

CU mini

IT GETS NOTICED, EVERYWHERE



 | VMOTO
ELECTRIC VEHICLES

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DESIGN

Smart mobility for the city

The **CUmini** electric scooter combines a compact design with **modern style**, making it the perfect choice for urban mobility. **Easy to ride** and effortless to park, it is designed for those who experience the city with **dynamicism** and **freedom**.

Available in **three elegant colors** – **white**, **grey**, and **red** – it offers the ideal balance of functionality, aesthetics, and sustainability.



DESIGN

Front



Side view



Back



The pedals are an optional.

PERFORMANCE

35 Km/h (48V/24Ah)
Max speed

45 Km/h (60V/24Ah)
Max speed

0.8 kW
Max power

1.8 kW
Max power



Reliable performance for every journey

The **CUmini** is equipped with a **rear-wheel hub motor** delivering a **nominal power of 0.8 kW** and a **peak power of 1.8 kW**.

Designed for urban mobility, it reaches a **top speed of 35 km/h** (with **48V/24Ah** battery) and **45 Km/h** (with **60V/24Ah** battery), ensuring **agility** and **responsiveness** in all riding conditions.

Motor



BATTERY

5.5 Hours
Charging time

60 Km* (48V/24Ah)
Range (WMTC Stage 3)

70 Km* (60V/24Ah)
Range (WMTC Stage 3)

48v 24Ah Lithium
battery

60v 24Ah Lithium
battery

Smart energy for urban life

The **CUmini** features a **removable 48V24Ah battery** or **60V24Ah battery** that can be easily recharged using a **standard household outlet**. With a charging time of **5.5 hours**, it offers a range of up to **70 km** on a single charge, tested under the **WMTC Stage 3**. An efficient and convenient solution for **everyday commuting**. When the battery runs out, you can use the **pedals** to keep riding the **CUmini**, ensuring **you can always reach** your destination without interruption.



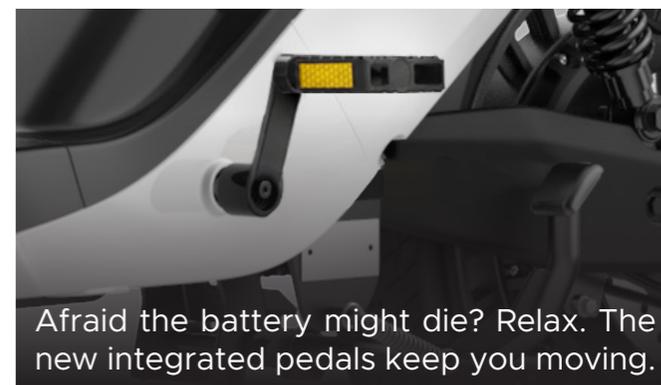
Battery



Connector



Pedals



Afraid the battery might die? Relax. The new integrated pedals keep you moving.

CYCLING

Agility and power on every route

Thanks to its advanced electric motor and high torque, the **CUmini** tackles inclines of up to **12°** with ease. This climbing angle makes it ideal for **overcoming urban climbs** and **hilly trails effortlessly**, providing a smooth and stable ride.

12° Steep inclines
Climbing Angle



Hydraulic damping suspensions

The advanced suspension system ensures **optimal comfort** and **control**, adapting seamlessly to **any terrain**. Ride smoothly in every situation.

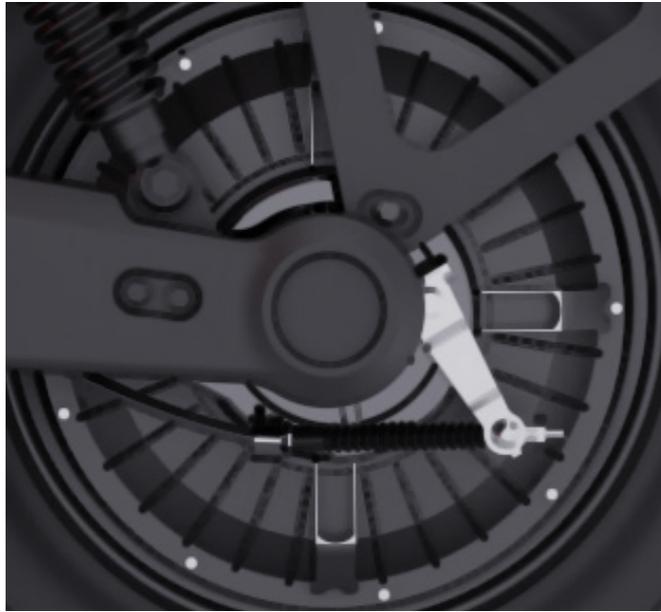
Front suspension ø26mm



Rear suspension ø25mm



SAFETY



Rear drum brake

High performance **SSBS**, ensuring maximum **safety and control in all braking conditions**.



Front disc brake Ø180mm

High performance **SSBS**, powerful front callipers.



High grip tyre

The tires have a **high-density texture**, which provides **strong ground grip** and **high safety**. In addition, the high wheels ensure great stability **Fr. 70/90-12. Rr. 70/90-12**.



Center stand

Advanced support system that includes a **center stand**, designed to ensure maximum stability in any situation. The **center stand** provides secure support.

