

OKAI ES-400A

OKAI

The manufacturer reserves the right to change and release the product  
Firmware update and keep this manual up to date.

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## User Manual

Original Instructions

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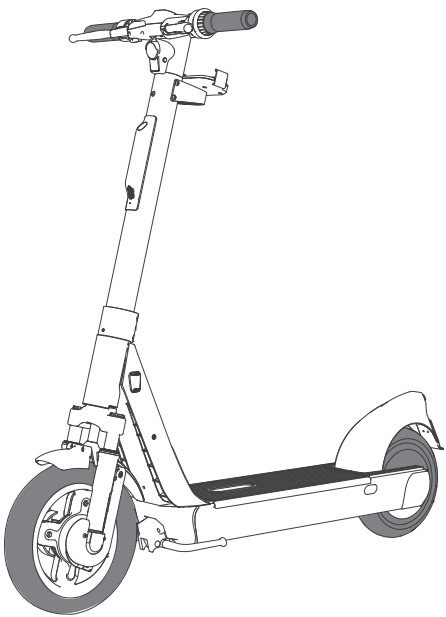
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1.Intrudction

Thank you for purchasing the OKAI E-Scooter. We want our customers to safely use the OKAI E-Scooter so that they can enjoy the product worry free. Riding an OKAI E-Scooter can be dangerous. It is important that you practise and get a feeling of the safe use of your OKAI E-Scooter. Read the Instruction manual before use and keep it for future reference. If you pass theOKAI E-Scooter to others, also pass this instruction manual along. Non-observance of this instruction manual can cause severe injuries and/ or damage the product. To ensure a better legibility the following text refers to the OKAI E-Scooter as product.










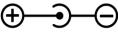









## 1-1.Technical Data

Item	Content	ES-400A (9.6Ah)	ES-400A (16Ah)
Vehicle Specifications	Dimensions(product open): length,width,height	1200*505*1220(mm)	
	Dimensions(product folded): length,width,height		
	N.W.	27.2kg (9.6Ah)	29.2kg (16Ah)
	Maximum Speed	25km/h	
	Range	≤40km 9.6Ah	≤60km 16Ah
	Maximum Gradient	20%	
	Adapted Terrain	Flat land/mountain land	
	Operating Temperature	0~40°C	
	Storage Temperature	-20~40°C	
	IP Rating	IP55 for vehicle,IP67 for Electrical parts	
	Charging Time	4.8H for 9.6Ah battery with 2A charger, 3.2H for 9.6Ah battery with 3A charger.	5.3H for 16Ah battery with 3A charger.
Battery Specifications	Rated Voltage	48V	
	Max Charging Current	5A	
	Rated Capacity	9.6Ah	16Ah
	BMS	Negative pole ports	
	Battery Quantity	1	
	Swappable battery?(Yes or No)	YES	
	Charging cabinet version	CB1.0	
Motor Specifications	Motor Size	10 inches	
	Max Torque	28N.m	
	Rated Voltage	48V	
	Rated Power	350W	
	Max Power	800W	
	Motor Control Mode	Brushless DC	
Brake	Braking Distance	Dry Pavement:3.5m	

