

ELECTRIFY YOUR LIFE



USER MANUAL

E8S/E8SLITE/E8SPRO

Manufacturer : Yadea Technology Group Co.,Ltd

Address : NO.515 Xishan Avenue,Anzhen Street,Xishan District,Wuxi City,Jiangsu Province

Corporation Website : www.yadea.com



Foreword

Dear users:

Thank you for your trust in Yadea Electric Scooters, choosing unique and beautiful shape, advanced and reliable technology, E8S two-wheeled electric scooter. We will bring convenience to your life and work with high-quality products and enthusiastic service. We hope you can enjoy the pleasure of Yadea electric scooter.

Before using the E8S two-wheeled electric scooter, please read the instructions carefully and follow the warnings, requirements and tips inside strictly, which will help you achieve higher driving safety.

As an integral part of the scooter, please hand this manual over with the scooter when transferring the use rights, such as sell or lend the scooter to others. Please be sure to purchase Yadea electric scooter via official channels, and use the designed spare parts from Yadea. Please keep the invoice as a proof of warranty.

Please follow this Manual to maintain the scooter on schedule. For any problems found, please contact authorized service stations in your region or our company, we will provide you with quality maintenance, repair and other services.

This manual contains the latest product information at that time. Yadea is committed to improving product design and quality. As a result, the product design may be changed at any time, which may lead to some inconsistency between the manual and the real product. If you have any questions, please contact us: service@yadea.com

Your choice - the beginning of our service! Yadea electric scooter with you all the way, a safe life!

The copyright of this manual belongs to Yadea Technology Group Co., Ltd., Without the written consent of the company is not allowed to reproduce, the offender will be prosecuted.

The right of interpretation of this manual belongs to Yadea Technology Group Co., Ltd.

Yadea Technology Group Co. Ltd

Special Tips

- As a more convenient and popular means of transportation, the scooter performance is affected by different road conditions and consumers' usage habits, but consumers usually lack the common sense of regular maintenance. In order to make the scooter is in the best condition, prolong the service life of the scooter at the same time, consumers have to do regular inspection and maintenance for the scooter and the related parts of obligation.
- The scooter, controller, charger, battery and other original parts of the scooter parts shall not be disassembled and replaced without authorization. If users disassemble and install by themselves or disassemble and repair by non-Yadea authorized maintenance units, users do not comply with this "notice" standard or non-Yadea designated maintenance units disassemble and repair resulting in performance failure or quality problems of relevant parts, Yadea Company will not normal warranty. The user shall be liable for any scooter damage or economic loss caused by disassembling, refitting or improper use without permission.
- The design of the scooter is limited to one driver and one passenger, and the rated load mass specified on the load label shall not exceed 150 Kg in total.
- When the scooter is transferred to another person, this instruction manual should be handed over to the new owner together with the scooter

Safety Warning

The safety warning symbols used in this manual.



DANGEROUS: If this warning is ignored, serious injury or death may result.



WARNING: If this warning is ignored, it may result in injury or damage to the scooter.



ATTENTION: If this warning is ignored, it may result in an accident due to improper operation.

Table of Contents

1. Safety Precautions	02
2. Product accessories	05
3. Install rearview mirrors	06
4. Parts info	07
5. Function Introduction	10
6. Battery Charging	18
7. Battery installation	19
8. Safe ride	21
9. Safety warning	22
10. Maintenance and repairs	24
11. Inspection and troubleshooting	29
12. Specification	34
13. Electrical schematic diagram	37
Appendix 1 Maintenance Record	39

1. Safety Precautions

Dear users, for the safety of you and your family and to prevent accidents, please be sure to read the "instructions for the use of this product" carefully and master driving skills through practice.

Safety instruction

- You must understand the local laws and regulations, strictly abide by the traffic rules, do not overspeed, run red lights or go retrograde.
- Drivers of electric two-wheeled scooter must pass the examination of the traffic management department and obtain a driving license before they can drive an electric two-wheeled scooter;
- When riding, keep the distance and slow down when passing an intersection. Before turning, a turn signal shall be given, and a sharp turn shall not be allowed, and the scooter shall not be towed or towed by other scooters; Do not climb up the scooter; Not to leave the handle or hold the object with both hands; Do not learn to drive a scooter on the road;
- Please carry people or articles in accordance with laws and regulations. Overloading is strictly prohibited;
- Do not lend a two-wheeled electric scooter to people who can not operate to avoid injury;
- It is strictly prohibited to use high-pressure water gun to wash electronic components and circuits. Wet cloth should be used to wipe;
- It is strictly prohibited to park in building foyers, evacuation staircases, walkways and safety exits;
- It is strictly prohibited to charge and park in residential buildings. When charging, it should be away from combustible materials and the charging time should not be too long;
- When the battery is charged, the charger should be placed in a safe place out of reach of children;
- The correct use and maintenance of the battery; Waste batteries shall not be dismantled without authorization and shall be recycled by the relevant professional departments;
- Safe use of the charger and warning terms; When replacing the charger, it should be matched with the battery model;

- Please do not dismantle the two-wheeled electric scooter or tamper with the performance and configuration of the scooter without authorization. You will be responsible for the loss caused, and you will lose our warranty commitment. If you need to replace the parts, please contact the after-sales service;
- In case of quality problems, please go to Yadea star service station, line repair and maintenance. If the performance failure or quality problem of the relevant parts is caused by the disassembly and maintenance of your own or non-Yadea authorized maintenance unit, Yadea Company will not guarantee the normal warranty. In case of scooter damage or economic loss caused by disassembly, refitting or improper use by the user, the user shall be liable for such damage or economic loss.

