

## ELECTRIC KICK SCOOTER



THE FUTURE OF MOBILITY IS ELECTRIC.  
BE A PART OF IT!



**E-TWOW** is part of a very large international concept, focused on offering a new era in urban mobility through its electric vehicles.

Our factory's purpose is ensuring the material base for the research, development and manufacturing capacity through the use of new technologies, capable to compete in international markets and increase the use of the electrical vehicles, around the world.

We are the proud owners of the first electrical vehicles factory in Europe.



**A JOURNEY THAT MATTERS**





The idea, design and construction of the **E-TWOW** electric kick scooter belongs to the Romanian Engineer, Dr. Sorin Sirbu, and the concept was further developed alongside a research team of engineers with a solid background in mechanical and electrical engineering.

With the knowledge acquired in the years of technical studies, but most of all, driven by the passion to find innovative solutions for transportation, Dr. Sirbu used his engineering knowledge to develop a practical solution to everyday life.

Going through this catalogue, you will understand why **E-TWOW** revolutionized the international market for electric two-wheeled vehicles.

MORE THAN JUST A VEHICLE -  
DISCOVER THE E-TWOW EXPERIENCE!





## E-TWOW COLOURS



Our main product is the **E-TWOW** Electric Scooter, an unique vehicle that combines special technologies like KERS with the most important features for its range, making it ecological, economical, comfortable, relaxing, practical and fun.



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ONLY  
**6**  
Wh/km

The most economical vehicle ever build - only 1 Euro for 1000 km. One more unique feature of the **E-TWOW** Electric Kick Scooter.



NO  
emissions  
pollution

Choose the eco-friendly ride by **E-TWOW** - no emissions or pollution. We understand the need for a safe and clean environment.



MAX. SPEED  
  
**30 km/h**

Power and speed - **E-TWOW** scooter reaches speeds up to 30km/h. Amazing fact: you can ride it for 40 km with only a two hours charge.





## TECHNICAL DETAILS

	S2 ECO	S2 MASTER	S2 BOOSTER
Range:	30km	40km	35km
Maximum speed:	27km/h	28km/h	30km/h
Slope Climb Ability:	15 degree slope	20 degree slope	25 degree slope
Motor rated output max. power:	350W	450W	500W
Energy consumption:	6.15Wh/km	6.15Wh/km	7.5Wh/km
Charging time:	1.5-2h (charger 4A) or 3-3.5h ( charger 2A)	2-2.5h	1.5-2h
Battery:	190W; Li-Po	250W; Li-Po	280W; Li-Po
Total weight:	10.7 kg	10.9 kg	10.8 kg
Charger:	2A (optional 4A)	4A	3.5A
Motor type:	DC Brushless motor		
Folding function:	Fully foldable electric scooter (patented) - Height Adjustable + Handlebar Folding + Automatic Unfolding Body		
Brake function:	Regenerative brake for front wheel + Emergency brake for behind wheel		
Shock absorber:	Front shock absorber + Rear shock absorber		
Light:	LED lighting group + LED light sensor + Rear Stop Light		
Cruise control function:	Maintains a constant speed without the need to press the acceleration handle		
Zero start function:	For safety reasons, you can only accelerate the scooter after giving it a little push first		
Horn alert function:	Piezo ceramic horn (electrical)		
UBHI – Electronic display:	UNIBLOCK HUMAN INTERFACE (patent)		
Tires:	Airless Tires (patent)		
Charger input voltage:	220V/110V		
Material:	Aluminium alloy + Metallic paint technology		
Total weight:	125 kg		
Size:	Folded: 945 x 135 x 300 mm; Unfolded: 940 x 135 x 1160 mm		



A GREAT VEHICLE, THAT FULLY MATCHES YOUR EXPECTATIONS.  
NEVER SETTLE FOR LESS!



Your time is precious, so we offer you the perfect solution for saving it. Completely foldable and portable, **E-TWOW** can follow you everywhere - there is no need for wasting time searching for a parking spot.