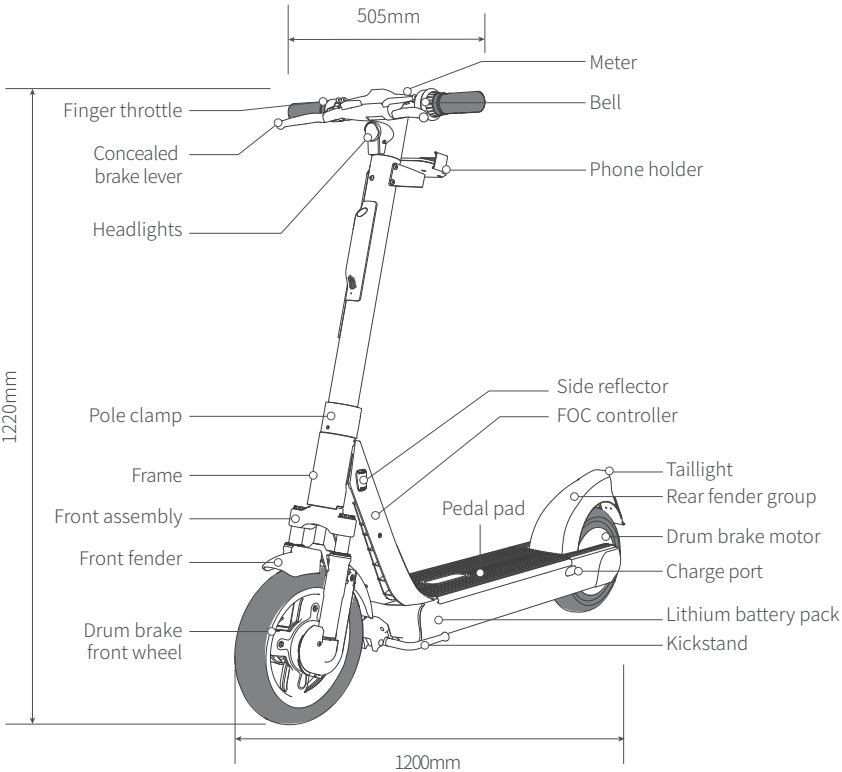
Item	Content	ES-400A(9.6Ah)	ES-400A(16Ah)
Brake	Brake Mode	Front:Drum brake, Rear:Electromagnetic brake + mechanical drum brake	
Tire	Tire Size	Front: 12in/Rear:10in	
	Tire Material	Front: Pneumatic Tire Rear: Maintenance-free rubber tires	
Charger	Output Power	110/163/218W	
	Input Voltage	100-240V	
	Output Voltage	54.6V	
	Output Current	2/3/4A	
User	Max Load	100kg	
	AGE Recommended	14 years and over	
	Height Required	120-200cm	
Characteristics	Brake Lights	Highlighted	
	Driving Mode	Non zero Start(Rear Drive)	
	Certification	CE,ROHS,WEEE,EN14619,FCC, Sea,land and air transport certifications,in conformity with German standards	
Packing	Modes of packing	4pcs/pallet	
	G.W.	140kg	148kg

\*Specifications are subject to change without prior notice

1-2.Symbols Explanation

	The signal word that indicates a hazard with a high level of risk which,if not avoided,will result in death or serious injury.
	The signal word that indicates a hazard with a medium level of risk which,if not avoided,could result in death or serious injury.
	The signal word that indicates a hazard with a low level of risk which, if not avoided, could result in minor or moderate injury.
	This symbol marks additional information and explanations with regards to the product and its use.
	This symbol stands for "Conformité Européenne", which means "Conformity with EU-directives". With the CE-marking the manufacturer confirms that this product complies with applicable European directives and regulations.
	This symbol stands for "tested safety". Products which carry this symbol comply with the German Product Safety Law (ProdSG).
	Read the instruction manual carefully and completely before use.
	Polarity indication (+) and (-).
	This product is classified as protection class II.
	Permitted maximum speed: 25 km/h.
	The product must only be used by persons with a weight of more than 30 kg and less than 100 kg.
	Wear Personal Protective Equipment (PPE).
	The product must only be used by one person at a time.
	Only use on flat, dry and even surfaces.
	Do not use the product after consuming alcohol, sedatives or psychoactive drugs.
	Minimum age (user): 14 years
	Do not enter roads marked with these signs.

1-3.Schematic Diagram of a completed Scooter





## 2.Intended Use

- The product is designed for normal city traffic on public roads. No driving license is required.
- Driving on uneven terrain is prohibited. Otherwise there is an increased risk of injury due to accidents.
- The product is only intended to be used on flat, dry and even surfaces. It is not intended to be used up and down the stairs; on escalators; or surfaces with oil/ice.If you encounter uneven pavement, lift the product and walk past the obstruction.
- The product must only be used by one person at a time.
- The product must not be used to transport passengers, objects or animals.
- The product is not a toy and is not suitable for children under 14 years.
- The product must only be used by users weighing more than 30 kg and less than 100kg. The user height should be in a range of 120-200 cm.
- Do not try to open or modify the product. Modifications void the warranty.Only use the product as described in this instruction manual. Any other use can cause severe injuries to the user/bystander and damage to the product and/or other property.
- Use this product with common sense and at your own risk. Be careful and know your limitations. Zhejiang OKAI Vehicle Co.,Ltd. is not liable for damages or injuries resulting from the use of this product.
- Always be cautious and vigilant. Even during normal use external factors(bystanders, environment, weather) can compromise user's safety.

