

EMC2

Instruction book

EMC2产品说明书



CATALOGUE

Preface

Safety Precautions

1.Vehicle Structure

Product Diagram
Functional Overview

2.User Guide

Battery Installation
Charging Instructions
Starting and Driving
Driving Safety

3.Vehicle Specifications

FOREWORD

Dear NWOW User,

Thank you for choosing an NWOW electric vehicle. As advocates for eco-friendly transportation, we are dedicated to providing you with a safe, convenient, and efficient green travel solution. This electric vehicle not only boasts a stylish design but is also equipped with advanced battery technology and an intelligent control system to deliver a smooth and comfortable riding experience.

This manual will introduce you to the product's features, usage instructions, and key points for daily maintenance, helping you fully understand and correctly operate the electric vehicle. For your safety and the safety of others, please read this manual carefully before use, ensure all operations follow the guidelines, and conduct regular maintenance on your vehicle.

Thank you once again for your trust, and we hope this electric vehicle becomes your best companion for travel!

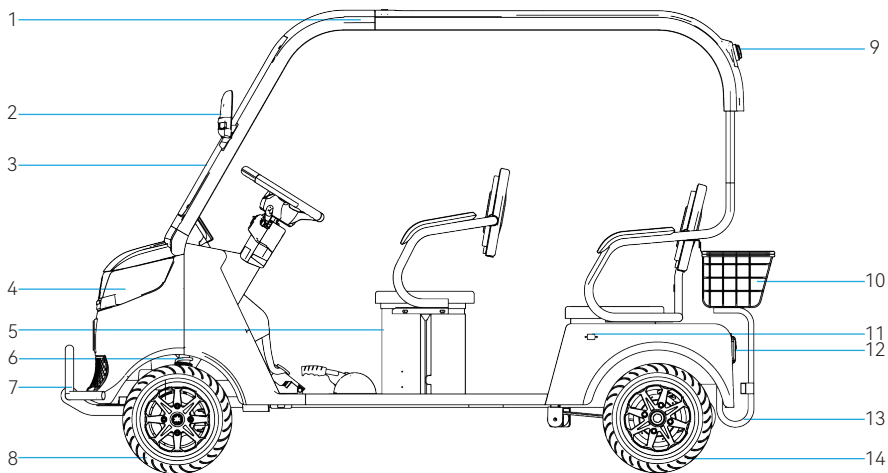
Safety precautions

Dear user friends, for the safety of you and your family, to prevent accidents, please be sure to carefully read and comply with the following safety precautions, otherwise all the consequences caused by you, the company will not be responsible.

- 1.You have the obligation to know the laws of your area and comply with relevant laws and traffic regulations.
- 2.Do not park your electric vehicle in areas such as building lobbies, stairs, corridors, emergency exits, or other places that block passageways.
- 3.It is prohibited to lend this vehicle to individuals who cannot operate it properly, to avoid accidents that may cause vehicle damage or personal injury.
- 4.Speeding, running red lights, and driving against traffic are prohibited.
- 5.Avoid prolonged stays on slopes. After parking, make sure to turn off the engine and pull the handbrake.
- 6.When driving at night, switch from high beam to low beam when approaching oncoming traffic or the vehicle ahead. High beams may temporarily dazzle other drivers, potentially causing collisions.
- 7.It is forbidden to carry lighters, propane tanks, perfume, or other flammable and explosive items in the vehicle. These items pose a safety hazard when the vehicle is exposed to high temperatures for extended periods.
- 8.If the vehicle malfunctions, try to gradually decelerate and pull over to the side of the road, turn on the hazard warning lights to alert other vehicles. Contact after-sales service promptly. Do not drive the vehicle until the abnormality is identified and repaired.

