

# ELECTROMOBILITY

2024/2025



**SENCOR**



## **AN OVERVIEW**

ELECTROMOBILITY

SAFETY

URBAN ELECTRIC SCOOTERS

CHILDREN'S ELECTRIC SCOOTERS

ACCESSORIES



# SENCOR

EVERY TIME, EVERY DAY

## E-SCOOTERS DOMINATE ELECTROMOBILITY

Electric cars, motorbikes, scooters, tricycles, and all kinds of vehicles have become an integral part of our lives. Why are they so popular? Not only have they changed our approach to the environment but they've also given us new possibilities.

### **Electric cars: a global trend with little impact (so far)**

It's estimated that there are about 40 million electric cars on the world's roads. Although this number may seem high, their share of the total number of cars is still small. In fact, there are approximately 1.42 billion combustion engine vehicles. It's interesting to note that China has taken the lead in this segment, accounting for 44% of all EVs. Europe accounts for 28%, and the USA for only 16% of all electric cars. And with the final 12% going to the rest of the world, electromobility has yet to reach a significant point.

### **The electric revolution is already here. In motorised bicycles and scooters**

The spree of electromobility is catered for by very different machines than cars. Motorised bicycles and scooters have become so widespread that we could even call it a small revolution.



The demand for these vehicles isn't so much driven by environmental aspects, we must look elsewhere for the true reasons. The first is the evolution of prices, which are becoming more favourable every year, allowing more and more people to buy electric bikes and scooters. The second motivator is perhaps even more fundamental. All sorts of electric vehicles enable people to live a better quality of life. They get us to work faster and allow seniors to regain an active lifestyle.

### **The popularity of electric two-wheelers continues to grow**

2023 was a particularly successful year in this segment. Technological advances, friendly pricing, and increasingly popular urban scooter sharing led to the sale of nearly 6.88 million electric two-wheelers. This represents an impressive increase of a full 41% compared to the same period in 2022.

### **Not just for ride-sharing**

Electric scooters and their benefits have also spread amongst people thanks to the ride-sharing phenomenon. When Lime launched a large-scale expansion of its e-scooters in Paris in June 2018, they probably didn't expect to gain the top-rated mobile app in the travel segment in such a short time. The very next year, people from more than 50 European cities were able to experience the benefits of e-scooters, and this number is still growing. Electric scooters have quickly become a natural part of our lives.

## **WHY CHOOSE A SENCOR ELECTRIC SCOOTER**

- A smart solution for quick mobility
- Inexpensive operation and affordable prices
- High-quality design and long battery life
- Dual braking system for increased safety
- Different models for different needs



# ELECTRIC DRIVE SAVES TIME AND MONEY

It's no coincidence that electric scooters are so popular. This nimble machine gets you where you need to go quickly and at a reasonable running cost. So, what are the main advantages of e-scooters?

## **A practical and environmentally-friendly city helper**

Thanks to their electric drive, e-scooters are environmentally friendly. Every new machine in the city helps to reduce the number of cars on the streets and consequently their carbon footprint. But it's not just the absence of an internal combustion engine. Being fast and agile, an e-scooter can take you through the city centre in minutes, while a car would need much more time to do so during rush hour.

## **Riding an electric scooter is easy**

It doesn't take any special skills to ride an electric scooter; pretty much anyone can do it. To begin, you just need to push off a few times, know how to keep your balance, and learn to change speed using the lever on the handlebars. The scooter is also easy to fold and carry, meaning you can combine it with public transport on your way.

## **No sweat but muscles engaged**

The motor on the electric scooter does the work for you, so you don't sweat, which is useful when commuting to places like work or school. But that doesn't mean your muscles won't be activated. Even if it seems like you're barely making any movements, you're still engaging your back muscles, legs, shoulders, and core. You'll need all of them to keep your balance.

## **An affordable means of transportation**

The purchase price also speaks in favour of electric scooters. You can get a regular electric scooter for riding around town for substantially less than a motorbike or, of course, a car. Its price is even lower than that of an electric bike, even though it does pretty much the same thing.

## **Low running costs**

In the end, the money does all the talking. And it clearly speaks for e-scooters. Compared to a car, the low maintenance costs are certainly welcome. Expensive visits to the garage and the associated payments are eliminated. Interesting savings are also seen with day-to-day use. Traveling 20 kilometers to and from work by car would cost around EUR 2 in fuel alone, compared to an electric scooter where you'd only need 5 cents worth of electricity. In a month, the total savings can add up to EUR 40.

