

kaabo

USER MANUAL

Skywalker



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BEFORE YOU START

This product is an electric scooter, used for short distance walking, please use this product under safe road

It is important to read through, understand, and adhere to all the instructions and safety warnings in this manual before charging and operating this scooter.

Upon receiving and opening your box, please inspect the contents for signs of damage or loose screws from transport. If something doesn't feel right, please take a few pictures and contact your place of purchase immediately.

Your scooter comes with a 180-day limited warranty against manufacturing defects. In case of any issues beyond this time frame, we will still help you but we may need to charge a fee for spare parts or repairs.

If you have purchased your scooter from a dealer other than kaabo.com, please contact them first in case of any issues. If you still need help or you have purchased directly from kaabo.com, please feel free to contact us with any questions or concerns.

Make sure you understand and adhere to local rules and regulations for riding electric scooters. Riding an electric scooter comes with inherent risks and hazards. To minimize risk of falling or being injured, make sure you understand how to safely operate and control this scooter.

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PRODUCT DIAGRAM 8



- | | | |
|---------------------|-------------------------|--------------------|
| [1] Handle | [2] Light & Horn Switch | [3] Display |
| [4] Folding Lever | [5] T Bar | [6] Lock Nut |
| [7] Main Tube | [8] Light & Horn | [9] Protection Pin |
| [10] Shock Absorber | [11] Pedal | [12] Rear Light |
| [13] 8" Tire | [14] Kickstand | [15] Motor |

SPECIFICATION 8

Configuration	36V / 10.4A	36V / 21A	48V / 13A
Max. Range	28-32 km	65-70 km	45-50 km
Max. Speed	25 km/h		
Charging	3-5 h	6-8 h	4-6 h
Motor	350 w		500 w
N.W	16 kg	18 kg	19.3 kg
Brake	Rear Drum Brake + Electronic Brake		
Shock Absorber	Front Shock Absorber		
Tire	8.0 x 2.0 Tires 175Kpa		
Open Size	1050 x 560 x 1150 mm		
Folding Size	1100 x 190 x 320 mm		
Package Size	1070 x 260 x 430 mm		
Product category	EN 17128 CLASS 2		

* The specification can be changed by the manufacturer to meet the requirements and laws of different countries and regions.

* The distance can be affected by loaded weight, wind direction, wind speed, riding surface density, slope, and tire condition.

PRODUCT DIAGRAM 8H



- | | | |
|---------------------|-------------------------|--------------------|
| [1] Handle | [2] Light & Horn Switch | [3] Display |
| [4] Folding Lever | [5] T Bar | [6] Lock Nut |
| [7] Main Tube | [8] Light & Horn | [9] Protection Pin |
| [10] Shock Absorber | [11] Pedal | [12] Rear Light |
| [13] 8" Tire | [14] Kickstand | [15] Motor |

SPECIFICATION 8H

Configuration	36V / 10.4A	36V / 21A	48V / 13A
Max. Range	28-32 km	65-70 km	45-50 km
Max. Speed	25 km/h		25 km/h
Charging	3-5 h	6-8 h	4-6 h
Motor	350 w		500 w
N.W	17.3 kg	19.4 kg	18.6 kg
Brake	Rear Drum Brake + Electronic Brake		
Shock Absorber	Front and Rear Shock Absorber		
Tire	8.0 x 2.0 Tires 175Kpa		
Open Size	1050 x 560 x 1150 mm		
Folding Size	1100 x 190 x 320 mm		
Package Size	1070 x 260 x 430 mm		
Product category	EN 17128 CLASS 2		

* The specification can be changed by the manufacturer to meet the requirements and laws of different countries and regions.

* The distance can be affected by loaded weight, wind direction, wind speed, riding surface density, slope and tire condition.

PRODUCT DIAGRAM 8S



- | | | |
|---------------------|-------------------------|--------------------|
| [1] Handle | [2] Light & Horn Switch | [3] Display |
| [4] Folding Lever | [5] T Bar | [6] Lock Nut |
| [7] Main Tube | [8] Light & Horn | [9] Protection Pin |
| [10] Shock Absorber | [11] Pedal | [12] Rear Light |
| [13] 8" Tire | [14] Kickstand | [15] Motor |

SPECIFICATION 8S

Configuration	48V / 13A
Max. Range	40 - 45 km
Max. Speed	25 km/h
Charging	4 - 6 h
Motor	800 w
N.W	22 kg
Brake	Rear Disc Brake + EABS Electronic Brake
Shock Absorber	C Shock Absorption
Tire	85mm Solid Tire 175Kpa
Open Size	1100 x (520 ~560) x 1150 mm
Folding Size	1080 x 190 x 350 mm
Package Size	1120 x 260 x 430 mm
Product category	EN 17128 CLASS 2

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* The distance can be affected by loaded weight, wind direct, wind speed, riding surface density, slope and tire condition.