## 3.Safety Instructions

### 3-1 General Safety Instructions

It may be dangerous to use this product! Learn to use the product step by step and spend enough time practicing. Please follow all the tips and warnings set forth in this manual to reduce risks, which cannot eliminate all risks. Therefore, even if you have enough practices, guidance or expertise, you may still lose control, collide or fall over, which may cause serious consequences.

1. Maximum speed allowed: 25km/h; speed limit of the German version: 20km/h.
2. Pregnant women, the disabled, and those who suffer heart, head, back or neck diseases (or have undergone operations on these parts) should not use this product.
3. Do not use this product after taking alcohol, sedatives or psychoactive drugs, so as not to affect your judgment.
4. Keep a distance of at least 1m from pedestrians, other vehicles and any obstacles.
5. This product can only be used when the environment permits it and the personal safety of bystanders is guaranteed.
6. Pay attention to the obstacles in front places and those far away, the unobstructed view will be helpful for safe use!
7. This product may be used by only one person. It is forbidden to use this product with others. Don't make sharp turns when driving the scooter at high speed.
8. Avoid sudden acceleration or sudden braking; do not lean your body for acceleration.
9. Excessive forward or backward is strictly prohibited.
10. Do not misuse this product. Do not use this product on roadsides, ramps, in skate parks, empty swimming pools, or any place similar to sliding plates.
11. Do not use this product to cross obstacles, slopes, ice or snow, nor climb up or down steep slopes, stairs or escalators. Do not expose this product to the rain.
12. Do not use this product in places where the depth of the puddle exceeds 2cm, because water may enter the motor.
13. Don't jump on this product. Don't try to use this product to do any acrobatics or juggling.
14. In order to avoid distraction when driving the scooter, please do not wear earphones, earplugs, make or answer calls, take pictures or videos or do any activities that are not related to driving, so that you may monitoring the external environment well while driving the scooter.
15. Be sure to hold both handles when using this product.
16. Do not use this product at night or in places with poor light.

17. When you encounter pedestrians or other obstacles, check if you can pass safely.
18. Please use this product and its accessories at an appropriate temperature. Pay attention to the temperature requirements for battery charging.
19. Please always wear personal protective equipment (to protect wrists, knees, head and elbows) suitable for your weight and size to prevent injury. In working areas, local laws or regulations may have minimum requirements for helmets. In addition, it is suggested that safety mirrors be worn.
20. Do not hang this product with other products or vehicles.
21. When being not used, this product should be parked with the foot support device.
22. Any load added to the handle will affect the stability of the scooter.
23. Accessories and additional parts not approved by the manufacturer should not be used.
24. **Warning:** The braking distance will be extended under humid conditions.
25. Before using the scooter, check whether its steering system is adjusted correctly, all connecting elements (such as the folding system) are properly tightened, and the brakes and wheels are in good condition.
26. **Warning!** If any mechanical parts are subject to great external pressure and wear, different materials and parts may react differently to wear. If a part exceeds the expected service life, it may suddenly break, which may cause injury. Cracks, scratches and discoloration in the area affected by external pressure indicate that the part has exceeded its service life and should be replaced in time.
27. **Warning:** Please keep the plastic cover away from children to avoid suffocation.
28. Please spend enough time practicing how to use this product, so as to avoid accidents caused by lack of skills.
29. If training is required, the seller may provide corresponding training tutorials.
30. When you are approaching pedestrians or cyclists, you may flip / turn the bell for reminding them.
31. When passing a protected passage, please get off and walk through it.
32. Pay attention to protect your own safety and the safety of others in all cases.
33. Do not use this product for other purposes such as carrying people and objects.
34. Using the brake for a long time may cause heating, and thus do not touch it.
35. Regularly check all kinds of bolts, especially the axle, folding system, steering system and brake shaft.
36. If sharp edges appear during use, please remove them in time to avoid injury.

37. It is prohibited to refit this product, including steering tubes, steering sleeves, steering rods, folding mechanisms and rear brakes.
38. During use of this product, the noise should not exceed 70dB.
39. Please make sure to turn off the power of the product when charging it.
40. Users must wear shoes when using this product.

Failure to use common sense and heed the above warnings will increase the risk of serious injury or even death, so be careful!