# 10 RULES FOR A SAFE RIDE ON AN ELECTRIC SCOOTER



- 1.** Always ride with a clear head. Definitely do not drink alcohol or be under the influence of any intoxicants. These could affect your attention, judgment, and reaction speed, possibly resulting in an accident.
- 2.** Not only children but also adults should wear a high-quality helmet, even though they're not mandatory. Don't care how you look with a helmet on. Remember, it can save your life in a crash.
- 3.** Protect your eyes with goggles while riding. Even a small thing in the eye can cause a lot of pain or even a life-long injury.
- 4.** Wear gloves on your hands. Not only do they make riding more comfortable but protect your hands if you should fall.
- 5.** Only get an electric scooter that is roadworthy. Don't be tempted by a suspiciously low price; quality demands its own. Any decent dealer will provide you with a certificate of fitness.
- 6.** Drive carefully, considerately, and predictably for those around you. As with any other driving, adjust your speed to your ability, the type of e-scooter, and the road conditions. And only go so fast that you can stop in time for anything ahead of you.
- 7.** You can ride on the pavement only if the sign specifically allows cyclists to enter. Otherwise, you might get a ticket. Riding on the sidewalk is the most common offence for e-scooter drivers. Similarly, you're not allowed to ride on a pedestrian crossing.
- 8.** Keep your scooter in good working order. Brakes, reflectors, and lights are of the utmost importance because they save lives. Remember that reduced visibility isn't only at night, rather moments of darkness can come at any time of the day, be it fog or rain.
- 9.** Be highly visible; reflective clothing or at least reflective accessories are ideal. Think about wearing proper shoes. Flip flops and heels won't do you service here as they don't provide good stability.
- 10.** Although it may be tempting, only one person at a time should ride a scooter. It's forbidden for two people to ride together.



A person is sitting on a concrete ledge, leaning back with their arms crossed. They are wearing a black t-shirt with red accents, dark pants, and brown shoes. A black helmet is resting on the ledge next to them. The background is a wall with graffiti, including the word 'ROAPE' in large, red, block letters. The overall scene is outdoors and appears to be a public space.

# FAST, CHEAP, AND SAFE

With an electric scooter, you'll get to your destination super fast, and not just thanks to the number on the speedometer. This handy means of transport can easily cope with the rigours of everyday traffic. And when you add the low running costs to the affordable purchase price, you'll never be deterred. Take a look at our current models for adults and children. They all offer quality design, a long battery life, and sophisticated safety features. All you have to do is choose the right one for your needs.







# PRACTICAL HELPER STYLISH DESIGN

## URBAN **ELECTRIC** **SCOOTERS**

Stylish design, flawless functionality, and a great price. These are the three features that characterise SENCOR urban scooters. Our machines feature a minimalist, yet sophisticated, design. No compromise has influenced their technical qualities, as the emphasis remains on the best technology, wide-ranging features, and unequivocal safety. But we haven't forgotten about the affordable price either; we want as many customers as possible to enjoy our electric scooters.

Quality equipment is a matter of course. The powerful batteries have a range of up to 65 kilometres and give your machine a top speed of 40 km/h. The LED lighting protects you both at night and in moments of low visibility during the day. Plus, the special tyre design prevents punctures, the dual braking system increases safety, and the rear warning light lets others on the road know you're there.

The scooters can also be connected to the sophisticated SENCOR HOME management app. It can lock the scooter and track the distance travelled, your current speed, the battery status, the estimated range, and other helpful data. And because we've thought of every detail, you'll also find a special phone holder on the handlebars in our offer.

### **WHY CHOOSE** A SENCOR URBAN ELECTRIC SCOOTER

- Stylish design and quality construction
- Powerful batteries with a range of up to 65 km
- Maximum speed up to 40 km/h
- LED lights and dual braking system for increased safety
- Locking and traffic information in the SENCOR HOME app

Electric scooter

## SCOOTER X50

How about an off-road experience with a real adrenaline rush? Then the Scooter X50, with its front- and rear-wheel swinging suspension, is the best choice. The suspension reduces shock and increases the scooter's ability to adapt to different terrains. This makes it more stable, more reliable to ride, and more damage-resistant.