Notice for use

- Please ride smoothly on the flat road surface. Do not accelerate, brake or turn sharply when driving;
- Do not use the front brake first, so as to avoid the danger caused by the center of gravity moving forward;
- Please drive carefully, pay attention, do not answer the phone, use headphones, etc;
- When driving at night, turn on headlights and wear reflective clothing;
- When driving or moving a scooter, keep body parts away from moving parts;
- Do not travel on the handlebars, so as not to lose control of the accident;
- If you encounter problems while driving, stop driving immediately. And timely contact after-sales service;
- Do not use chargers of other brands or specifications; It is also not allowed to use the charger provided by our company to charge the other two wheeled electric scooter;
- When charging, please turn off the power key first, then connect the charger to the battery, and then connect it to the mains;

Driving Environment Requirements

- It shall drive in the two-wheeled electric scooter lane, and on the road without a two-wheeled electric scooter lane, it shall drive on the right side of the roadway;
- When riding in rain or snow, the braking distance will be extended. Please slow down and drive slowly.

- Do not drive in inclement weather, such as storm, fog, snow and ice.
- Do not drive on uneven, muddy, gravel road or stairs, or damage the explosion-proof tire or rim, which may cause danger to your electric scooter;
- Do not wade and drive. The water level should not exceed the lower edge of the rear wheel motor bearing block to prevent the motor from being damaged by water inflow.

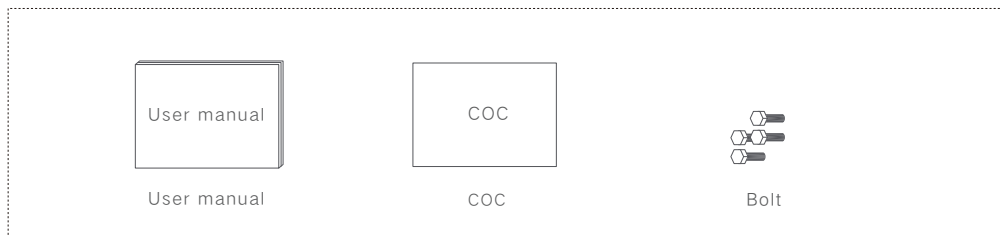
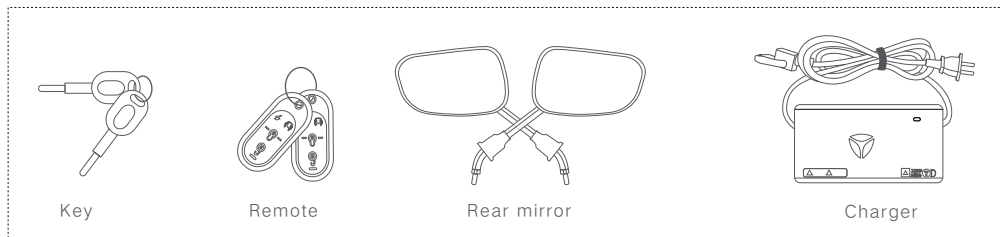
The following persons are not allowed to drive

- Pregnant women, minors and the elderly
- People who are under the influence of alcohol or other drugs
- People who are overweight
- People who are overtired
- A person who is unable to move after being ill

Check before driving

- Must wear safety helmet and other protective equipment before driving;
- Turn on the power switch, check the battery power;
- Check whether the lights and turn signals are in good condition;
- Check whether the power supply circuit, lighting circuit and other conditions are good;
- Check whether the braking performance and braking distance of the front and rear brakes are normal;
- Check whether the reflector is damaged or dirty.
- Please check the fastening state of each component;
- Check tire pressure: ensure that the tire pressure is normal tread intact.

2. Product accessories

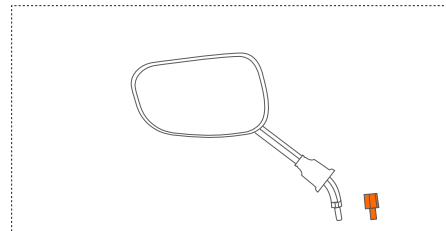


Please check carefully whether the contents of the box are intact, if you have any questions, you can contact our company: service@yadea.com

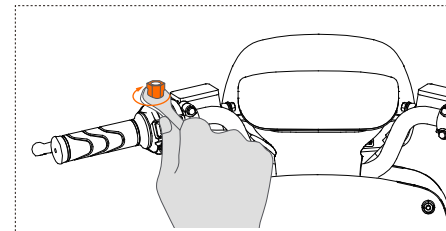
3. Install rearview mirrors

Follow these steps to install the rearview mirror.

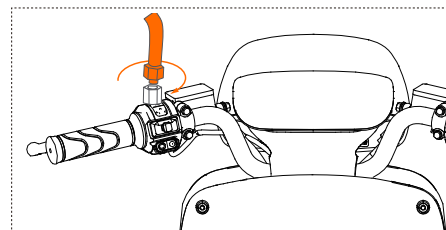
1. Remove the rearview mirror connecting nut.



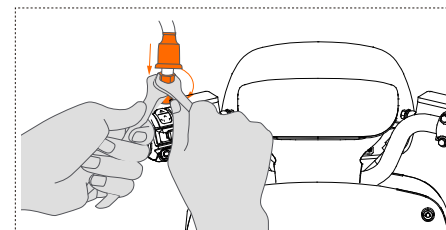
2. Install the rearview mirror connecting nut on the tearing handle, turn it clockwise and tighten with a wrench.



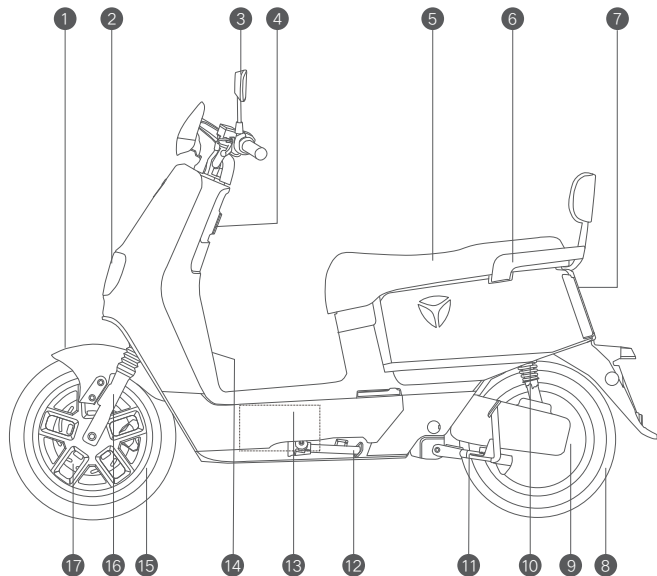
3. Install the rearview mirror on the connecting nut and turn it clockwise to fit. Turn the rearview mirror lock nut clockwise and tighten by hand.