The folding is done in 3 easy steps and it takes only a few seconds. Is the first time when such the entire folding system was used for an electric kick scooter and we have a patent for this.



**E-TWOW** has only 10.7Kg, which makes it the lightest electric scooter in the industry.



...and very small proportions - When folded, the **E-TWOW's** size is 94.5 x 30 x 13.5cm / 37x11.8x5.3in, which makes it very easy to carry and store so it can be placed under a desk or in a locker, in your car or on your boat and it is virtually unnoticeable.





## CUTTING - EDGE TECHNOLOGIES

*The **E-TWOW** is the first scooter to use the **KERS** technology (KINETIC ENERGY RECOVERY SYSTEM) through the magnetic braking, so the scooter's battery autonomy can be increased up to 60%. This system is used in Formula 1 competitions and it's the first time a system like this is integrated in an electric kick scooter.*

***How does it work?** The Kinetic Energy Recovery System stores the energy when the vehicle is braking and returns it when accelerating. Usually, during breaking the energy is wasted, but the vehicles that have **KERS** incorporated are being able to harness some of the kinetic energy and, by pressing a handle, it is stored and converted back into kinetic energy giving the scooter an extra boost of power.*





#### BRUSHLESS DC MOTOR

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The motor is inside the front airless tire, an unique feature on the market of electric kick scooters.

#### LED LIGHT SENSOR

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Will start automatically when the ambient light is poor (unique on the market of electric scooter).

#### DOUBLE BRAKING SYSTEM

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It uses a magnetic brake (without any friction), which activates the KERS technology and a rear foot brake that stops the scooter instantly, which makes the **E-TWOW** a very smooth, safe and comfortable ride – a feature that is unique on the market.

#### AIRLESS TIRES

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It is a technology used in the automobile industry. The tires are made of special material, very durable and reliable, with no risks of punctures.

#### COMPLETELY DIGITAL DISPLAY

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**E-TWOW** has a digital display that allows you to access all the information you might need. You can see your total riding distance, how far you've travelled since the last time you reset it to zero, your speed, the battery level, and as a bonus, it shows the time and temperature.





### FRONT AND REAR SUSPENSION

The **E-TWOW** scooter has an integrated suspension system that makes the ride very comfortable and secure.

### PARKING POSITION OPTION

The design of the **E-TWOW** scooter offers a very stable and easy ride, even for persons that never used a scooter before. The scooter's parking position offers it stability without any other support.

### LIGHTING SYSTEM

**E-TWOW** scooter is equipped with a lighting system made up of 6 powerful white LEDs and a sensor that will automatically start the headlight when the ambient light is insufficient.

### HORN

Because we share the road with other users (pedestrians, rollers, dogs, etc.), **E-TWOW** scooter is equipped with a horn on the handlebar.



### MAXIMUM SPEED LIMITATION

Many countries have a legislation that imposes a speed limitation. Once a maximum speed is set, the motor will become functional and the scooter won't exceed that speed. The maximum speed limit options are 12 km/h, 20 km/h, 25 km/h. This function can be activated or deactivated from the central control unit, according to the user's needs.







#### CRUISE CONTROL OPTION

If you keep pressing the thumb accelerator for 5 seconds with the same speed, and then released from the thumb accelerator, the scooter maintains this steady speed. You can cancel the cruise control by pressing again the thumb brake or the thumb accelerator. This function can be activated or deactivated from the central control unit, according to the user's needs.

#### KICK START OPTION

This function is designed for safety reasons. The motor will start only if the scooter is first pushed by foot for a little distance. Only then, when you press the right thumb acceleration, the scooter will start. When you don't use the scooter, if you press the right thumb acceleration by mistake, the scooter won't start. This function can be activated or deactivated from the central control unit, according to the user's needs.



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Motor Kit



Display



Charger



Rear Wheel



Throttle Set



Controller



Accumulator



Handlebar Set



Trolley bag



Belt



Charger Bag



Charger Bag



Trolley bag



Handle



Phone Holder





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