With a powerful 800 W motor, the scooter reaches a top speed of 25 km/h on the road. Off-road, it can go all the way up to 40 km/h (with the speed limiter switched off). Power is supplied by a high-capacity, rechargeable 18 Ah/48 V (864 Wh) battery with a maximum range of up to 65 km. STANDARD mode is used for economical driving, while SPORT mode ensures speed and dynamism. Integrated cruise control is a matter of course.







#### TURN SIGNALS

Integrated turn signals ensure safety.



#### WHEEL SUSPENSION

The ride is as comfortable as possible thanks to the suspension on both wheels.



#### RELIABLE BRAKES

Dual braking system - electric motor and mechanical disc brakes



## FEATURES

- **800 W motor for speeds up to 25 km/h (or 40 km/h with the speed limiter switched off)**
- **Suspended front and rear wheels for maximum riding comfort**
- **Four modes: SPORT (25 km/h), STANDARD (up to 20 km/h), ECO (up to 10 km/h), and WALK (up to 6 km/h)**
- Range of up to 65 km with an 864 Wh (18 Ah/48 V) Li-ion battery
- The SENCOR HOME (Tuya) app locks the scooter and measures the total or current distance, battery status, estimated range, etc.
- The aluminium construction ensures high durability and a load capacity of up to 120 kg
- Extensive accessories: cruise control, LED lights, display, turn signals, electric and mechanical brakes, and 10" tubeless tyres with gel for puncture healing
- The scooter is easily folded into a compact size

Electric scooter

## SCOOTER S80

Meet the S80 electric scooter: a great companion for the city and off-road. The swinging suspension on the front and rear wheels absorbs shocks, which you will appreciate especially when off-roading. The powerful 500 W motor gives the scooter a speed of up to 25 km/h, or even 35 km/h (with the speed limiter switched off, away from public roads only). Power is delivered by a high-capacity, rechargeable 15 Ah/48 V (720 Wh) battery, which provides a range of up to 60 km.

The scooter has all the equipment to make the ride as comfortable and safe as possible. The easy-to-read display shows information on your speed, the selected mode, or battery status. The LED lighting helps when riding in the evening, and safe turning is ensured by the built-in turn signals. The 10" tubeless tyres are well-damped and will gel up in the event of a puncture. And for even more safety, the scooter is equipped with a dual braking system – electric via the motor and mechanical via the disc brakes. The new Tuya SENCOR HOME app prevents the scooter from being stolen, not only locking the scooter, but also showing the total or current distance travelled, the battery status, the estimated range, and other useful information.



SENCOR HOME  
app





## FEATURES

- **Suspended front and rear wheels for maximum riding comfort**
- **500 W motor provides a top speed of up to 25 km/h and allows climbs of up to 15°**
- **Travel radius up to 60 km with a 720 Wh (15 Ah/48 V) Li-ion battery**
- The SENCOR HOME (Tuya) app locks the scooter, measures the total or current distance, battery status, estimated range, etc.
- The aluminium and magnesium construction gives the scooter high durability and a load capacity of up to 120 kg
- Extensive accessories: cruise control, LED lights, display, turn signals, electric and mechanical brakes, and 10" tubeless tyres with gel for puncture healing
- The scooter is easily folded into a compact size



