

ELECTRIC SCOOTER



ES-2 Instruction Manual

Note: Please keep this operation manual safe, read it carefully, and do not use the product until you understand the operating performance of electric scooters.

COMPANY PROFILE

Since its establishment in California in 1982, DAHON has been leading the development of the folding bicycle industry. DAHON has successively established branches and factories in mainland China, Taiwan, the Netherlands, and Macau. It has also been hailed as "the world's largest manufacturer of folding bikes" by Guinness World Records. DAHON bicycles are not only best-sellers all over the world, but have also won many national awards.

Dahon's first folding bicycle was developed by American aerospace expert Dr. David Hon. The company is committed to creating environmentally friendly products, with technology, style and humanity at their core. DAHON has fostered top R&D engineers in the industry and is equipped with advanced production equipment. Thanks to these talents and technology, its annual production capacity reaches 500,000 units. After decades in the industry, DAHON has more than 400 patents worldwide, and its patents have been licensed to many top peer companies. As one of the first companies in the industry to pass the ISO9001 quality system and TUV international certification, DAHON's market development direction has attracted the acclaim of the industry. DAHON folding bikes are divided into four categories: city bikes, electric bikes, mountain bikes and sports bikes, with wheel sizes from 12 inches to 26 inches.

Dahon bikes' ergonomic designs bring riders joy, comfort, and help save time and labor. For 40 years, DAHON has always adhered to the principle of quality first, established a complete quality control system, and operated in strict accordance with JIS, CPSC, DIN, BS, AS and other safety standards. Its quality is well trusted by consumers, with DAHON not only known as an excellent folding bicycle company, but as one that strives to realize its operations through advantages accumulated over decades, aiming to provide more professional thoughtful products and services to customers at home and abroad, and then give back to society.

B. PREFACE

Dear customers,

First of all, thank you for choosing our company's products. Everyone at DAHON would like to express our heartfelt thanks for your choice! This manual will introduce you to some common sense pointers and maintenance methods for the electric scooters produced by our company. Please read the manual carefully in order to understand the performance, features, precautions and maintenance knowledge of the vehicle, and ensure that you use it safely, in the best driving condition. In order to ensure the safety of the scooter, please be sure to use our company's authorized spare parts. If you have any questions, please contact our authorized service station or contact our company directly.

When purchasing our products, please fill in the Warranty Registration completely and clearly keep the "User Maintenance" page in a safe place, and deliver the other two pages to the company's relevant service station or distribution partner, so that we can contact and serve you in good time. In the coming days, we will wholeheartedly provide you with convenient, timely, fast and satisfactory service! Please read the manual carefully before use, and do not use the scooter before you understand its characteristics (especially the "danger", "warning", and "caution" clauses).

Danger: Ignoring this warning may cause personal injury, and can result in damage to the vehicle and its components. Follow our guidance in this manual on what you must or must not do.

C. PRODUCT SPECIFICATIONS

Model: ES-2

Charging time: 4h

Weight: 12.7kg

Frame material: Aluminum alloy 6061

Power display: LCD meter

36VStart mode: non-zero start

Battery type: lithium battery

Motor type: Brushless gearless motor

Current limit: $17 \pm 1A$

Rated power: 350W

Battery capacity: 7.5 AH

Output current: 2A

Charger input voltage: Ac100-240V

Single charge power consumption: 0.3 kilowatt hour

Folded dimensions: 104x32x15cm

Range: 30 km

Safety speed: 25 km/h

Climbing ability: < 20 Degree

Front and rear tires: 10"x 2.125

Brake system: front and rear disc brakes

Rated speed: 660rpm

Under voltage: $29 \pm 1V$

Rated voltage: 36V

☆Important notice

1. The diagrams and text descriptions in this manual are only used to illustrate the operation, should not be used as a basis for product inspection.
2. The illustrations in this manual may not match the actual product, and the actual sales specification shall prevail.
3. The company has the right to improve related configuration, in order to improve product performance, without prior notice.
4. This scooter can only be ridden by a single person.

D. UNFOLDING AND FOLDING

Unfolding operation diagram



Folding operation diagram



E. PRODUCT NOTES

A. Read before riding

1. This product can only be used by one person at one time. It is strictly prohibited to carry multiple people and objects at the same time.
2. Before riding, you must put on a helmet. Be sure to practice in an area free of motor vehicles. Only after mastering driving skills such as acceleration, braking and balance, you can drive on the road.
3. To avoid injury, please do not ride the product with one hand, or hands free.
4. Do not turn off the power when the E-scooter is running.
5. Please do not drive on any road which is unsafe or in violation of laws and regulations.
6. When the E-scooter is moving, keep your feet on the E-scooter and do not jump off the vehicle when it is at high speed.
7. In the course of driving, if you encounter obstacles, you need to slow down or get off the E-scooter. To avoid personal injury and product damage, do not directly pass over steps or bumps more than 3cm high, or obstacles or ditches wider than 3cm.
8. Do not drive on any road with water, oil or snow, to prevent the wheels from skidding or the scooter overturning.
9. Do not soak the product in more than 5cm of water, so as not to cause motor and circuit faults.
10. Please check the brake sensitivity before every ride. When the brake is too loose, be sure to tighten the brake line in good time.
11. Do not use this product in an environment colder than -5 degrees Celsius.