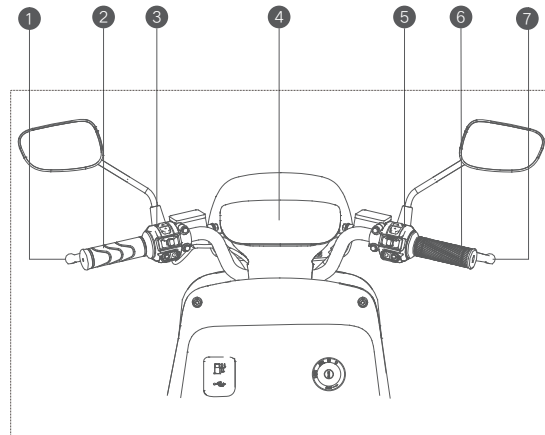
4. Use a wrench to secure the connecting nut, then use another wrench to tighten the rearview mirror lock nut clockwise. Finally, move the cover down to cover the nut.



4. Parts info

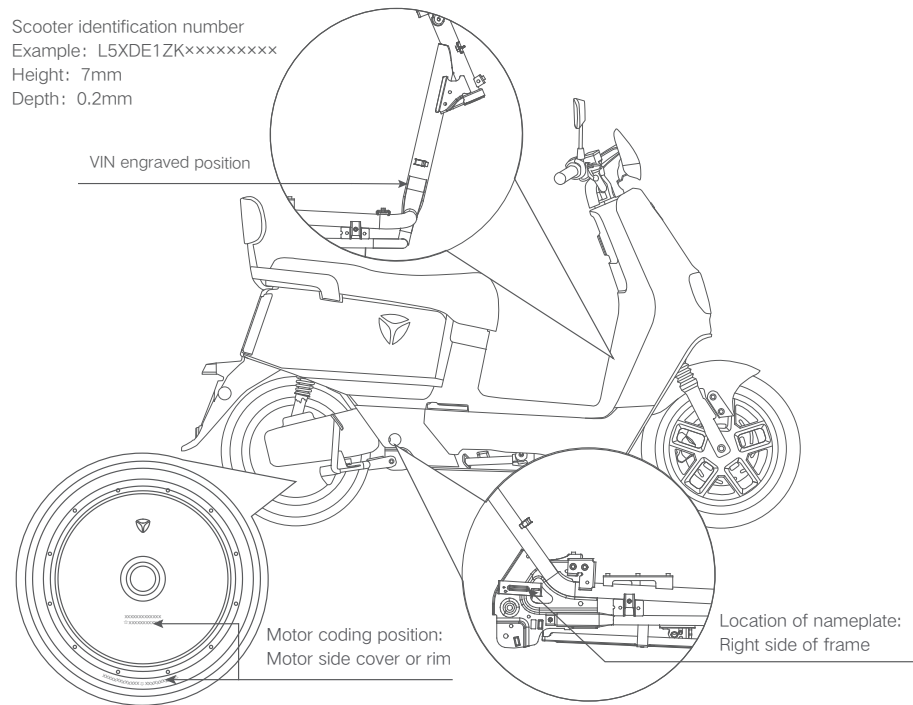


- 1.Front wall
- 2.Headlight
- 3.Rearview mirror
- 4.Hook
- 5.Seat cushion
- 6.Passenger armrest
- 7.Rear lamp
- 8.Rear tire
- 9.Motor
- 10.Rear shock absorbers
- 11.Main stand
- 12.Side stand
- 13.Battery
- 14.VIN code (right side)
- 15.Front tire
- 16.Front absorber
- 17.Front disc brake

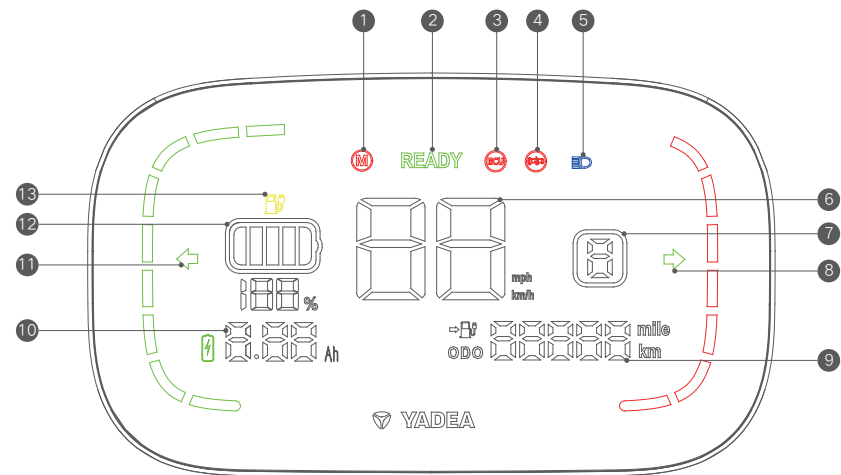


1. The left rear brake handle
2. Left handle
3. Left combination switch
5. Right combination switch
6. Throttle
7. The right front brake handle

Scooter identification number
 Example: L5XDE1ZKxxxxxxxxxx
 Height: 7mm
 Depth: 0.2mm



5. Function Introduction

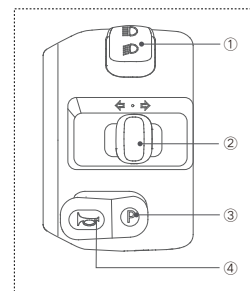


⚠ ATTENTION:
 When the power battery power is lower than 15%, the charging status indicator light flashes; When it is below 10%, the bottom battery grid changes from white to red, indicating timely charging.