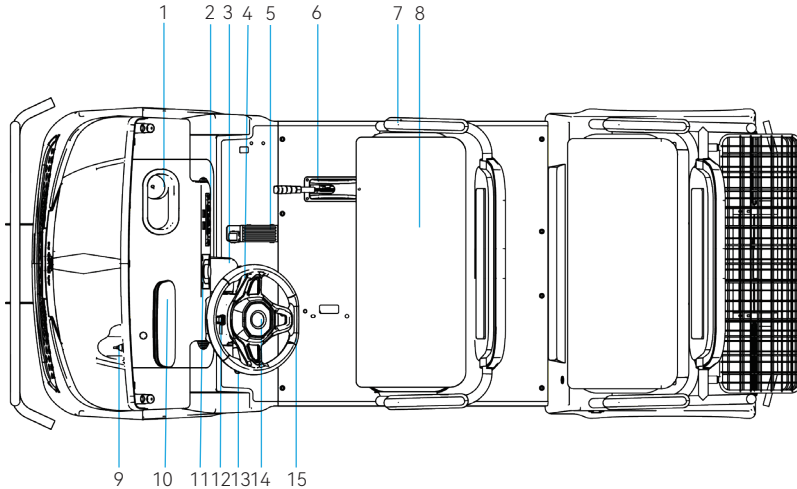
1-1Product draft

Complete vehicle structure



The images are for reference only and should be subject to actual conditions.

1.ceiling	6.hydraulic shock absorption	11.charging port
2.rearview mirror	7.front bumper	12.tail lamp
3.windscreen	8.front wheel	13.rear defense
4.headlamp	9.ceiling light	14.rear wheel
5.vehicle nameplate	10.condiment basket	



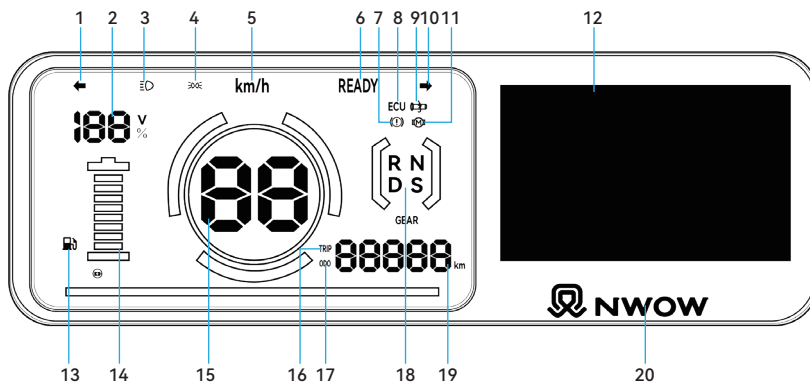
The images are for reference only and should be subject to actual conditions.

1.cup base	7.handrail	13.lighting control (3)
2.radio and Bluetooth sound control (2)	8.storage space under the seat	14.horn
3.accelerator	9.wiper	15.steering wheel
4.wiper control(4)	10.instrument panel(1)	
5.foot brake	11.center control	
6.handbrake	12.hazard warning flash (5)	

