

ERV2

Instruction book

ERV2产品说明书



CATALOGUE

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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!

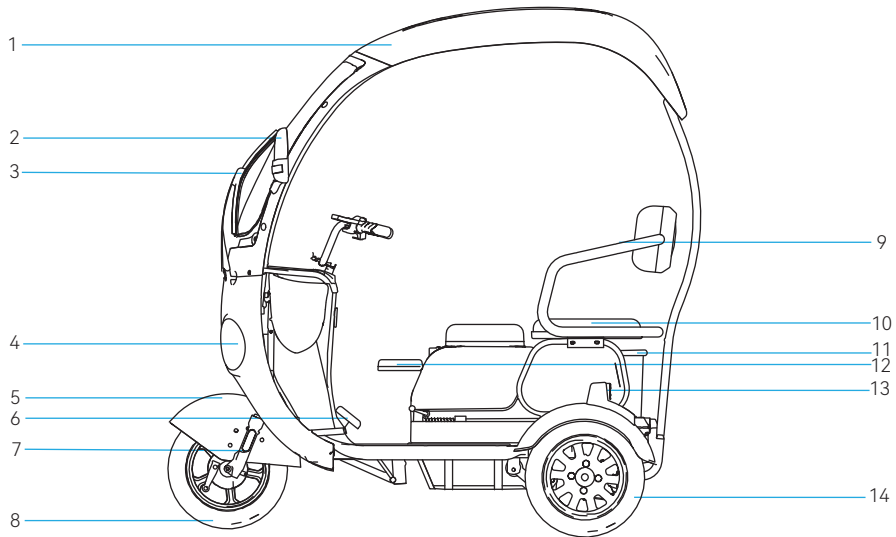
Safety precautions

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



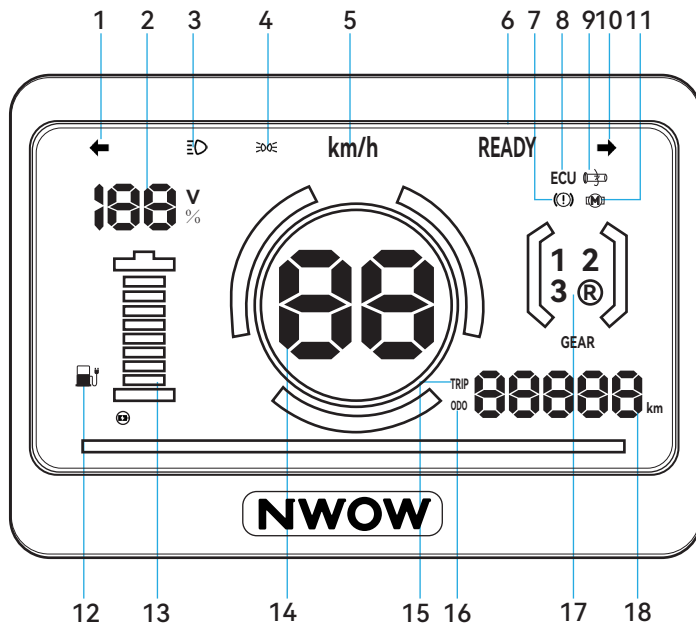
The images are for reference only and should be subject to actual conditions.

1.ceiling	6.foot brake	11.storage
2.rearview mirror	7.hydraulic shock absorption	12. baby seat
3.windshield wiper	8.front wheel	13.tail lamp
4.headlamp	9.backrest	14.rear wheel
5.front fender mudguard	10.seat	