No	Icon	Name	Instruction
1		IMotor fault	When the motor fails, the indicator lights up
2		Operational readiness	When the P gear of the scooter is released and the scooter speed is 0, the indicator lights up;
3		Controller failure	When the controller fails, the indicator lights up;
4		Turnlebar fault	When the throttle fails, the indicator lights up;
5		High beam	When the high beam is turned on, the indicator lights up;
6		Speed display	Show the current speed
7		Gear display	Show the current gear
8		Right steering	Push the turn signal switch to the right, and the indicator light flashes;
9		Odometer	Display the total mileage after startup, and the short mileage after 5s
10		Energy recovery display	When energy recovery is detected, the recovery value is displayed;
11		Left steering	Push the turn signal switch to the left, and the indicator light flashes;
12		Battery percentage display	Displays the percentage of battery power remaining
13		Low voltage indicator light	When the voltage is too low, the indicator lights up.

Combination switch

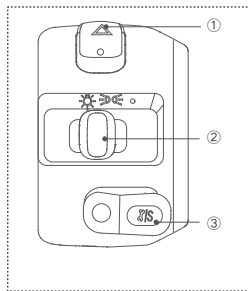
Left combination switch



- ① Combination switch
- ② Turn left/right switch
- ③ P mode switch
- ④ Horn switch

1. High and low beam light: move forward to turn on the high beam, move back to switch to low beam.
2. Left/right turn switch: Push the switch handle left or right to turn on the corresponding position turn signal, sending out a continuous flashing light signal. At the same time, the instrument panel sends out a green turn indicator signal. When the switch handle is pushed to the middle position, the turn signal can be turned off.
3. P-gear switch: When the scooter is powered on and the side brace is up, press the P-gear switch to remove the P-gear state; Short press once again to enter the state of P-gear.
4. Horn switch: press the horn switch, the horn prompt sound can be issued.

Right combination switch

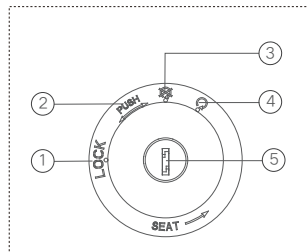


- ① Warning light switch
- ② Headlight switch
- ③ Mode switching





1. Warning light switch: push the switch handle to the left to turn on all position turn signals and send out flashing light signals continuously. At the same time, the instrument panel sends out a green turn indicator signal. When the switch handle is pushed to the right, the danger warning light can be turned off.
2. Headlight switch: Push the switch to the left to turn on the headlight.
3. Mode switching: Press to switch speed mode.

Power lock

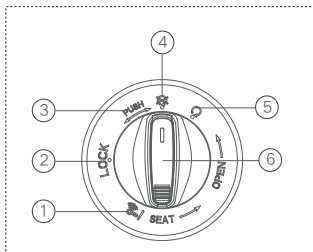
Ordinary lock





- ① Front lock
- ② seat cushion lock
- ③ Stop
- ④ Start
- ⑤ Keyhole

1. Power on operation: insert the key into the keyhole and rotate clockwise to  /start gear.
2. Power down operation: counter clockwise rotation to  / stop gear.
3. Cushion lock and front lock operation:
in  /stop gear, insert the key, and turn the key counter clockwise in  /stop gear to the PUSH position to open the cushion lock; In stop gear, turn the direction counter clockwise to the bottom, insert the key, press the key in stop gear and rotate counterclockwise to LOCK the front.




Knob lock (if applicable)




- ① Smart key symbol
- ② Front lock
- ③ seat cushion lock
- ④ Stop
- ⑤ Start
- ⑥ Keyhole


1. Power on operation:  / stop mode press down the rotation button, the smart key symbol is lit, and then turn clockwise to  /start mode within 20S.

2. Power down operation:

- ① Close to  /stop gear, press down the knob button, 3S after automatic fortifying.
- ② Switch off to  /stop gear, the blue tooth of the mobile phone will leave the scooter more than 3 meters, and it will automatically set up after 3S.
- ③ close to  /stop gear, do not leave the scooter, after 20S automatic fortification.

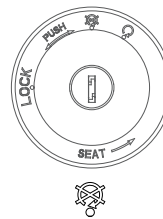
3. Cushion lock and front lock operation:

When the button of the knob is pressed down in  /stop gear, the smart key symbol is lit. Rotate the button of the knob counterclockwise to the PUSH position to open the cushion lock;

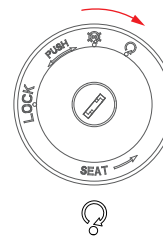
After pressing the knob button down in  /stop, the smart key symbol is lit, press the knob LOCK down and rotate to LOCK the front.

- In case of system failure or scooter power failure, the spare key can be used for normal operation.

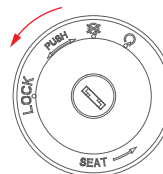
Lock hole position (operated with key only)



The scooter is in a power-off parking state

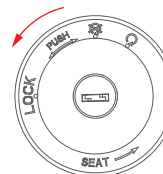


The scooter is in the power-on start state



PUSH

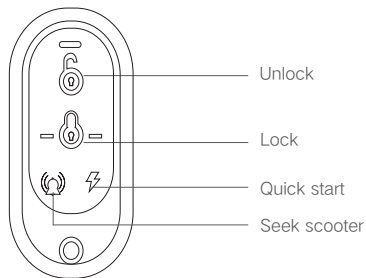
Open the seat cushion




LOCK

Turn the handlebar counterclockwise, press the key and Turn the key counterclockwise to the end to lock the faucet


Anti-theft alarm (if applicable)



Set up defenses:

Tap  or remote control away from the scooter 3 meters away, burglar alarm into the anti-theft state!