PRODUCT DIAGRAM 10



- | | | |
|---------------------|-------------------------|--------------------|
| [1] Handle | [2] Light & Horn Switch | [3] Display |
| [4] Folding Lever | [5] T Bar | [6] Lock Nut |
| [7] Main Tube | [8] Light & Horn | [9] Protection Pin |
| [10] Shock Absorber | [11] Pedal | [12] Rear Light |
| [13] 8" Tire | [14] Kickstand | [15] Motor |

SPECIFICATION 10

Configuration	36V / 10.4A	36V / 21A	48V / 13A
Max. Range	28-32 km	65-70 km	50 - 55 km
Max. Speed	25 km/h		25 km/h
Charging	3-5 h	6-8 h	4-6 h
Motor	400 w		500 w
N.W	17.3 kg	19.4 kg	18.6 kg
Brake	Front and Rear Disc Brake + Electronic Brake		
Shock Absorber	No		
Tire	10.0 x 2.25 / 10.0 x 2.5 tires 250Kpa/310Kpa		
Open Size	1135 x 560 x 1200 mm		
Folding Size	1120 x 240 x 360 mm		
Package Size	1200 x 300 x 450 mm		
Product category	EN 17128 CLASS 2		

* The specification can be changed by the manufacturer to meet the requirements and laws of different countries and regions.

* The distance can be affected by loaded weight, wind direction, wind speed, riding surface density, slope and tire condition.

PRODUCT DIAGRAM 10H



- | | | |
|---------------------|-------------------------|--------------------|
| [1] Handle | [2] Light & Horn Switch | [3] Display |
| [4] Folding Lever | [5] T Bar | [6] Lock Nut |
| [7] Main Tube | [8] Light & Horn | [9] Protection Pin |
| [10] Shock Absorber | [11] Pedal | [12] Rear Light |
| [13] 8" Tire | [14] Kickstand | [15] Motor |

PRODUCT DIAGRAM 10H

Configuration	36V / 10.4A	36V / 21A	48V / 15.6A
Max. Range	28-32 km	65-70 km	50 - 55 km
Max. Speed	25 km/h		25 km/h
Charging	3-5 h	6-8 h	4-6 h
Motor	400 w		800 w
N.W	19.6 kg	21.7 kg	21.4 kg
Brake	Front and Rear Disc Brake + Electronic Brake		
Shock Absorber	Front and Rear Shock Absorber		
Tire	10.0 x 2.25 / 10.0 x 2.5 tires 250Kpa/310Kpa		
Open Size	1186 x 560 x 1200 mm		
Folding Size	1170 x 240 x 360 mm		
Package Size	1240 x 300 x 430 mm		
Product category	EN 17128 CLASS 2		

* The specification can be changed by the manufacturer to meet the requirements and laws of different countries and regions.

* The distance can be affected by loaded weight, wind direction, wind speed, riding surface density, slope and tire condition.

PRODUCT DIAGRAM 10C



- [1] Handle
- [2] Light & Horn Switch
- [3] Display
- [4] Folding Lever
- [5] T Bar
- [6] Lock Nut
- [7] Main Tube
- [8] Light & Horn
- [9] Protection Pin
- [10] Shock Absorber
- [11] Pedal
- [12] Rear Light
- [13] 8" Tire
- [14] Kickstand
- [15] Motor

PRODUCT DIAGRAM 10C

Configuration	48V / 15.6A	60V / 13A
Max. Range	55km	45km
Max. Speed	25km/h	25km/h
Charging	8h (2A charging)	7h (2A charging)
Motor	800w	1000w
N.W	23.7kg	24kg
Brake	Front and Rear Disc Brake + Electronic Brake	
Shock Absorber	Front Type C Shock Absorber Rear Common Shock Absorber	
Tire	10.0 x 2.25 / 10.0 x 2.5 tires 250Kpa/310Kpa	
Open Size	1208 x 560 x 1200 mm	
Folding Size	1220 x 230 x 380 mm	
Product category	EN 17128 CLASS 2	

* The specification can be changed by the manufacturer to meet the requirements and laws of different countries and regions.

* The distance can be affected by loaded weight, wind direction, wind speed, riding surface density, slope and tire condition.

02 SAFETY INSTRUCTIONS

Tips

This chapter is very important. Please read carefully and understand all the instructions. We will not be responsible for any property loss, casualties, accidents, legal disputes caused by violation of the safety instructions in this chapter.