1-2Function introduction

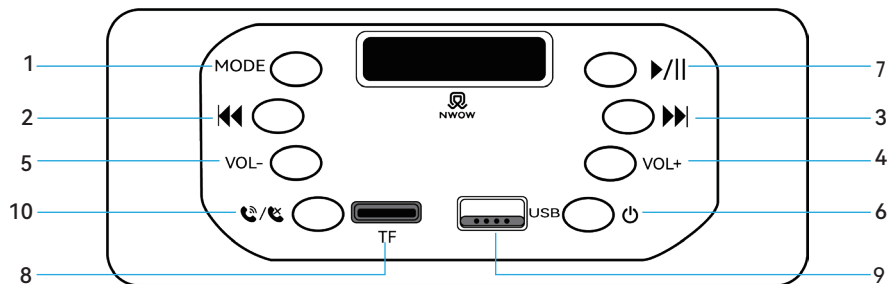
Complete vehicle structure

(1) Instrument panel



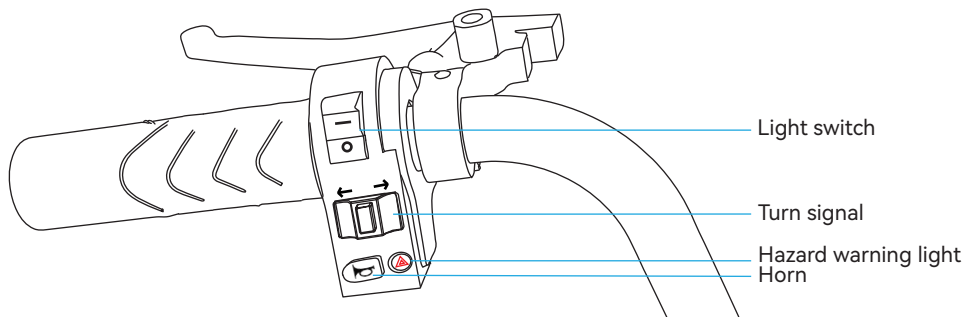
Serial Number	Name	Description
1	Left Turn Signal	Lights up and blinks when turning left.
2	Voltage/Battery Percentage	Displays the current battery charge and voltage percentage.
3	High Beam	Provides a wider range of illumination for night driving.
4	Outline Lamp	Used to remind of vehicle spacing control.
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	Charging Signal	Lights up to indicate charging is in progress; turns off to indicate no charging is occurring or the battery is fully charged.
13	Battery Level Display	Shows the remaining battery charge.
14	Speed Display	Shows the real-time speed of the vehicle.
15	Single Trip Mileage	Records and displays the total mileage of the current trip.
16	Total Mileage	Accumulates and displays the total mileage of the vehicle.
17	Gear Display	Shows the current gear position.
18	Kilometer Count	Displays the current mileage count.

(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

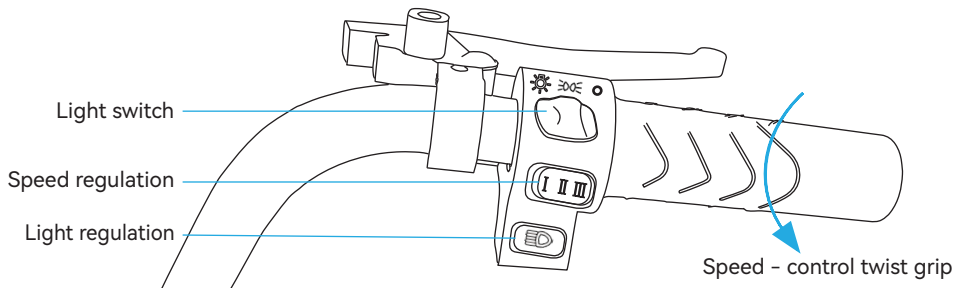
(3) Left combination switch



Name	Explanation
Light switch	All lights are on/off.
Hazard warning light	Press the hazard warning light, the headlights flash.
Horn	Press to make a "beep-beep" sound to alert pedestrians or vehicles.
Turn signal	← Left turn signal light. → Right turn signal light.

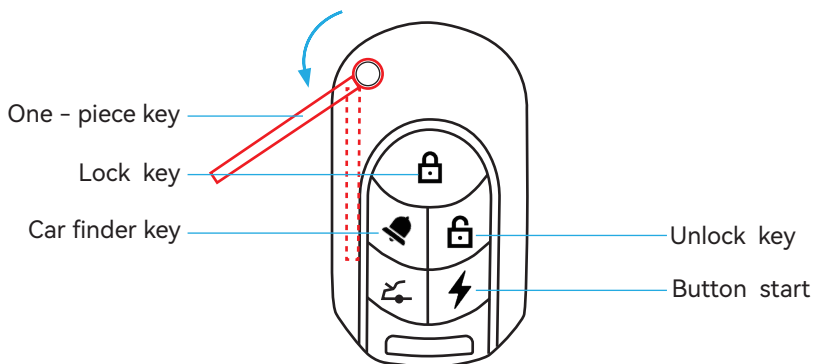
After completing the turn, toggle back to the original position and turn off the turn signal and instrument panel lights.