Unprecaution:

Lightly press  or the remote control is close to the scooter within 2 meters, the alarm will enter the state of disarming.

Quick start: Press twice in a row, and the scooter will be turned on, and the meter will light up.

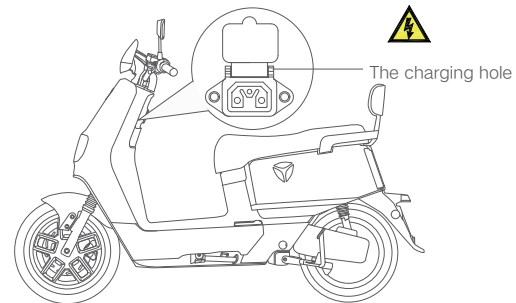
Seek scooter: Press lightly within 30m of the scooter, and the scooter will sound a prompt.



ATTENTION:

Note: The above remote control button operation shall be within 30 meters of the scooter.

6. Battery Charging



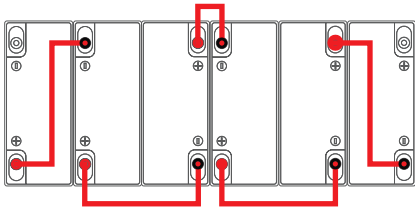
1. Insert the charger into the charging hole first, and then add the mains power;
2. When sufficient, cut off the electricity first, and then pull out the battery plug.

Tip: The charger grid flickers to indicate that it is charging. When charging is completed, all grids are always on. Please power off when the battery is full.

7. Battery connection diagram

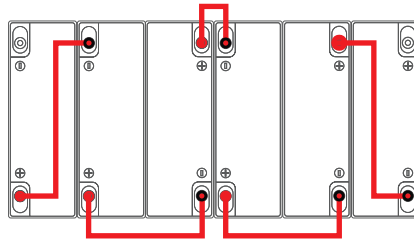
The direction of the arrow is the direction of the front of the scooter

72V23A



The direction of the arrow is the direction of the front of the scooter

72V38A



Battery installation precautions

1. Strictly follow the battery connection wire schematic and the corresponding numbered connection wire for firm connection.
2. After the battery installation is completed, the pole protection sleeve must be pressed into place.
3. Battery pressure bar should be correctly installed, and must be fixed firmly not loose, the pressure bar can not touch with the pole and there should be no pressure line, pinch line phenomenon.
4. Shall not change the original wiring specification of the whole scooter, battery installation (seat cushion bucket installation), charging line, power line, air switch shall not have a pinch line, pressure line phenomenon.



DANGEROUS:

- For the safety of you and your scooter, please strictly follow the battery connection diagram to connect, if the battery connection cable is broken, please repair it in time;
- Battery installation is dangerous and must be installed by professional installers. If the accident is caused by private operation, the user will bear all the consequences.



WARNING:


- Do not discard the old batteries at will, so as not to pollute the environment.
- Waste battery can not be handled privately, the company's after-sales service station is responsible for recycling.
- A strong high voltage warning and electric shock danger sign shall be posted on the battery box, and shall not be covered or torn.
- Do not put the battery side, upside down, virtual welding, do not short circuit the positive and negative battery.

8. Safe ride


For the safety of you and your family, please read the instruction carefully before learning to drive, obey the traffic rules, do not speed, do not run red lights, do not go against the road. Wear approved helmets and other protective gear to minimize any possible injuries.

Power on/off

Power on method:

Power on: Insert the key into the power lock and rotate clockwise to the right to the position , turn on the power, the key cannot be pulled out.

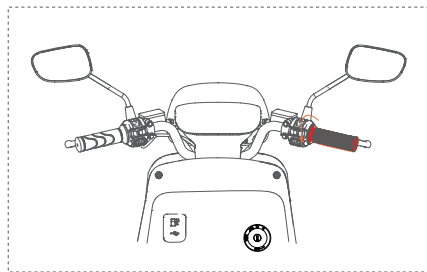
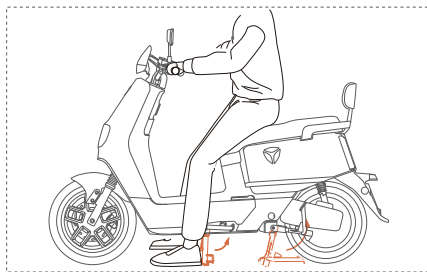
Power off method:

Power off: Turn left counterclockwise to the position  to turn off the power. At this time the key can be pulled out.

Driving

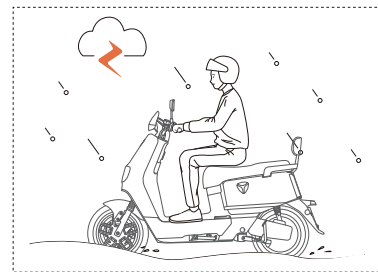
Before riding, check the battery indicator and recharge immediately if the battery is low. Before driving, please read the Pre-Driving Preparation (see page 04).

With the side stays retracted, sit on the seat cushion with both feet on the ground and turn the throttle knob inward gently to start your trip.

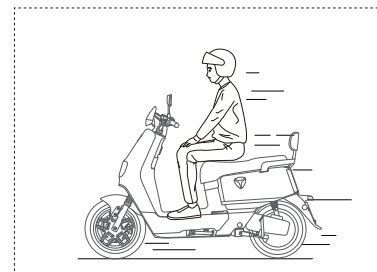


9. Safety warning

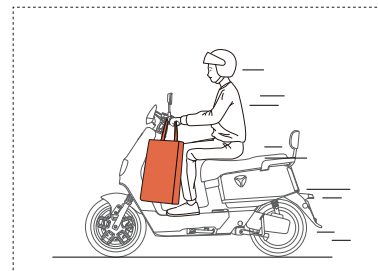
 **WARNING:** Failure to follow the instructions below may result in serious injury.