Safety Instruction



1. Do not drive on rainy days.
2. Do not repair by yourself, electric shocks can occur.
3. Please abide by the local road traffic laws.
4. Do not attempt acrobatics while on the scooter.
5. Only one person can drive the scooter at a time.
6. It is best to wear safety protective equipment such as a helmet, gloves, elbow pads and knee pads when riding.
7. Please practice on the open ground first before riding on the road.
8. Adjust the scooter to a suitable height to avoid injury.
9. Charge six hours before the first time to ride the scooter.
10. Do not cut off the power when the scooter is running.
11. Do not ride over a step or bump higher than 3cm to avoid rolling over and possible injury.
12. The scooter temperature range for use and storage should be -5°C to 50°C .
13. If the scooter is not in use for a long time, charge it once every month to maintain the longevity if the battery.
14. Do not ride in puddles deeper than 5cm and avoid splashing water on the scooter in case of motor or electrical faults.
15. Keep feet on the pedal when the scooter is running.



Please do not exceed maximum speed for local traffic requirements when riding this equipment, otherwise there may be danger.

03 OPENING & FOLDING

Open



Kick down the lever to unfold the scooter. Turn the safety pin to the right position to lock it



Pull the T-tubes to the left and right side.



Step3:

Adjust the height by opening the locking nut and moving the main tube up or down.



Step4:

Lock the nut.



IMPORTANT: Before driving, please make sure the folding lock is locked.

Fold



Step1:
Switch off



Step2:
Pull T-tubes to the left and right sides respectively.



Step3:
Fold the handles.



Step4:
Open the locking nut.



Step5:
Withdraw the extension



Step6:
Unlock the protection pin. Kick down the folding lever and push the handlebar forward to fold the scooter. Always keep protection pin in position when the scooter is unfolded.

Speed Control

When the power is on, press the power switch and then the MODE button. The screen will show the level of speed. press Mode to change the Level (L1,L2,L3).

Power Switch

Press the power switch for 3 seconds and the LCD panel will light up, turning the scooter on. If the scooter is left 90 second unmoved, the power will be off automatically.

Power Indicator

The small rectangles indicate battery power levels.



Do not wait until the battery has completely run out to charge the battery. Charge the scooter timely when there is only one or two rectangles left to avoid damage of battery.

Driving Mode Selection



Located underneath the main display on the right side of the handle bar you can find two switches to control driving modes:

The ECO/TURBO switch regulates the power of your scooter. By pressing down the button, ECO mode is activated which will reduce torque and top speed to maximize range. When the button is not pressed, TURBO mode is activated and there is no restriction of power.

The SINGLE/DUAL switch toggles between single or dual motor drive. By pressing down the button, DUAL motor drive is activated. When the button is not pressed, SINGLE (rear) motor drive is activated.

For Maximum range, select ECO mode and SINGLE motor drive. For maximum power and speed, select TURBO mode and DUAL motor drive.

Display Settings

Scooter is equipped with the following display:



Gear change. To change the gear (1=slow, 2=medium, 3=fast), while the scooter is powered ON, press the POWER button to enter gear setting mode. Press MODE to switch between gears. To return to operating mode either press POWER or wait for 2 seconds.

1. Speedometer. Shows the speed at which you are travelling.
2. Battery Indicator. Shows battery levels. Charge your scooter frequently, do not let it run out of battery completely. As a rough guideline, charge at or below 2 bars.
3. Power Button. To turn the scooter on or off, press button for 2 seconds.
4. Accelerator. Pull to accelerate. The stronger you pull, the faster it accelerates. The scooter is delivered in "Non-Zero Start" setting (Kick-And-Go is ON). The accelerator only works if the scooter is already in motion.
5. Mode Button. Press to select various display options:

MODE	COMMENT
TIME	Time since powering on the scooter.
TRIP	Distance travelled since powering on the scooter.
ODO	Total distance travelled.
VOL	Current battery voltage.
CH2:00	Charging mode. Time (2 hours) scooter stays ON (overrides auto-switch off) so you can use the display's USB port to also charge things e.g. your phone.

Detailed P-settings mode. To access P-settings to make various advanced changes, press POWER [3] and MODE [5] simultaneously for 2 seconds.

Scan through the P-settings using the MODE button. To select a P-setting in order to make changes, press the POWER button. Change the value (up or down) using the MODE (Up) and POWER (Down) buttons. To return to the P-settings menu after changing a value, wait 2 seconds. To return to operating mode, wait a further 2 seconds.