**RELIABLE BRAKES**  
Dual braking system - electric motor and mechanical disc brakes



**WHEEL SUSPENSION**  
The ride is as comfortable as possible thanks to the suspension on both wheels.



**POWERFUL ENGINE**  
500W motor provides a top speed of up to 25 km/h

Electric scooter

## SCOOTER S70

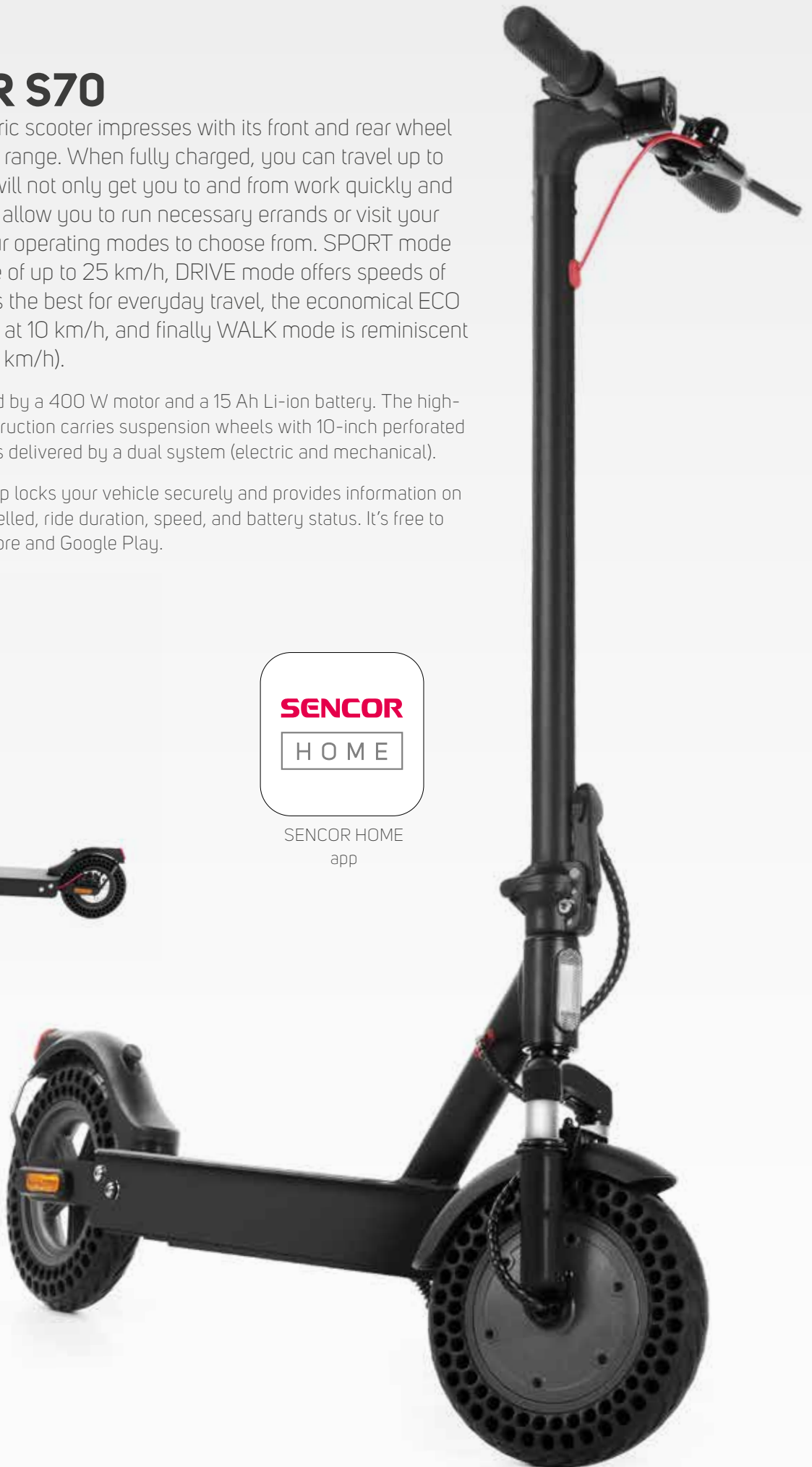
The S70 urban electric scooter impresses with its front and rear wheel suspension and long range. When fully charged, you can travel up to 50 kilometres. This will not only get you to and from work quickly and comfortably but also allow you to run necessary errands or visit your friends. There are four operating modes to choose from. SPORT mode gives you a brisk ride of up to 25 km/h, DRIVE mode offers speeds of up to 20 km/h and is the best for everyday travel, the economical ECO mode transports you at 10 km/h, and finally WALK mode is reminiscent of a leisurely stroll (6 km/h).

The machine is powered by a 400 W motor and a 15 Ah Li-ion battery. The high-quality aluminium construction carries suspension wheels with 10-inch perforated tyres. Reliable braking is delivered by a dual system (electric and mechanical).

The SENCOR HOME app locks your vehicle securely and provides information on the range, distance travelled, ride duration, speed, and battery status. It's free to download in the App Store and Google Play.