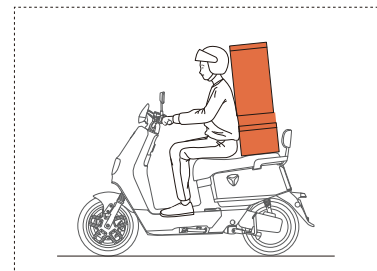
Do not ride in inclement weather such as rain or snow!



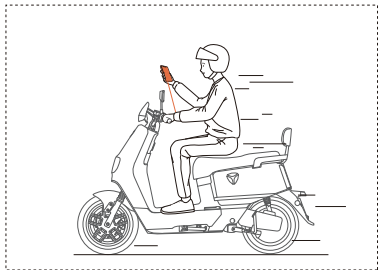
Do not leave the handlebars when riding!



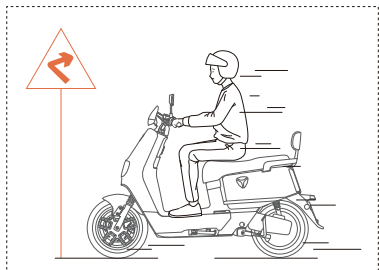
No handlebar hanging!



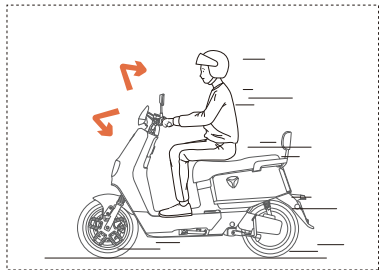
When riding, do not carry too high!



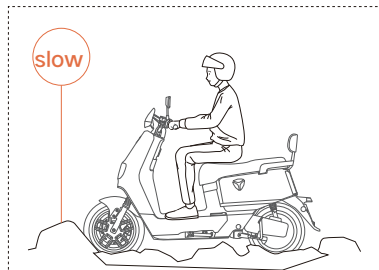
Don't look at your phone or wear headphones while riding!



When turning, lean your weight slightly toward the direction of turning and slowly turn the handlebars. Don't make a sharp turn!



Do not turn the handlebars greatly when driving at high speed!!



Slow down when you're driving on bumpy roads, speed bumps, or other irregular surfaces.

10. Maintenance and repairs

Precautions for washing cleaning

- Disconnect the power supply of the scooter before cleaning. Do not touch the live parts, such as the battery charge and discharge port, with wet hands or metal conductors;
- No water impact on electrical parts, scooter cleaning should be wet towel dry after wiping the scooter appearance, such as the presence of dirt is difficult to remove, can use a toothbrush brush, after cleaning, please use a soft cloth to dry the scooter;
- Avoid water impact charging socket, wiring harness connector and fuse, do not directly splash water into the container;
- Can not directly to the brake, motor and the front and rear axles of water, in order to prevent the influent affect the life of the scooter components;
- Do not use steam or high-pressure water hose to flush the scooter.

WARNING:

- Do not use alcohol, gasoline, kerosene or other corrosive, volatile solvent cleaning. These substances may damage the exterior and internal structure of the scooter.
- Do not use high pressure water gun or water hose spray scour.

Storage

- Please store the scooter in a flat, stable, dry place, in a cool room, avoid sun and rain, so as to avoid rust or aging of parts;
- If the battery is not used for a long time, it is recommended to store the battery power at about 50%, and disconnect the air switch, or take the battery out and put it to a safe place separately; Otherwise, the battery life will be greatly affected, and the battery will be scrapped in serious cases.



WARNING:

In the maintenance process, please check whether there is any abnormality in each part. If any abnormality is found, please contact the after-sales or designated authorize service network. National service hotline: service@yadea.com.

Spare parts maintenance

Motor

- There is no need to adjust or maintain the motor in normal use, only need to carry out surface dust removal and other cleaning work. Do not add lubricating oil to the transmission parts at will;
- When wading driving, the height of the water level can not exceed the lower edge of the rear wheel motor bearing seat cushion to prevent damage caused by motor water intake;
- Regularly check whether the wiring of the motor is loose, whether the appearance is deformed, whether the phase line of the motor is damaged;
- The motor wheel can not be violently hit, the motor can not be forced to run in the case of blocking rotation, motor overload is strictly prohibited;
- It is strictly prohibited to drive on uneven road surface, which will seriously damage wheel hub and motor;
- The scooter has been installed and adjusted to the best condition before sale. Please do not disassemble and install electrical appliances and related parts at will during use. When riding, if you find abnormal noise from transmission parts, power on, or other abnormal conditions, please contact the after-sales service or specify authorized service outlets.

Controller

The controller is adjusted to the best condition when the electric two-wheeled motorcycle is shipped from the factory. In case of electrical failure or loss of control while riding, non-professional maintenance personnel can only check the cables and connectors. If you cannot troubleshoot, you can contact your dealer or our company at service@yadea.com.

Battery

- Before use, please confirm the battery model is the original battery for the whole scooter. Please do not use other brands or other types of batteries.
- When the battery packaging and charger packaging separate instruction is also a part of the product, please read and understand carefully before use;
- The first time before use should be sufficient electricity, when the driving found low power, should be charged in time, so that the service life of the battery;
- When the power is used up, the system will automatically cut off. But after turning off the power supply, the battery will appear rebound "virtual" voltage (reactive voltage), then must be charged after use, otherwise it will cause the battery over discharge, the damage to the battery will be irreparable;
- When the power is used up, it is necessary to open the seat cushion bucket and replug the battery connector for normal charging. It is suggested to directly use external charging or built-in charging.
- When the battery power is not less than 20%, please charge it in time to develop the habit of charging as you use it, which can prolong the battery life; If not charged in time after riding, it will greatly affect the service life of the battery, serious cases will cause battery scrap;
- If you do not use the electric scooter for a long time, please be sure to give the battery supplementary power 1 times at least 1 month, improve the battery service life, avoid the loss of power can not be three bags caused by the loss of users, dealers are strictly prohibited from changing the battery configuration and refit other scooter parts function;

- It is recommended to check and maintain Yadea professional service station regularly.