P-SETTINGS	
P0	Tire diameter (8 for skywalker 8, 10 for skywalker 10). Do not change.
P1	Controller shut-down voltage. Default set to 52V (minimum is 48V – we recommend 52V to preserve battery life).
P2	Motor magnetic pole setting. Default is 30. Do not change.
P3	Speed signal selection. Default is 0. Do not change.
P4	Distance / speed unit. 0=km, 1=miles
P5	Start setting. 1=non-zero start (Kick-and-Go), accelerator won't work if scooter is not in motion; 0 =immediate start (CAUTION while using this)
P6	Cruise control. 0=cruise control OFF, 1=cruise control ON.
P7	Initial acceleration. 0=strong, 1=soft.
P8	Electric (regenerative) braking (E-ABS). 0=E-ABS off, 1=E-ABS on
PA	Clear total distance travelled (ODO).
PB	Scooter auto-turn off time in minutes.
PC	Display brightness (1=low, 2=medium, 3=high)

Start

You should choose a right place when riding for the first time, which is outdoors and should be flat, smooth, without obstacles or slipperiness. Spread the scooter and adjust the T-tube to the appropriate height.

Driving

1. Press power switch to start.
2. Put one foot on the front section of the pedal and other foot on the ground. Boost yourself forward by the foot on the ground to start riding. Slightly pull the accelerator and tilt your body forwards.
3. When the scooter starts to go forward, place both feet on pedals. The harder you press the accelerator, the faster you will ride.

Parking

Slightly and gradually brake to cut power and slow down. Do not brake hard, otherwise it may lead to tire attrition, or the scooter suffering a sudden loss of power and falling down.

Matters needing attention:

1. The braking distance will be extended in wet weather
2. Different materials and components may react differently to wear or fatigue. If the intended life of a component has been exceeded, it may suddenly break, thus potentially causing harm to the user. Cracks, scratches and discoloration in areas susceptible to high stress indicate that the component has outlived its service life and should be replaced."
3. Please check the light and road conditions when using at night.

Battery & Charger

Every scooter is equipped with a specialized lithium battery and intelligent charger, so do not adopt other brand's chargers. Other types of batteries are not suitable to the scooter's charger.

Lithium Battery

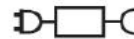
It is time to charge the scooter when the battery meter flickers or there is only one bar of power left. If left the scooter is not used for a long time, please charge it once a month at least, otherwise the battery may become damaged.

Charger

After scooter is fully charged, please unplug power supply in time.

Instruction of Charging

1. Insert the charging plug into the charging port of the scooter first and then plug the other end into the AC supply.
 2. The scooter is charging when the indicator light of the charger shows red. When the red light turns to green, it means the scooter is fully charged.
- Note* It is suggested that to charge one more hour to guarantee the range and endurance



Rated Capacity: 48V  18.2AH Input: 54.6V  2A

- WARNING! Please turn off the vehicle when charging
- WARNING! Don't charge the flooded scooter and check with a professional
- WARNING! Don't charge the scooter when no one is present or while sleeping
- Don't charge the WARNING! Don't charge the scooter when you find an electric shock and check with a Professional
- WARNING! Don't charge or leave the battery storage under a high-temperature above 45 degree
- WARNING! Don't touch the charging port with the wet hands
- WARNING! Do not charge near fire

Scooter T-tubes

Re-lubricate the T-tubes once every six months.



Do not use WD-40 to lubricate the product components.

Tire

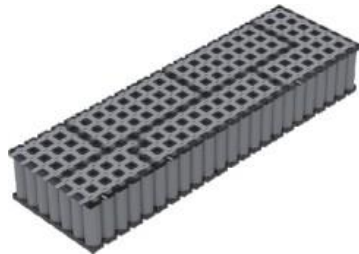
Skywalker 10s tires are both pneumatic tire.

Brake

When braking performance degradation occurs, adjust the regulator (nut) in the rear wheel in order to achieve the required sensitivity.

Battery

The lithium battery of the scooter is able to recharge up to 1000 times.
The battery needs changing when range per full charge shortens sharply.



Checking List

When the scooter is not working normally, please check the following list.

- The power is on.
- There is surplus electricity.
- The brake is unstuck.
- All the hubs and connectors are clean and in accurate link.

Note* If all the above are correct and the scooter still does not work, please consult the vendor's after-sales department.

WARRANTY

When the following issues occur, please consult with the vendor (after-sales department).

Accessory	Quality issue	Guarantee Period	Service
Motor	Out of Service	One Year	Free Repair
Controller	Break down under normal use	One Year	Free Repair
Charger	Break down under normal use	One Year	Free Repair
Battery	Unable to recharge under normal use	One Year	Free Repair
Body Structure	Deformation under normal use or breakage	One Year	Free Repair



The following terms are beyond the scope of warranty:

- 1. Malfunction due to misuse**
- 2. Malfunction caused by unauthorized modifications, disassembling, or repair.**
- 3. Accidental damage or malfunction due to unsuitable storage.**
- 4. Unmatched warranty/proof of purchase and product.**
- 5. Surface damages**
- 6. Disassembling parts unspecified in this manual.**
- 7. Damage or malfunction caused by riding under the rain or soaking in water.**

MEMO