1-2Function introduction

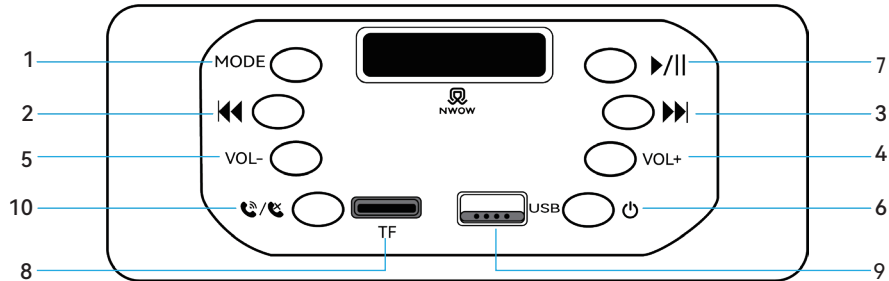
Complete vehicle structure

(1) Instrument panel



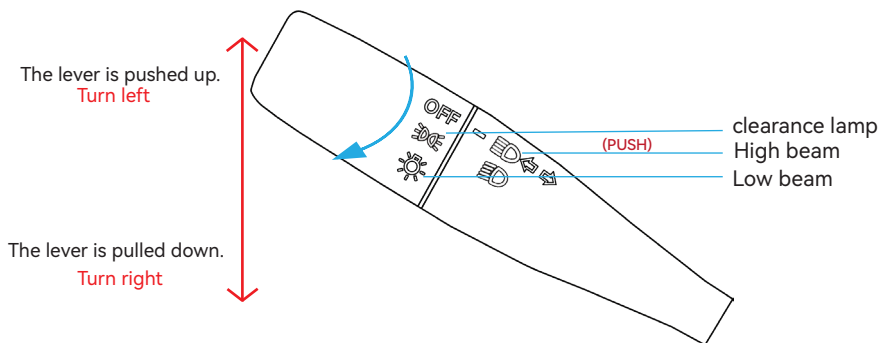
Serial Number	Name	Description
1	Left Turn Signal	Lights up and blinks when turning left.
2	Voltage/Battery Percentage	Displays the current battery charge and voltage percentage.
3	High Beam	Provides a wider range of illumination for night driving.
4	Outline Lamp	Used to remind of vehicle spacing control.
5	Kilometers/Hour	Shows the current speed of the vehicle, in kilometers per hour (km/h), updating in real-time with the speed change.
6	Start	The vehicle is ready to drive.
7	Brake power-off	This indicator light turns on when braking.
8	Controller Fault	The indicator lights up when there is a fault in the controller.
9	Handlebar/Throttle Fault	Lights up to indicate a possible fault with the handlebar or throttle.
10	Right Turn Signal	Lights up and blinks when turning right.
11	Motor Fault	Lights up to indicate a fault with the motor.
12	Reverse Image Display	The reverse image automatically displays when the reverse gear is engaged.
13	Charging Signal	Lights up to indicate charging is in progress; turns off to indicate no charging is occurring or the battery is fully charged.
14	Battery Level Display	Shows the remaining battery charge.
15	Speed Display	Shows the real-time speed of the vehicle.
16	Single Trip Mileage	Records and displays the total mileage of the current trip.
17	Total Mileage	Accumulates and displays the total mileage of the vehicle.
18	Gear Display	Shows the current gear position.
19	Kilometer Count	Displays the current mileage count.
20	LOGO Light	The brand logo light typically lights up when the vehicle is started or the dashboard is turned on.

(2)Radio and bluetooth sound control



Number	Symbol	Explanation
1	MODE	Mode switching, radio and Bluetooth
2	⏮	Switch to the previous song
3	⏭	Switch to the next song
4	VOL+	Turn up the volume
5	VOL-	Turn down the volume
6	⏻	Power switch
7	⏸/⏵	Pause or begin
8	TF	Mobile storage SD card
9	USB	USB charging port
10	📶/🔗	Radio/Bluetooth Audio

(3) Lighting control



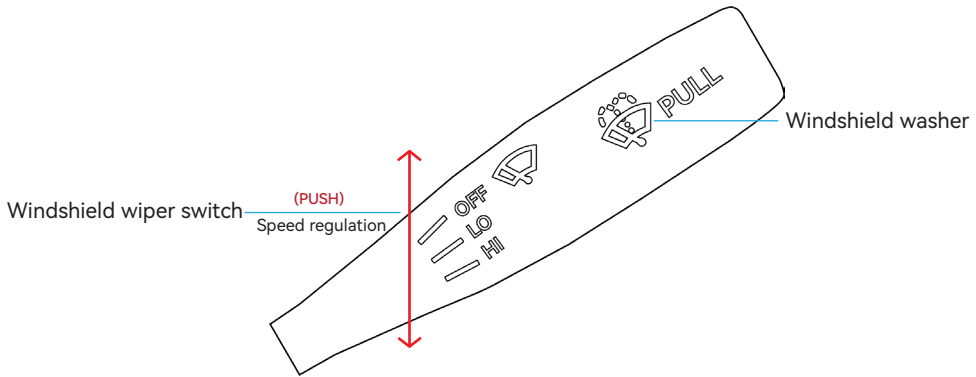
Name	Explanation
OFF	All lights are off
clearance lamp	Dashboard, location light, license plate light
Low beam	Near light and all above lights on
High beam	High beam and all above lights on (except near light)

Turn and lane change signals

Symbol	Explanation
↑	The lever is pushed up. Left turn signal light.
↓	The lever is pulled down. Right turn signal light.

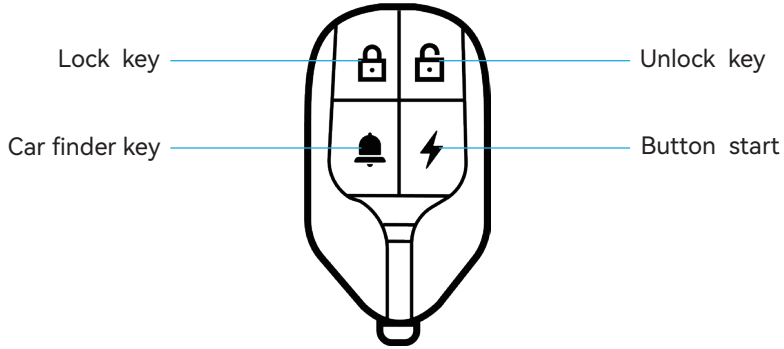
After completing the turn, return the control lever to the normal position and turn off the turn signal and instrument panel lights.

