does not guarantee tires, friction material, fuses, rubbers, brake pads, cables, plastic work, chrome parts, rust and damage to the paint, unless otherwise established.

Any wages are not covered by the guarantee and is therefore not reimbursed.

The AGM Goccia should always be serviced at an accredited AGM Goccia dealer and subjected to the maintenance schedule.

The warranty is valid for 24 months or 12,000 km, whichever comes first.

Warranty only applies if all warranty conditions are met, which occur under normal use and if a warranty claim has been reported to the manufacturer within the warranty period.

If all warranty conditions are met, AGM Goccia gives a guarantee on the broken part and not on a complete vehicle.

Battery warranty

Separate warranty conditions apply to the lithium-ion batteries. The Battery warranty applies. This warranty conditions covers the cost of repair or replacement of the battery under the following conditions.

If there is a warranty the battery will be repaired or replaced with battery that has the same capacity as the original battery.

The warranty is valid for 24 months or 12,000 km, whichever comes first.

Damage resulting from improper use, collisions and repairment of the battery by non-AGM Goccia technicians are not covered.

Like all other batteries they lose capacity during use over time. The loss of capacity due to the normal use over time is not covered battery warranty.

Please consult the user manual for important information about extending the service life of the battery.

9. Vehicle specifications

Size: L x W x H	1710mmx690mmx1080mm
Wheel base	1190mm
Weight	54.5Kg
Max speed	25/45 km/h
Maximum load	150Kg
Battery type	Lithium-ion
Battery capacity	20Ah
Voltage	48V
Motor model	Rear hub motor
Rated outpower	1000w
Rated voltage	48V

10. Failures and solutions

Failure	Causes	Solutions
The Goccia has no power	Power switch not in right position Battery is not connected correctly Battery has low power	Put the Power switch in the on position Re-connect the battery plug Charge the battery
The Goccia does not accelerate	Brake handle is blocked Throttle handle failure	Place the brake handle at the right position. Change handlebar if damaged
Insufficient mileage or low speed	The battery is not fully charged Under inflated tire Heavily overloaded Brake pads interference Battery is aging or normal scrap	Charge the battery Check the tire pressure and inflate if needed Keep the appropriated load Check the brake system before driving Replace battery
Battery cannot be charged	The charger is not plugged in Ambient temperature too high or low	Check if the plug is loose Charge the battery in normal conditions

Fault code	Causes	Solutions
01	Engine hall element failure	Contact AGM Goccia dealer
02	Vehicle handle bar malfunction	Replace the handle bar
03	Controller failure	Contact AGM Goccia dealer
04	Failure of brake sensor	Replace the brake sensor
05	Engine phase loss	Contact AGM Goccia dealer
06	Undervoltage protection	Contact AGM Goccia dealer
07	Battery communication problem	Contact AGM Goccia dealer
CH	Charging	The battery is charging
30	Instrument communication failure	Contact AGM Goccia dealer

11. Registration of maintenance

No.	Date	Milage	Work performed	Dealer stamp
1				
2				
3				
4				

No.	Date	Milage	Work performed	Dealer stamp
5				
6				
7				
8				

No.	Date	Milage	Work performed	Dealer stamp
9				
10				
11				
12				