SENCOR HOME  
app





## FEATURES



- **Maximum speed up to 25 km/h**
- **Range up to 50 km at 55 kg, or up to 45 km at 90 kg**
- **Front- and rear-wheel suspension, aluminium construction**
- LED lighting
- LED display (mode, speed, battery, lighting, Bluetooth)
- 400 W motor power
- Four modes: SPORT (up to 25 km/h), DRIVE (up to 20 km/h), ECO (up to 10 km/h), and WALK (up to 6 km/h)
- Cruise control
- Maximum incline angle up to 15°
- 10-inch perforated front and rear tyres
- Dual braking system - electric and mechanical, disc brake
- Free SENCOR HOME app on the App Store and Google Play
- The app locks the scooter and displays important information (range, distance travelled, running time, speed, battery level, etc.)
- Bluetooth 4.1
- Maximum load of 120 kg
- Li-ion battery with 15 Ah capacity, max. 9 hours charging, 50 cells
- Protection against short-circuiting, overvoltage, overcharging, and overheating
- Battery over-discharge protection



### EASY-TO-READ DISPLAY

Important information on your speed, battery, and driving mode in one place.



### PERFORATED TYRES

For a comfortable ride without the risk of puncture.



### SAFETY

Reliable rear disc brake and bell for audible signaling.



Electric scooter

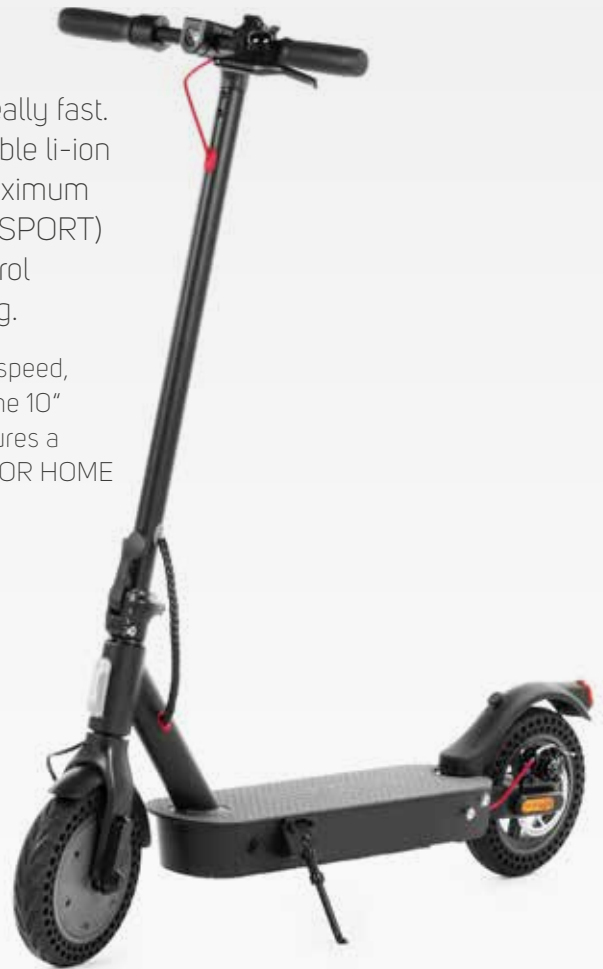
## SCOOTER TWO S60

This electric scooter will get you just about anywhere really fast. The powerful, 400 W motor is powered by a rechargeable li-ion battery with a capacity of 15 Ah, giving the vehicle a maximum range of 45 km. Four modes (WALK, ECO, DRIVE, and SPORT) adapt the ride to your needs. The integrated cruise control maintains the chosen speed so you can focus on driving.

The clear and easy-to-read display shows information on your speed, selected driving mode, battery level, and LED light operation. The 10" perforated tyres resist punctures while the rear suspension ensures a comfortable ride. And optional accessories as well as the SENCOR HOME mobile app provide even more convenience.

### FEATURES

- **Maximum speed up to 25 km/h, range up to 45 km**
- **400 W motor power**
- **Li-ion battery with 15 Ah capacity, charging time max. 9 hours, 50 cells**
- Aluminium construction with rear-wheel suspension
- LED lighting and dual braking system (electric and mechanical) for your safety
- LED display (mode, speed, battery, lighting, Bluetooth)
- Four riding modes: SPORT (up to 25 km/h), DRIVE (up to 20 km/h), ECO (up to 10 km/h), and WALK (up to 6 km/h)
- 10-inch perforated front and rear tyres
- Cruise control
- Maximum incline angle up to 15°
- SENCOR HOME app available on Google Play and the App Store
- Maximum load of 120 kg
- A wide range of optional accessories can be purchased