(4) Wiper control



Name	Explanation
Windshield wiper switch	push up and down to switch on/off and speed of wiper
Windshield washer	push front and back to switch on/off windshield water spray

(5) Security alarm



Lock key	Press  gently, and the anti-theft device will enter the anti-theft state.
Unlock key	Press  gently, and the anti-theft device will enter the disarmed state.
Button start	Press and double-click  gently, and the whole vehicle will enter the remote start state.
Car finder key	Press  gently, and the vehicle will respond.

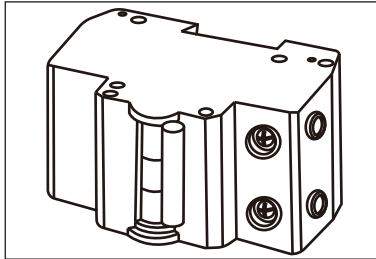


Attention:

The vehicle is equipped with an anti-theft alarm device. After the vehicle is locked, if it is moved by external force, the status light will flash and a continuous alarm sound will be emitted.

(6) Air circuit breaker

Toggle the air circuit breaker to the "ON" position, and the whole vehicle will be powered on.
Toggle it to the "OFF" position, and the whole vehicle will be powered off.

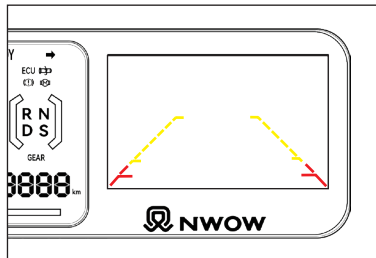


Tips:

1. It is recommended to turn off the air switch when you don't ride for a long time.
2. During maintenance, don't let the cable touch the metal body, otherwise a short circuit may occur and cause potential safety hazards.

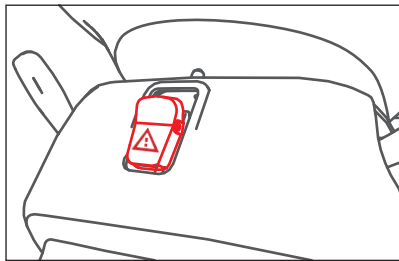
(7) Reverse image

When the vehicle is shifted into reverse gear (R gear) for backing up, the reverse image will automatically turn on to assist with reversing, and the vehicle will emit the "beeping" sound of the reversing radar.



(8) hazard warning flash

Press the hazard warning light, the headlights flash. (located in front of the steering wheel)

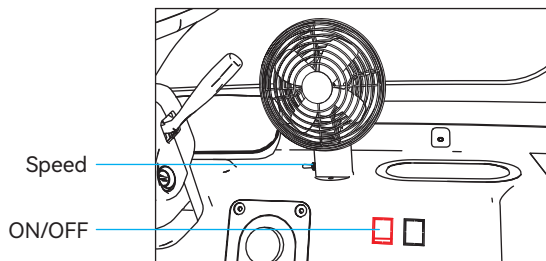


Caution

When a vehicle encounters an emergency situation such as a breakdown, accident, or medical emergency, and needs to stop and warn other vehicles, turn on the hazard warning lights.

(9) Fan

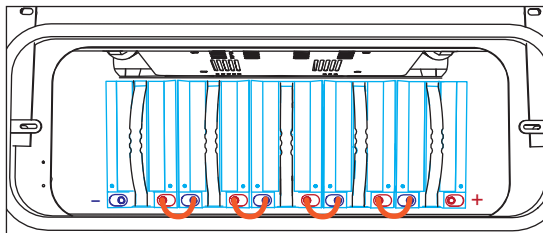
When the fan switch is turned on, the fan starts to work.



2-1 Battery Installation

Operating Instructions

Lead-acid Battery Installation

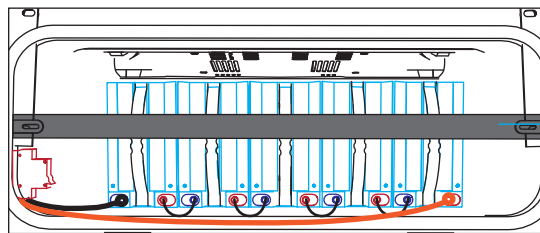


1. Place the batteries neatly as shown in the figure, with the wiring positions facing the front of the vehicle.

 **Attention:** The air switch should be in the OFF (disconnected) state before installation!

2. As shown in the picture, use the battery connecting wires to connect the five lead-acid batteries in series according to the order of positive pole, negative pole, positive pole, negative pole and positive pole.