(4)Right combination switch



Name	Explanation
Speed regulation	I. drive at a low speed II. drive at a medium speed III. drive at a high speed
Light switch	☀ Turn on the position lights ☀/ Turn on the clearance lights ○ All lights are off.
Light regulation	☰ High beam

(5) Security alarm



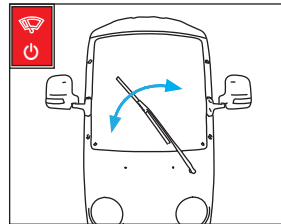
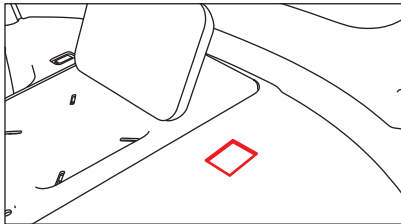
Lock key	Press  gently, and the anti-theft device will enter the anti-theft state.
Unlock key	Press  gently, and the anti-theft device will enter the disarmed state.
Button start	Press and double-click  gently, and the whole vehicle will enter the remote start state.
Car finder key	Press  gently, and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

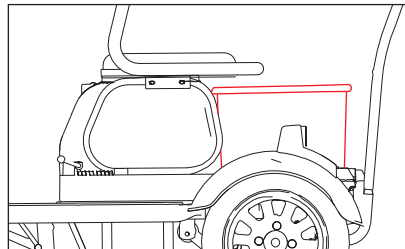
(6) Wiper control



Windshield wiper switch

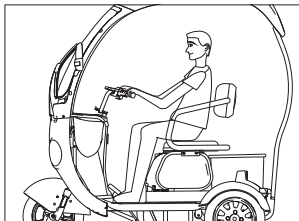
Name	Explanation
Windshield wiper switch	Turn on the windshield wipers. The wipers will clean the front windshield.

(7) Storage

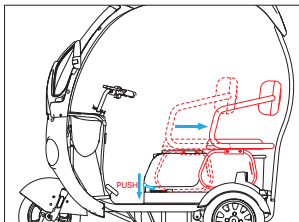


(8) Driving mode

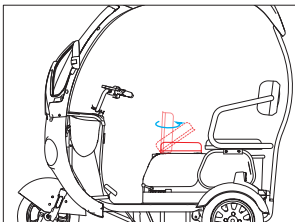
one person mode



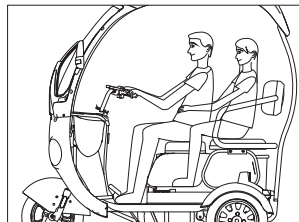
two person mode



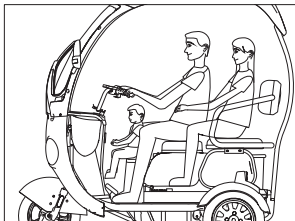
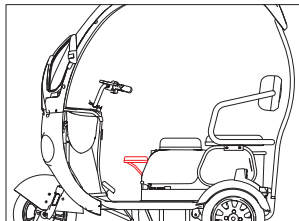
Push the fixed rod downward and then push the seat backward until it is fixed by the buckle.