SENCOR HOME  
app





**SAFETY**  
Reliable rear disc brake and bell for audible signaling.



**EASY-TO-READ DISPLAY**  
Important information on your speed, battery, and driving mode in one place.



Electric scooter

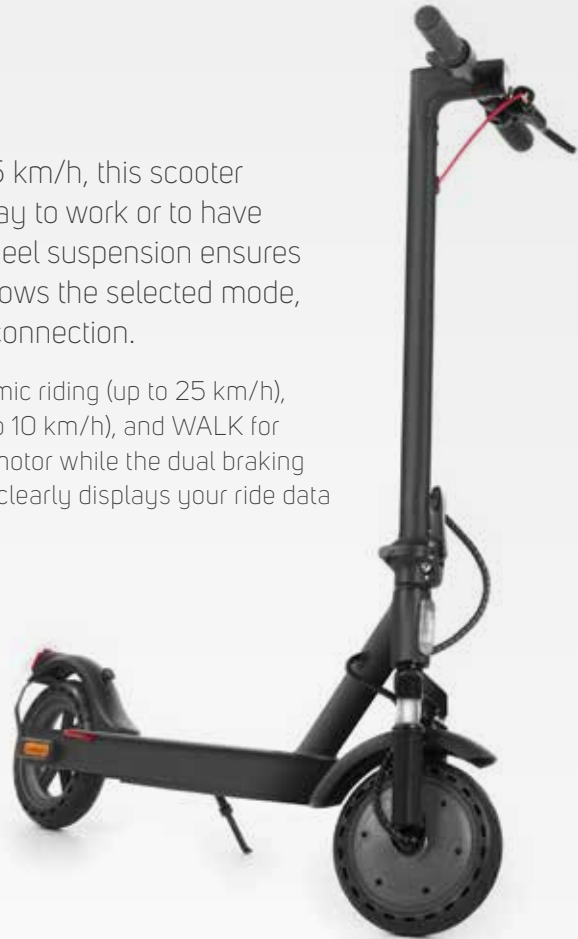
## SCOOTER S30

With a range of up to 30 km and a speed of up to 25 km/h, this scooter will become an indispensable companion on your way to work or to have some fun. The aluminium construction with front-wheel suspension ensures a comfortable ride. The LED display continuously shows the selected mode, current speed, battery level, lighting, and Bluetooth connection.

The scooter features four available modes: SPORT for dynamic riding (up to 25 km/h), DRIVE with an operating speed of up to 20 km/h, ECO (up to 10 km/h), and WALK for a slow pace (6 km/h). The scooter is powered by a 350 W motor while the dual braking system ensures increased safety. The SENCOR HOME app clearly displays your ride data and locks the scooter to protect it from theft.

### FEATURES

- **Maximum speed up to 25 km/h**
- **350 W motor power**
- **Range up to 30 km at 55 kg and up to 25 km at 90 kg**
- Front wheel suspension, aluminium construction
- Four riding modes: SPORT (up to 25 km/h), DRIVE (up to 20 km/h), ECO (up to 10 km/h), and WALK (up to 6 km/h)
- SENCOR HOME app locks the scooter and displays the range, distance travelled, running time, speed, battery status, etc.
- LED lighting, cruise control
- LED display (mode, speed, battery, lighting, Bluetooth)
- Maximum incline angle up to 15°
- 8.5" perforated front and rear tyres
- Dual braking system (electric and mechanical), disc brake
- Maximum load of 120 kg
- Li-ion battery capacity of 7.5 Ah, 30 cells, 4-5 hour charging time
- Protection against short-circuiting, overvoltage, overcharging, overheating
- Battery over-discharge protection



SENCOR HOME  
app





**SAFETY**  
Reliable rear disc brake and bell for audible signaling.



**EASY-TO-READ DISPLAY**  
Important information on your speed, battery, and driving mode in one place.

Electric scooter

## SCOOTER ONE S20

Speeds up to 25 km/h and a range of 25 km. These two qualities are guaranteed by the powerful 350 W motor and high-capacity, 7.5 Ah rechargeable battery. The riding style is easy to adjust using one of the four available modes (WALK, ECO, DRIVE, and SPORT).

This electric scooter offers everything you need for a comfortable and safe ride. The integrated cruise control provides a stable pace, while the LED display keeps you informed about your speed, selected riding mode, and battery or light status. The 8.5" perforated tyres absorb vibrations and are puncture resistant. For extra safety, the scooter is equipped with a dual braking system – electric braking with the motor and mechanical with the disc brakes. You can also lock the scooter and track your riding data in the SENCOR HOME mobile app.