DANGEROUS:

- **Do not discard waste batteries at will, so as not to pollute the environment. The waste battery of this product shall be recycled by the enterprise or the distributor and the designated branches of the government.**
- **Battery charging place should be away from children.**

Charger

- The user must charge in accordance with the instructions, must use the original charger, otherwise the consequences;
- The type of battery that the charger can charge and the applicable voltage are strictly prohibited. It is strictly prohibited to charge non-rechargeable batteries or other mismatched batteries.
- Do not carry the charger with the scooter, to prevent the damage of the internal electronic components of the charger caused by turbulence;
- Charging should be placed in a ventilated environment, strictly prohibited in a closed space or under the hot sun and high temperature environment charging;
- In the process of charging, if the indicator light is abnormal, there is a peculiar smell or the shell of the charger is overheated, stop charging immediately and repair or replace the charger;
- When plugging and unplugging the power supply, the hands must be kept dry. It is forbidden for the conductive material to contact the charging hole of the battery box or the contact at both ends of the charging hole of the connecting wire at the same time.
- Enough, first cut off the electricity, then pull the battery plug;

- When plugging and unplugging the power supply, the hands must be kept dry. It is forbidden for the conductive material to contact the charging hole of the battery box or the contact at both ends of the charging hole of the connecting wire at the same time.
- When the green light turns on, the power should be cut off in time. It is forbidden to connect the charger to the AC power for a long time without charging.
- Do not disassemble or replace the devices in the charger by yourself. If there is any fault, please contact the after-sales service or designated authorized service outlets.



WARNING:

- **The charger needs to provide enough ventilation during the charging process, away from explosive gas, beware of fire hazards;**
- **Charging should be carried out in a dry and ventilated environment, avoid moisture, while away from flammable and explosive items, the ambient temperature is 10-30°C.**

11. Inspection and troubleshooting

The user checks the items themselves

Inspection item	Inspection item
Headlights, turn signals, tail lights, brake lights	Whether it works properly
Horn	Whether the sound is normal when working
Front and rear brake clearance	Whether braking is normal or not
Front and rear tires	Whether the air pressure is normal, whether the surface is sundry or worn
Instrument	Whether the signal lights and indicators are normal
Power lock, trunk lock, seat cushion lock	Whether the opening is normal and whether the moving part of the lock plate needs to be added with lubricant
Rearview mirror Angle	Do you have a clear view of the rear
Front handle and Front suspension	Whether the steering is flexible, whether there is a loose or stuck phenomenon
Fasteners for front and rear axle, flat fork axle, etc	Whether there is loosening phenomenon

Schedule of regular maintenance items and maintenance contents

Inspection item	everyday	60Days	180Days	360Days
1. Whether the rotating and steering parts of the handlebar are loose and worn		■●	■●	●▲
2. Whether the foot parts are worn and rotated flexibly		■●	■●	◆
3. Whether the tire is properly inflated and whether the outer tire is worn	■			◆
4.The light bulb work or not	■◆	■◆	■◆	■◆
5. Whether the brake is worn			◆	◆
6. Whether the rim is swaying or deformed		■	■	◆
7. Whether the front fork of the frame is deformed		■	■	◆
8. Whether the fasteners are loose		■	■	▲
9. Whether the brakes are good or not	■	■▲	■▲	▲◆
10.Does the horn sound	■			▲◆
11.Whether the power cord of the charger is worn	■			◆
12. Front pipe, flat fork and shock absorption connected with the frame			●	

■ Check
 ▲ Adjust
 ◆ Replace
 ● Lubricate

 **ATTENTION:**

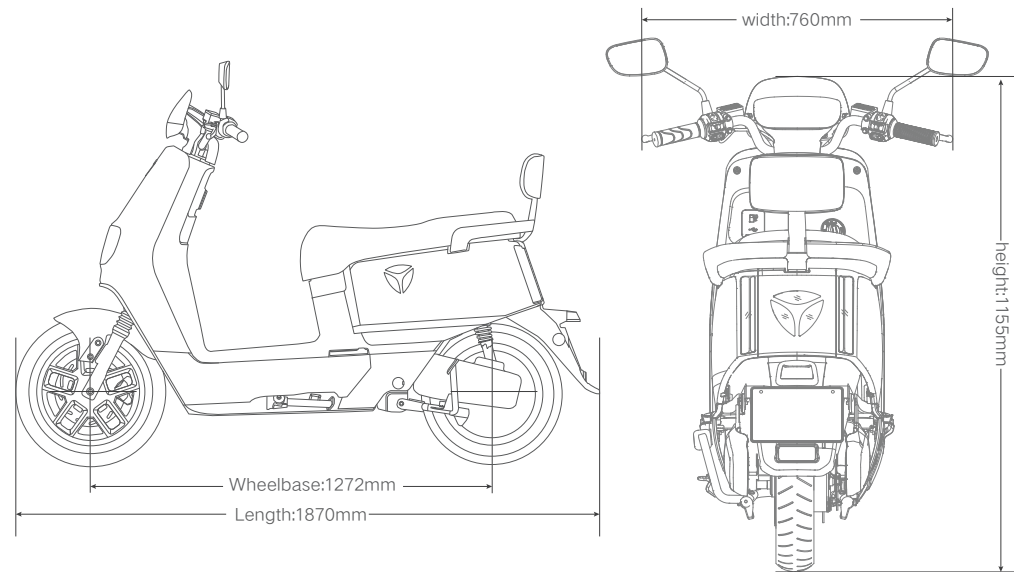
- The purpose of this manual is for users to better use the scooter, our company reserves the right to optimize and change the product at any time and the right of interpretation of this manual.
- The picture, technical parameters, performance and function of the scooter will be changed accordingly!