 **Attention:** When installing the battery connecting wires, connect one end to the battery and hold the other end in the palm of your hand to prevent accidental contact and sparking.



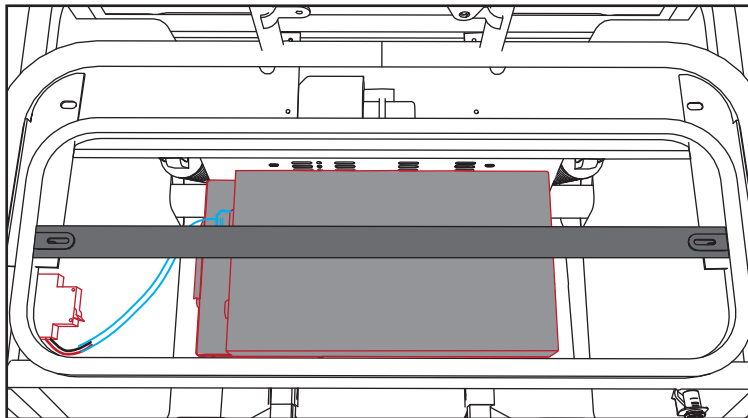
3. Distinguish the positive and negative wires of the air switch according to the wire colors. Connect the positive pole to the positive pole and the negative pole to the negative pole, and then connect the batteries to the whole vehicle.

 **Attention:** The screws need to be tightened manually with a screwdriver.
The wires of the air switch are fastened tightly without looseness.

4. Stick the foam on the battery fixing bar, and then tighten the battery fixing bar with M8 anti-loosening nuts.

 **Attention:** The batteries must not shake or wobble.

Lithium Battery Installation



- 1.As shown in the figure, put the lithium batteries into the battery compartment.
- 2.Connect the positive poles to the positive poles and the negative poles to the negative poles, and then connect the batteries to the whole vehicle.
- 3.stick the foam on the battery fixing bar. and then tighten the battery fixing bar with M8 anti-loosening nuts.



Note:

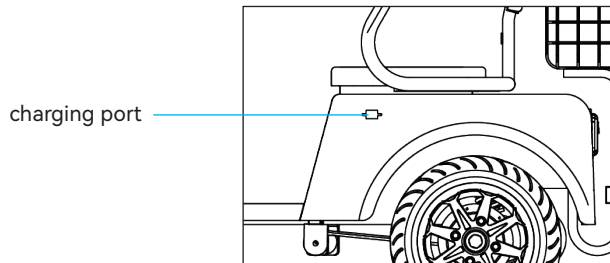
1. Do not discard used batteries at will, as it may cause environmental pollution. The after-sales service stations of our company are responsible for recycling them.
2. It is dangerous to install by yourself. During the installation process, it must be carried out by professional installers (designated outlets of our company). In case of any accident caused by private operation, the user shall bear all the consequences on their own.

2-2Charging Operation

Operating Instructions

Charging Operation:

1. Make sure that the air switch is in the "ON" position.
2. Open the flip cover of the charging port, insert one end of the charger into the charging hole first, and then plug the other end into the socket.
3. After the battery is fully charged, cut off the power supply from the socket first and then unplug the plug from the charging hole.



Note:

When the red light on the charger stays on constantly, it indicates that the battery is being charged. When the charging is completed, the green light will stay on constantly. Please cut off the power in time after the battery is fully charged.

Charging Precautions:

1. Do not let the on-board charger get wet during charging.
2. It is prohibited to disassemble the charger by yourself. This on-board charger is not suitable for charging other types of storage batteries.
3. It is prohibited to charge in high-temperature environments such as those under direct sunlight. The optimal charging environment temperature is between 0°C and 45°C.
4. During charging, please place the charger in a safe place where children cannot reach it.
5. If you smell an unusual odor, the temperature is too high, see sparks, or the charger indicator light still does not show that the battery is fully charged (green light) even after the charging time exceeds 8 hours during the charging process, you should immediately disconnect the power supply and stop charging, and send it to the company's service outlets for maintenance.
6. If the electric vehicle will not be used for a long time, please place it in a dry and ventilated place. And conduct a supplementary charge on the battery once a month. Each charging time should be 4 to 8 hours.