### FEATURES

- **Maximum speed up to 25 km/h, range up to 25 km**
- **350 W motor power**
- **Li-ion battery with a capacity of 7.5 Ah, 4-5 hour charging time, 30 cells**
- Four driving modes: SPORT (up to 25 km/h), DRIVE (up to 20 km/h), ECO (up to 10 km/h), and WALK (up to 6 km/h)
- Aluminium construction
- LED lighting and dual braking system (electric and mechanical) for your safety
- LED display (mode, speed, battery, lighting, Bluetooth)
- 8.5" perforated front and rear tyres - Cruise control
- Maximum climb angle up to 15°
- SENCOR HOME app available on Google Play and the App Store
- Maximum load of 120 kg
- A wide range of optional accessories to be purchased



SENCOR HOME  
app





**SAFETY**

Reliable rear disc brake and bell for audible signaling.



**EASY-TO-READ DISPLAY**

Important information on your speed, battery, and driving mode in one place.





# GETTING TO SCHOOL WHILE ENJOYING THE RIDE

## CHILDREN'S **ELECTRIC SCOOTERS**

Kids really love their electric scooters. But they're more than just a fun time; scooters help children develop their motor and physical skills and allow them to explore the world around them. In fact, electric scooters motivate kids to spend more time outdoors and discover new adventures. They're also very practical, serving as a handy means of transport to school or to visit friends.

When choosing an electric scooter for a child, focus on a few basic parameters. The choice depends on the age and weight of the child and the scooter. The recommended riding age starts at 8 years old, otherwise, the child might not be able to handle the steering correctly, making the ride unsafe for them. Similarly, the recommended weight category needs to be adhered to. For a small child, a large and heavy scooter is less than ideal, given it would be harder for them to control, thus putting them at risk of injury. That makes special machines designed for children the perfect choice.

Whether your child uses their scooter for short trips to school, the park, for sports practices or clubs, or even for long trips, you always need to think about safety. All children's scooters should have reliable brakes, reflectors, and lighting in case of poor visibility or darkness. As parents, then see to it that your child wears a helmet at all times. This is mandatory when riding an electric scooter until the age of 18.

### **WHY CHOOSE A SENCOR KID'S ELECTRIC SCOOTER**

- Practical helper for school and leisure trips
- The weight and size of the scooter are adapted to children
- Reliable brakes, reflectors, and lighting for your child's safety
- High-quality battery, range up to 8 km
- Maximum speed of 8 km/h



Electric scooter

## SCOOTER K5

Thanks to the adjustable handlebars whose height can be easily changed as your child grows (from 69 to 83 cm), the K5 electric scooter can be used for a really long time. A safe ride is ensured not only by the limited speed of 8 km/h but also by the illuminated deck and non-slip handles.

The scooter is powered by a 60 W motor that runs on a 2 Ah Li-ion battery. With a range of up to 8 kilometres and a gradient angle of up to 5°, this scooter will quickly become a popular companion for trips to school or just for fun. Plus, the light weight of only 4.4 kg contributes to trouble-free handling.



## FEATURES

- **Adjustable handlebar height from 69-83 cm**
- **Maximum speed of 8 km/h, range up to 8 km**
- **Steel construction**
- Coloured LED-illuminated deck and wheels
- Rubber, non-slip handlebar grips and tread surface
- 60 W motor power
- Maximum gradient angle up to 5°
- 5" front and 3.5" rear rubber tyres
- Foot brake on the rear wheel
- Maximum load of 60 kg
- Weight: 4.4 kg
- Li-ion battery capacity of 2 Ah/44.4 Wh
- Charging time of 3 hours
- Protection against short-circuiting, overvoltage, overcharging, overheating
- Battery over-discharge protection



**VISIBILITY**  
Illuminated wheels and deck.



**SAFETY**  
Mechanical foot brake with instant response.



# ACCESSORIES



## CHARGING ADAPTER

Convenient charging - just plug into any electrical outlet



## SPARE FENDER WITH HOLDER AND LIGHT

Protects you from mud and ensures you're visible even in the dark



## BACKPACK HOLDER

Practical hook for a comfortable ride



## SCOOTER STRAP

Easily carry the folded scooter



## HANDLEBAR BAG

Handy storage for your mobile phone, wallet, or keys



## PHONE HOLDER

Your mobile phone right in front of you. Safe and secure



SENCOR HOME app