Trouble phenomenon and troubleshooting

The fault phenomenon	Cause of failure and troubleshooting method	
The whole vehicle is not electrified	Power lock failure	Repair or replace the power lock or connector.
	Fuse break	Find out the reason and replace the fuse.
	Poor circuit contact	Re-fix the plug of the power cord.
Turn on the power, instrument displays normally, Speed control handle failure	Low battery voltage	Try charging
	Brake handle failure	Repair or replace the power-off brake handle
	Speed control handle failure	Replace the speed regulating handle.
	Controller or motor failure	Contact the authorized service station for inspection and maintenance.
After one charge Less than range	Insufficient tire pressure	Inflate the tire to the standard air pressure.
	Insufficient charging	Insufficient charge, check the charger and fully charge the battery.
	Battery aging	Contact an authorized service station to replace the battery.
	Abnormal braking	Adjust the brakes to make the front and rear wheels rotate smoothly.

The fault phenomenon	Cause of failure and troubleshooting method	
After one charge Less than range	Mechanical transmission blockage	Lubricate the rotating and transmission parts regularly.
	Road conditions	There are many uphill situations, strong headwinds, frequent braking and starting, heavy load, etc.
Other faults	When you can't troubleshoot or judge the fault by yourself through the above instructions, or when the motor, controller, charger and battery pack are damaged, please contact the resident authorized service station in time, and don't open the above components without authorization, or you will lose the warranty promise of our company.	

12. Specification



Model	E8S/E8S PRO	E8S Lite
Lengthxwidthxheight	1870x760x1155mm	1870x760x1155mm
Wheelbase	1272mm	1272mm
Minimum ground clearance	110mm	110mm
Scooter kerb mass	76kg	76kg
Brake type(front/rear)	Front:Disc/Rear:Disc	Front:Disc/Rear:Disc
Brake control mode(front/rear)	Front:hand control/rear:hand control	Front:hand control/rear:hand control
Type of rim(front/rear)	Front:2.15-12/Rear:2.15-12	Front:2.15-12/Rear:2.15-12
Tyre specifications(front/rear)	Front:90/80-12/Rear:90/80-12	Front:90/80-12/Rear:90/80-12
Tyre pressure(front/rear)	Front:250kPa/Rear:250kPa	Front:250kPa/Rear:250kPa
Transmission mode	/	/
Motor type	Permanent magnet motor	Permanent magnet motor
Motor rated voltage	72V	72V
Motor rated speed	710r/min	710r/min
Motor rated torque	27N.m	27N.m
Motor rated power	2kW	2kW
Battery type	Lead-acid	Lead-acid
Battery rated capacity	38Ah	23Ah

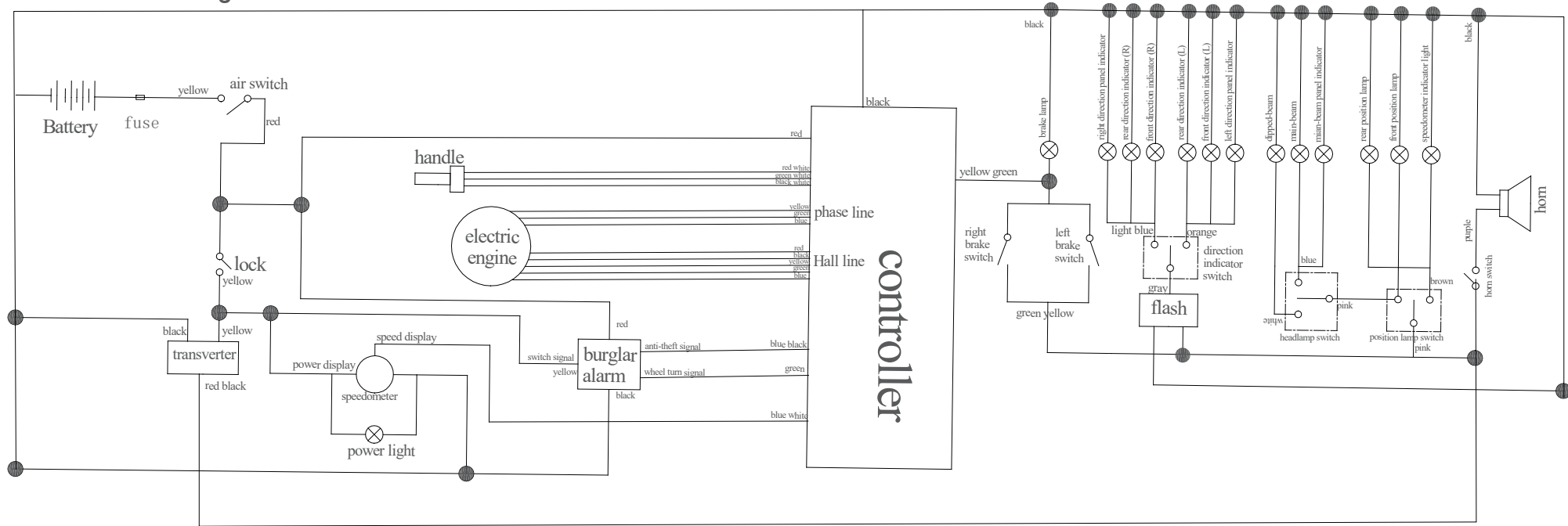
Battery nominal voltage	72V	72V
100km electricity consumption	4.2kW.h/100km	3.2kW.h/100km
Undervoltage protection value	63.5V	63.5V
Overcurrent protection value:	50A	50A
Charger input power	220V/50Hz	220V/50Hz
Maximum speed	65km/h	25km/h
Driving range	112km	83km
Grade ability	12°	12°



ATTENTION:

- **The purpose of this manual is for users to better use the scooter, our company reserves the right to optimize and change the product at any time and the right of interpretation of this manual.**
- **The picture, technical parameters, performance and function of the scooter will be changed accordingly!**

13. Electrical schematic diagram



Appendix 1 Maintenance Record

Date	Malfunction Description	Service Station	Serviced by	Remarks

Date	Malfunction Description	Service Station	Serviced by	Remarks

Date	Malfuntion Description	Service Station	Serviced by	Remarks

Date	Malfuntion Description	Service Station	Serviced by	Remarks