TECHNOLOGY



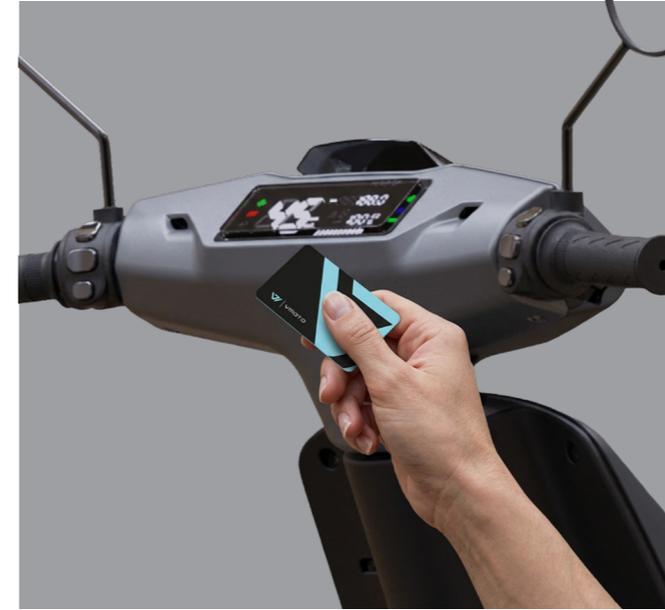
Front LED

The **front LED headlight** delivers powerful and efficient illumination with a visibility range of up to **15 meters**. The front headlamp **Lighting class B** provides powerful illumination with an **intensity** of **8.500 cd**.



Rear LED

LED rear designed with a modern and innovative line that hugs the tail. High brightness in any road conditions.



LED Display & NFC start

Clear, intuitive **LED display** with real-time essentials: speed, battery level, remaining range, and riding mode, always visible, even in bright light. The **CUmini** also features convenient **NFC card** for quick and secure start-up.



One click Parking

Safe parking key, effectively avoid mis-operation, **safe** and **worry free**.

ERGONOMICS



Comfort and ergonomics in every detail

The **CUmini** is designed with advanced **ergonomic studies** to ensure a **natural** and **correct riding posture**.

Its **comfortable seat**, combined with an **efficient suspension system**, **minimizes vibrations** and **physical strain**, helping to prevent fatigue and discomfort even during extended use.

Extra comfort



Wide footrest



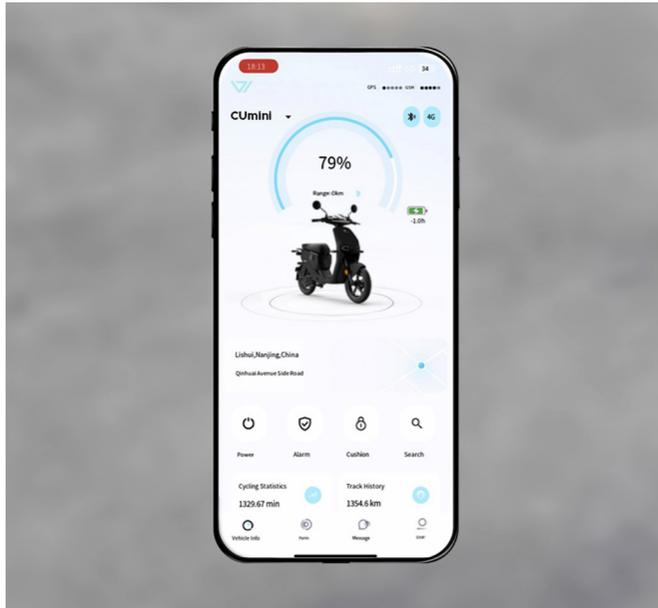
OPTIONAL PARTS



Tail box



Pedals



App



Phone holder

VMOTO BATTERY TECHNOLOGY



Battery technology and life cycle: what you need to know

Vmoto vehicles use **lithium-ion batteries**, a **highly efficient rechargeable technology** widely adopted in **electronics, EVs, and aerospace**. An **EV uses up to 90% of its energy** for movement, while an **ICEV uses only about 15%**, with most lost as heat.

Lithium battery disposal is a key issue, but **recycling efforts are growing**. After **8-10 years**, batteries can **be reused or recycled**, **recovering up to 95% of critical materials** like cobalt and nickel.



Here's why to choose Vmoto!

- 1** Long battery range
- 2** Fast charging battery
- 3** The cost of recharging is low
- 4** Extended battery life cycle
- 5** Closed-loop battery recycling

TECHNICAL INFORMATION



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CUmini

Homologation	L1e-B (comparable to a 50cc)	LxWxH	1655 mm*695 mm*1084 mm
Rated power	0.6 kW	Wheelbase	1169 mm
Max power	1.8 kW	Ground clearance	118 mm
Battery model	Lithium battery	Seat height	750 mm
Battery capacity	48V/24Ah or 60V/24Ah	Rims	Fr. 1.6-12 Rr. 1.6-12
Charging time	8.5 h (48V/24Ah) 5.5 h (60V/24Ah)	Tyres	Fr. 70/90-12 Rr. 70/90-12
Charger	48V3A & 60V5A	Suspension	Hydraulic damping system
Range*	70 Km (60V/24Ah) 60 Km (48V/24Ah)	Weight	50 kg (without battery)
Max speed	35 Km/h (48V/24Ah) 45 Km/h (60V/24Ah)	Brakes	SSBS
Climbing angle	12°	Colours	Dark Grey, White, Red

*WMTC Stage 3



**ELECTRIFY
YOUR WORLD**

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