

CU

THE PERFECT BALANCE OF SIZE AND FUNCTIONALITY



 | vmoto  
ELECTRIC VEHICLES

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# DESIGN

## Where style meets comfort

The **CU** is designed for those who value **elegance** and **practicality** in urban mobility. Its **compact design features clean, modern lines** that make it ideal for navigating city streets with ease.

The **elastic, comfortable seat** ensures **ergonomic support**, offering maximum comfort even on longer rides.



# DESIGN

Front



Side view



Back



# PERFORMANCE

**45** Km/h (Europe)  
Max speed

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**50** Km/h (None Europe)  
Max speed

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**1.9** kW (60V/24Ah)  
Rated power

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**2.2** kW (72V/24Ah)  
Rated power

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## Reliable performance for every journey

The **CU** is equipped with a **rear-wheel hub motor** delivering a **nominal power of 1.9kW** and a **peak power of 2.2 kW**.

Designed for urban mobility, it reaches a **top speed of 45 km/h** (for European country) and **50 km/h** (for the rest of the world), ensuring **agility** and **responsiveness** in all riding conditions.

## High power motor



# BATTERY

**5.5** Hours  
Charging time

**62** Km\* (WMTC Stage 3)  
Range (72V/24Ah)

**60v 24Ah** Lithium battery  
Version 1

**72v 24Ah** Lithium battery  
Version 2

## Smart energy for urban life

The **CU** features a **removable 60V/24Ah battery** and **72V/24Ah battery** that can be easily recharged using a **standard household outlet**. With a charging time of just **5.5 hours**, it offers a range of up to **62 km** (with 72V/24Ah battery) on a single charge, tested under the **WMTC Stage 3**. An efficient and convenient solution for **everyday commuting**.



## Battery



## Connector



## Charger



# CYCLING

## Agility and power on every route

Thanks to its advanced electric motor and high torque, the **CU** tackles inclines of up to **15°** (with **72V/24Ah**) and **14°** (with **60V/24Ah**) with ease. This climbing angle makes it ideal for **overcoming urban climbs** and **hilly trails effortlessly**, providing a smooth and stable ride.

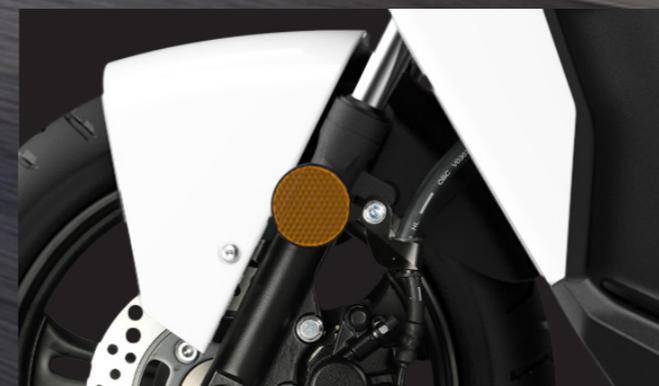
**15°** Climbing Angle  
(with 72V/24Ah)



## Hydraulic damping suspensions

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

Front suspension



Rear suspension



# 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. 90/90-12 | Rr. 90/90-12**.



## Side stand

Advanced support system that includes a **center stand** (optional) and a **side stand**, designed to ensure maximum stability in any situation. The **center stand** (optional) provides secure support during loading and unloading, while the **side stands** ensure quick and convenient stopping, even on uneven surfaces.

# TECHNOLOGY



## Front LED

The **front LED headlight** delivers powerful and efficient illumination with a visibility range of up to **75 meters**. The front headlamp **Lighting class B** provides powerful illumination with an **intensity** of **16.000 cd**.



## Rear LED

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



## LCD

Clear and intuitive **LCD display** designed to provide the rider with all essential information in real time. Speed, battery level, remaining range and riding mode are always clearly visible, even in bright light.



## Cruise mode

The **cruise mode** on the **CU** allows the rider to maintain a constant speed without holding the throttle. Easily activated with a simple control, it enhances comfort during longer or straight rides, reducing fatigue and improving the overall urban riding experience.

# ERGONOMICS

## Comfort and ergonomics in every detail

The CU 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



Front cover shield



Additional front pedals



Foot rubber



Tail box

## 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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<b>Homologation</b>	L1e-B (comparable to a 50cc)	<b>LxWxH</b>	1782 mm*727 mm*1087 mm
<b>Rated power</b>	1.9 kW (60V/24Ah) 2.2 kW (72V/24Ah)	<b>Wheelbase</b>	1217 mm
<b>Max power</b>	2.0 kW (60V/24Ah) 2.4 kW (72V/24Ah)	<b>Ground clearance</b>	140 mm
<b>Battery model</b>	Lithium battery	<b>Seat height</b>	750 mm
<b>Battery capacity</b>	60V/24Ah 72V/24Ah	<b>Rims</b>	Fr. 2.15-12   Rr. 2.15-12
<b>Charging time</b>	5.5 h	<b>Tyres</b>	Fr. 90/90-12   Rr. 90/90-12
<b>Charger</b>	60V5A (60V/24Ah) 72V5A (72V/24Ah)	<b>Suspension</b>	Hydraulic damping system
<b>Range*</b>	50 Km (60V/24Ah) 62 Km (72V/24Ah)	<b>Weight</b>	61 kg (without battery)
<b>Max speed</b>	45 Km/h 50 Km/h (none EU country)	<b>Brakes</b>	Front disc Rear drum
<b>Climbing angle</b>	14° (60V/24Ah) 15° (72V/24Ah)	<b>Colours</b>	White, Red, Blue

\*WMTC Stage 3



**ELECTRIFY  
YOUR WORLD**

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