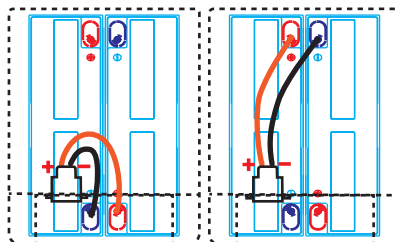
Flip the seat



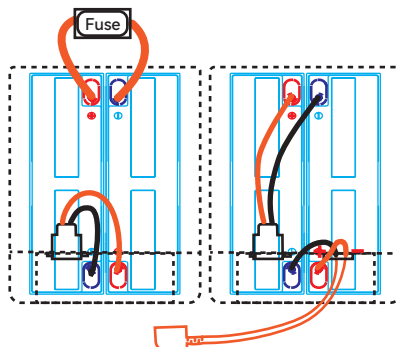
three person mode



Lead-acid Battery Installation



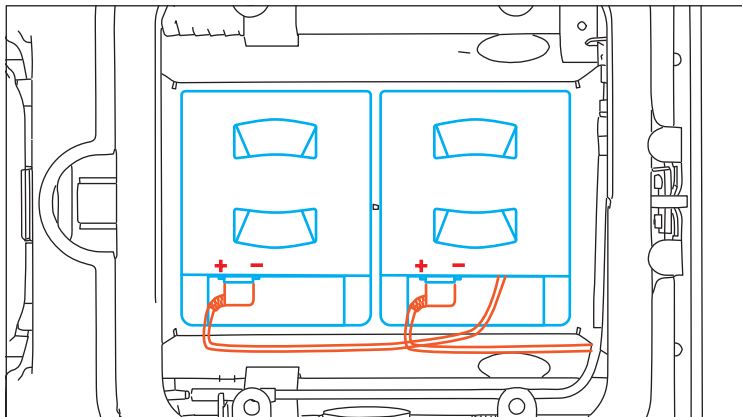
1. Place the positive and negative poles of the batteries adjacent to each other and put them in pairs inside the battery box.
2. Connect the positive pole of the charging port to the positive pole of the battery and connect the negative pole to the negative pole.



3. As shown in the picture, the positive and negative poles of one group of batteries are connected through a fuse, while the positive and negative poles of the other group of batteries are connected by elbow wires.



Attention: The screws need to be tightened manually with a screwdriver.



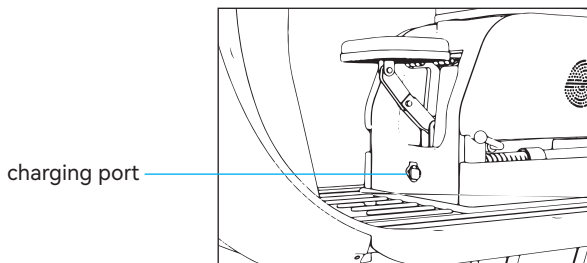
4. Put the battery box into the battery compartment. Connect the battery to the whole vehicle as shown in the figure.

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.

2-3 Starting and Driving

Operating Instructions



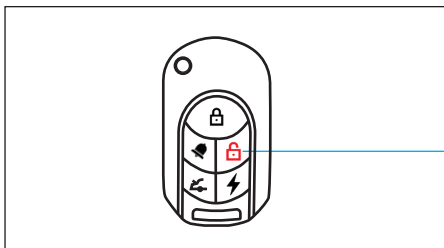
Charging Precautions:

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.

Pre – driving Inspection

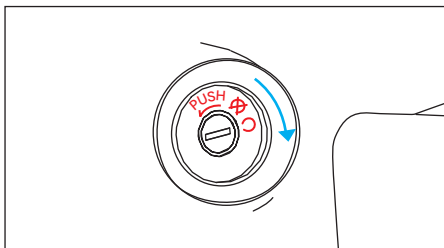
1. Check whether the power circuit, lighting circuit and other circuits are in normal condition.
2. Check whether the front and rear brake levers can work properly. Check whether the reflectors are damaged or contaminated.
3. The driver and passengers must fasten your seat belt and put on your safety 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

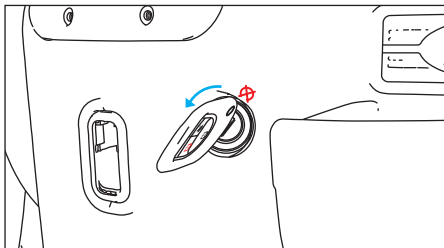


Power on:

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  position to turn on the power.
At this time, the key can't be pulled out.