2-3 Starting and Driving

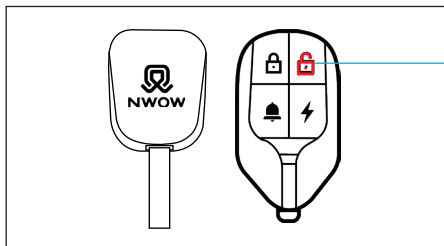
Operating Instructions



Pre – driving Inspection

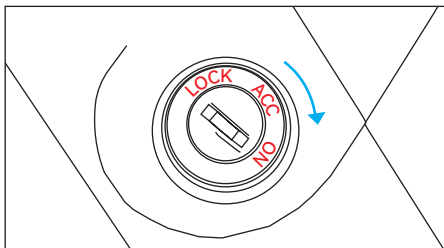
1. Check whether the power circuit, lighting circuit and other circuits are in normal condition.
2. Check whether the front and rear brake levers can work properly. Check whether the reflectors are damaged or contaminated.
3. The driver and passengers must fasten your seat belt and put on your safety helmet.
4. Check whether the battery energy is sufficient to support the required continuous driving mileage.
5. Check the tire pressure: Make sure the tire pressure is normal and whether the tires are excessively worn.
6. Inspect the whole vehicle. If there are any abnormalities (such as loose fasteners, damaged parts, etc.), please send it to our company's service outlets for maintenance in a timely manner.

Starting

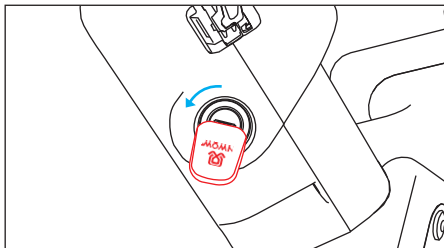


Power on:

1. Press  on the key to unlock the electric lock.



2. Insert the key into the electric lock switch, and turn it clockwise to the **ON** position to turn on the power.
At this time, the key can't be pulled out.

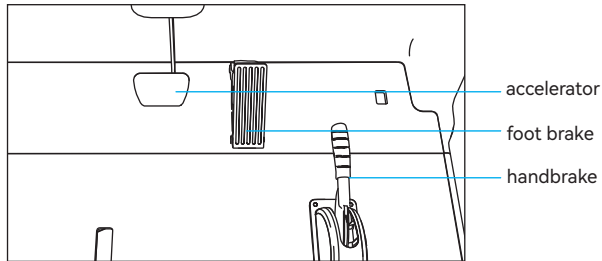


Power off:

3. Turn the key counterclockwise to the **LOCK** position to turn off the power.
At this time, the key can be pulled out.

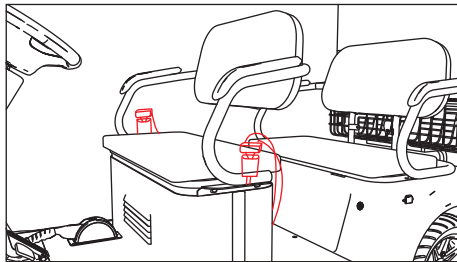
Driving operation

1) Brake and Speed



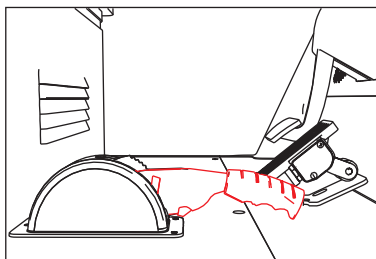
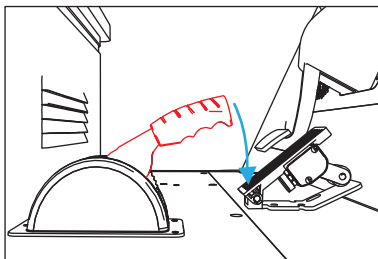
1. Press the accelerator pedal to accelerate
2. press the brake pedal to decelerate or stop the vehicle.