## 3-2 Battery Safety Instructions

- Batteries shall not be exposed to excessive heat such as sunshine, fire or the like. Danger of explosion!
- Fully charge the battery if not in use for over 30 days.
- Fully charge the battery every 90 days, or the battery may self-discharge and get damaged.
- If the battery releases a strong odour or becomes hot, stop using the product immediately. Do not open the housing of the product and do not try to remove the battery yourself.
- The battery is to be disposed of safely.

## 3-3 Battery Charger Safety Instructions

- The product is only to be used with the battery charger provided.
- This battery charger is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the battery charger.
- Cleaning and user maintenance shall not be made by children.
- Regularly check the power plug and power cable for damage. If damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

- Disconnect the battery charger from the power supply and allow it to cool before cleaning, storage and transportation.
- Protect the electrical parts against moisture. Do not immerse them in water or other liquids while cleaning or during use to avoid electric shock. Do not hold the battery charger under running water.
- Check the battery charger regularly for damage. A damaged battery charger must be repaired before use. Do not use the battery charger, if it has been exposed to shocks or impacts, if it has been dropped or damaged in any other way.
- Never connect a damaged product to the battery charger. Risk of electric shock!
- Never dismantle the battery charger. Repairs must be performed by an accredited after-sales service. Incorrect assemblies could cause fire or electric shock.
- Never use the battery charger near explosive or flammable materials. There is a risk of fire and explosion.
- Check the technical data before connecting the battery charger to the power supply. Only connect the battery charger to a socket which corresponds to the technical details shown on the rating label. Risk of electric shock! The battery charger is intended for indoor use only.
- Do not misuse the battery charger. The battery charger is only intended to be used with the battery built inside the product. Other uses could lead to fire or electric shock.
- the battery charger and the charging port are connected correctly and not obstructed by foreign objects.
- Keep the charging port clean and dry, and protect it from dirt and humidity. Do not place any objects on the battery charger and do not cover it, as this could lead to overheating. Do not place the battery charger close to a heat source.
- Always place the power cable in such a way that no one can trip over, step on it or damage it in any other way. Failure to do so can lead to a risk of material damage and injuries.
- Do not disconnect the battery charger from the power supply by pulling the power cable. Always pull the plug itself.
- Do not charge non-rechargeable batteries.

## 4. Safety Instructions

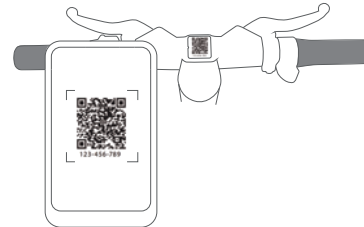
- This section provides information on how to correctly use the product. It is important to adhere to these instructions for the user's safety and longevity of the product

### 4-1 Before First Use

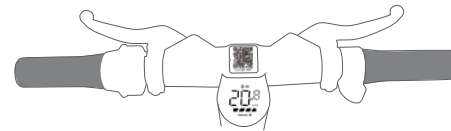
1. Wear helmet box protective gear.



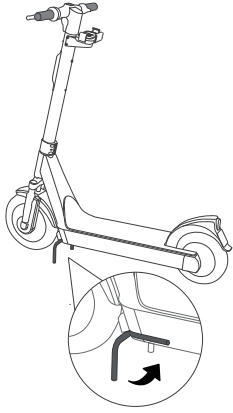
2. Scan the QR code with the app and follow the instructions in the app.



3. The meter screen lights up, and IOT emits a sound, indicating that the boot is successful.



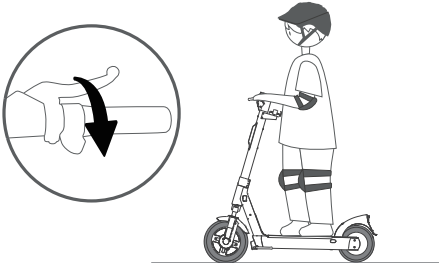
4. Check if the handlebar brake is normal.



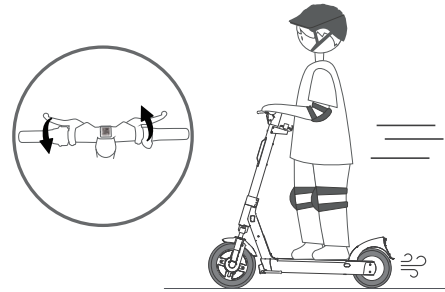
5. One foot stands on the foot pedal, the other foot leaves, and begins to glide.