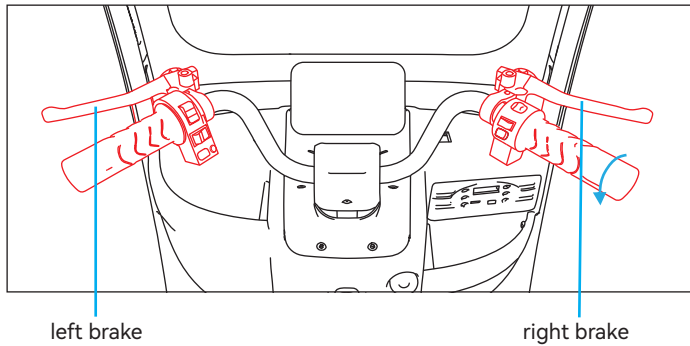


Power off:

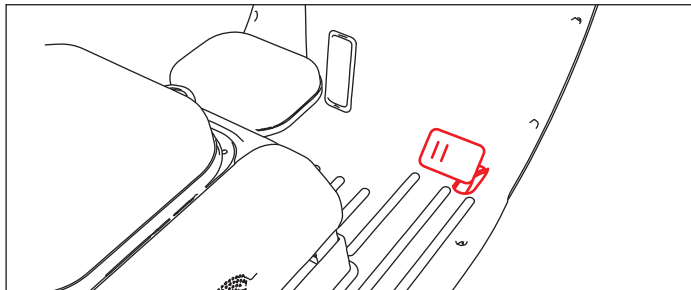
3. Turn the key counterclockwise to the  position to turn off the power.
At this time, the key can be pulled out.

Driving operation

3) Throttle grip and brake lever



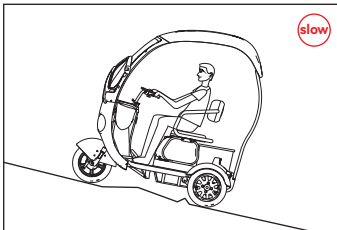
3) Foot brake



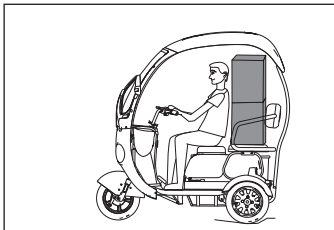
2-4Driving safety

Operating Instructions

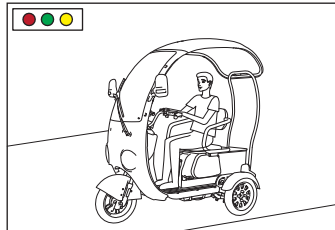
Driving safety



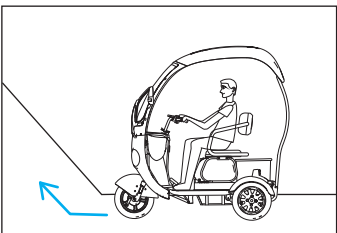
1. Please start the vehicle smoothly on a flat road surface. Keep a low speed when going up or down slopes, avoid rapid acceleration or sudden braking to prevent the vehicle from overturning or sliding.



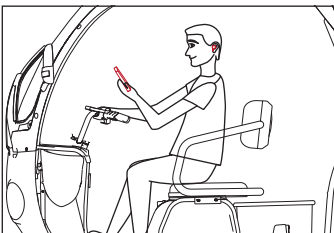
2. Do not overload. Please carry people or items within the specified load capacity.



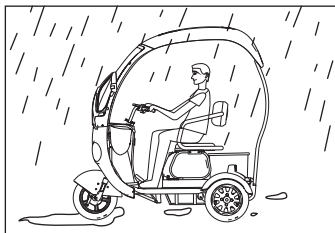
3. Strictly abide by local road traffic regulations when driving and keep a safe distance from the vehicle in front.



4. Slow down when passing through 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	ERV2
Length * Width * Height	1680 * 690 * 1680 mm
Overall Vehicle Load Capacity	150 kg
Overall Vehicle Mass	108.5kg (excluding battery)
Wheelbase	690 mm
Speed	30 km/h
Cruising Range	39.3 km (fully loaded)
Braking (Front / Rear)	front and rear drum brake
Tyre (Front / Rear)	2.75 - 10
Climbing Ability	$\leq 15^\circ$
Braking Distance	≤ 7.5 meters

Battery Type	LEAD-ACID
Battery	48V20AH
Input Volts	AC220V
Motor Type	Central - located differential motor
Motor Power	48V25H350W
Capacity	350W
Controller	Square wave controller 48V12T28A
Undervoltage Protection Value	63V
Over - current Protection Value	42V