B. Riding Notes

1. The scooter has a non-zero start function and cannot be started in a stationary state. Instead, it needs to be assisted by motion and can only be started after a certain speed.
2. The power switch and power display are shown in the figure below.
3. Long press the power button; when the display lights up, it means the motor is turned on. You may then press down the Accelerator to drive forward (the remaining battery power is displayed on the display, please pay attention to recharge timely).
4. Press down the Accelerator for acceleration and speed control.
5. Short-press the level button to switch from low speed to high speed.
6. When you need to stop riding, stop pressing on the Accelerator first and then brake gently to slow down until you come to a complete stop. Then place your feet on the ground. Be careful not to slam on the brakes.







F. CHARGING

1. Each scooter is equipped with a special lithium battery and smart charger. Do not use other brand chargers to charge it. If not charging properly, please contact Customer Service.
2. The first charge must be at least 4 hours.
3. The smart charger has an over-charge protection function; when the battery is 100% fully charged, charging will automatically stop. To avoid a short circuit from rainwater, the protective cover must be closed after completion of charging.
4. The battery used in this product is a 18650 high-energy lithium battery. To minimize damage to battery performance, it needs to be charged once a month at least.
5. Charging steps:
 - 1) When charging, please insert the charging end plug of the charger into the charging port on the scooter.
 - 2) When the charger is plugged into a mains socket, then the charger indicating light will glow red to indicate charging has started.
 - 3) When charging is complete, the charger indicator turns green, indicating that the battery is fully charged.

C. Display Introduction

- | | |
|---|--|
| 1 Headlight  | 3 Speed  Unit: KM / H |
| 2 Battery state  | 4 Speed Level  |

D. Support instruction

1. Long press  to turn on the E-Scooter; short press to turn on/off the headlights
2. Short press  to change the levels between ECO, MID, and HIGH. 
3. Long press  to enter the setting, then short press to set the diameters of ODO/TRIP/VOL display.

- 4) After charging is completed, first unplug the power plug of the charger, and then unplug the Charging plug connected to the E-scooter.
6. According to the characteristics of lithium batteries, try to avoid charging a fully spent battery. Otherwise, the battery performance may be damaged and endurance will be affected.
7. Other: Make sure if the screws in the front wheel, rear wheel and other areas are well tightened before every ride.
8. Other: Check the brake performance regularly. If the brake line is debugged and the brake performance is still poor, or the brake is noisy, it is necessary to find a dealer to replace the brake pads.

1. What should I do if the electric scooter still cannot drive after being charged?

Answer: Please make sure the power is turned on, then press the Accelerator. If it still cannot drive, please consult with the dealer or contact after-sales customer service.

2. Why is there shaking when riding on uneven roads?

Answer: Because the scooter is designed for smooth road use, as the wheel diameter is small, the damping ability is relatively weak. Therefore, in daily travel, try to choose a relatively smooth road.

3. Is it possible to use it in the rain?

Answer: It can be used, but it is important to avoid immersing the bicycle in water with a depth of more than 5cm for a long time. The charging protection cover should be kept closed when in use. Do not drive too fast, and do take extra care not to brake suddenly.

4. If you are experiencing problems not covered above, please contact your local dealer, and we will be happy to help you.

Quality problem caused by non-human reasons and the below warranty terms will be solved properly by dealers, distributors & DAHON

Accessories	Quality problem	Shelf life
Motor	The motor cannot be used	One year
Accelerator	Cannot be used under natural conditions	One year
Controller	Failure under normal use	One year
Charger	Failure under normal use	One year
Battery	Cannot be charged and discharged under normal use	One year
Frame & Fork	Under normal use, deformation and fracture meaning it can not continue use	One year

During the warranty period, damage and malfunctions caused by the following reasons will not be covered by the warranty:

1. Failure to do proper maintenance in accordance with this instruction manual.
2. Use of the scooter for other purposes, to perform stunts and other dangerous actions, which results in product damage or functional failure.
3. Arbitrary modification or use of spare parts outside of the original manufacturer, arbitrary modification of wiring and installation.
4. Damage caused by misuse, traffic accidents, or other accidental collisions.
5. Damage or functional failure caused by driving off roads.
6. Commercial leased use, or unlicensed improper use.
7. Reasons of force majeure or natural disasters.
8. Exposure of the product to the sun for a long time, or leaving it outdoors for a long time, causing rapid aging and malfunction of the product.