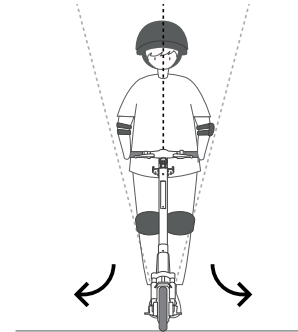
6. Place the other foot on the footrest to keep your feet stable. When balancing attention, press the throttle on the right to accelerate. For your safety, the motor will not start until the scooter reaches 3.1 mph (5 km / h).



7. Slow down by releasing the throttle: brake by squeezing the brake lever.

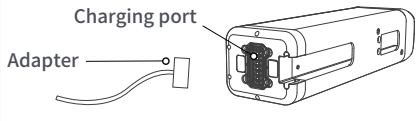
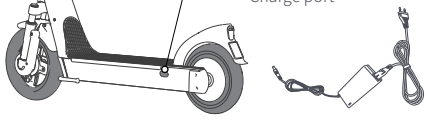


8. To change your weight while turning, turn the handle slightly.



## 4-2 Charging the battery

- The ES-400A's lithium battery can be removed quickly, we offer two charging ways. (Mode 1: charging connector)

1. Take out the battery and Charge with a charger.	2. Plug the charger in to the charge port directly.
 <p>Charging port</p> <p>Adapter</p>	 <p>Charge port</p>

## 4-3 Riding

### Pre-ride Checklist

- Wheels - Check that the wheels are not damaged or worn excessively. Verify that the front tire pressure is sufficient.
- Loose parts - Ensure that all parts, such as nuts, bolts and fasteners are secure. There should not be any unusual sound from loose parts or broken components.
- Area of operation - Ensure that the area of operation is open and flat, free of any obstructions.
- Laws and regulations - Always check and obey any local laws or regulations. When using the product on public roads always comply with local laws and regulations (in Germany StVo).
- Safety gear - Always wear personal protective equipment (wrist, knee, head and elbow protection). Helmet may be legally required by local law or regulation in your area.

**⚠ WARNING**: Do not ride while holding the product with just one hand. Do not attempt any stunts or tricks while riding.

**⚠ WARNING**: Travelling at a moderate speed will increase the mileage, while travelling at high speeds for extended periods, frequent starts, stops, idling, along with frequent acceleration and deceleration will reduce the mileage.

## 5. Maintenance, Cleaning and Care

### 5-1. Maintenance

Please follow the maintenance SOP provided by our company for the maintenance of this product and its accessories. Should you have any question, please contact us.

If the bearing is damaged, please replace the front wheel or the rear wheel.

### 5-2. Cleaning

- Before cleaning, switch off the product.
- Prior to every cleaning, unplug battery charger from the power supply and unplug the charging cables from the product.
- Never use solvents or abrasive cleaners, hard brushes, metallic or sharp objects when cleaning. Solvents are harmful and can damage plastics; abrasive cleaners and aids can scratch surfaces.
- Clean the battery charger and the product with a slightly damp cloth. Subsequently, wipe all parts with a dry cloth.

**⚠ WARNING**: Do not immerse the product or the battery charger in water or other liquids. Do not hold the product or the battery charger under running water. Risk of electric shock!

**⚠ WARNING**: Do not clean the product with a water pressure cleaner.

## 5-3. Storage and Transportation

Store the product in a dry and clean location, inaccessible to children, preferably in its original packaging.

During transportation, switch off the product.

The product should only be shipped in its original packaging. Do not throw the packaging away as it may be needed to transport the product in future. Secure the product during transportation (for example, using bungee cord straps) to prevent it from falling or tipping over. Protect the product from impacts and vibrations, especially when transporting it in vehicles.

**⚠ WARNING**: WARNING: The product contains a built-in Li-Ion battery. Li-Ion batteries are deemed dangerous goods for transportation and may only be transported if permitted by local provisions and regulations.



If you are planning to travel with the product by plane or any other means of transportation, check with your transportation company if transport of the product is possible and permitted.

## 6. Disposal



This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To dispose the used product, connect with the return and collection system or contact the retailer where the product was purchased. They can take this product for environmental safe recycling



Dispose of batteries environmentally friendly. Do not dispose of batteries with regular household waste. Connect with the return or "collections systems of your community or contact the retailer where you purchased this product.



Packaging material can be conveyed back to the raw material cycle. Dispose of packaging material in accordance with legal provisions. Information can be obtained from the return or collections systems of your community