2) Seat Belt



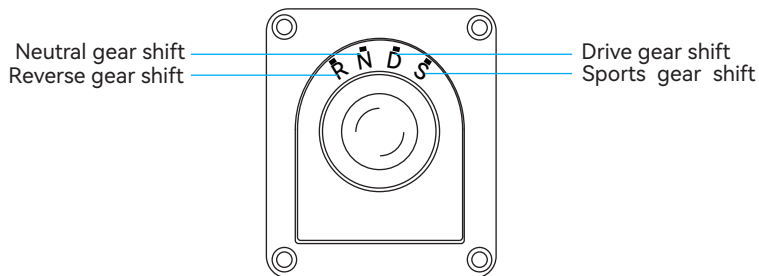
Drivers and passengers are requested to fasten their seat belts during the driving process.

3) Shift release handbrake start



Please release the parking brake before driving.

4) Center Console



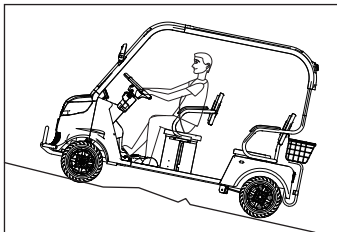
Symbol	Explanation
R	Reverse gear, and the reversing image will be automatically turned on.
N	Coast in neutral gear.
D	Power mode (with a maximum speed of 35 km/h).
S	Speed mode (with a maximum speed of 40 km/h).

2-4Driving safety

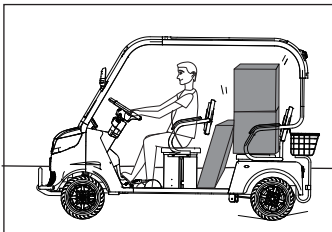
Operating Instructions



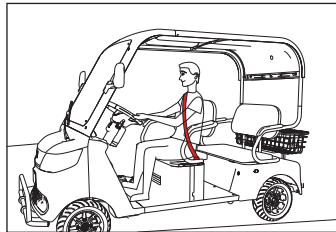
Driving safety



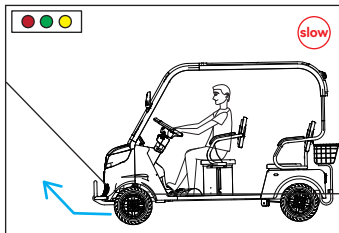
- ⚠ 1. Please start the vehicle smoothly on a flat road surface. Keep a low speed when going up or down slopes, avoid rapid acceleration or sudden braking to prevent the vehicle from overturning or sliding.



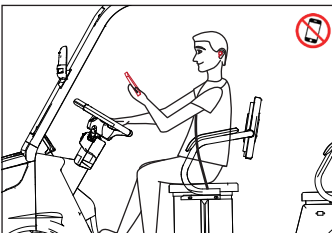
- ⚠ 2. Do not overload. Please carry people or items within the specified load capacity.



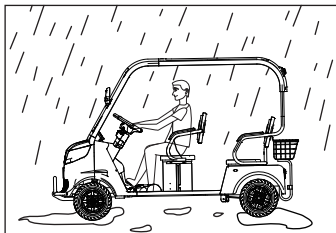
- ⚠ 3. Please hold the steering wheel firmly while driving, keep a safe distance from the vehicle in front, and wear your seat belt throughout the journey.



- ⚠ 4. Strictly abide by local road traffic regulations when driving. Slow down when passing through intersections or sharp turns and drive with caution.



- ⚠ 5. To avoid distractions, please do not use mobile phones, cameras, headphones, earplugs, etc. while driving.



- ⚠ 6. Please do not travel in severe weather such as heavy rainstorms.

Vehicle Specification Parameters

Specification Parameter Table	
Product Model	EMC2
Length * Width * Height	2650 * 1040 * 1720 mm
Overall Vehicle Load Capacity	300 kg
Overall Vehicle Mass	240 kg (excluding battery)
Wheelbase	1790 mm
Speed	40 km/h
Cruising Range	51 km (fully loaded)
Braking (Front / Rear)	Front and rear disc brakes
Tyre (Front / Rear)	130/60 - 10
Climbing Ability	$\leq 12^{\circ}$
Braking Distance	≤ 5 meters

Battery Type	lead – acid / lithium
Battery	60V45AH / 60V52AH
Input Volts	AC220V
Motor Type	Central – located differential motor
Motor Power	60V50H1200W
Capacity	1200W
Controller	Permanent – magnet controller 60V18T45A
Undervoltage Protection Value	52.5V
Over – current Protection Value	78V

