

V54

MORE THAN JUST A BIKE




vmoto
ELECTRIC VEHICLES

vmoto

ELECTRIC MOBILITY SOLUTION

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DESIGN

Functionality meets design

The **VS4** embodies **bold, muscular styling** with **distinctive body lines** that command attention. Its **full, dynamic design reflects confidence and strength**, creating a perfect balance between **performance and elegance**.

Engineered with optimized battery compartment ventilation, the **VS4** ensures **efficient airflow** for **superior heat dissipation and enhanced battery performance**, delivering a ride that's as powerful as it is refined.



The motorcycle taxi kit is an extra optional.

DESIGN

Front



Side



The motorcycle taxi kit
is an extra optional.

Back



PERFORMANCE

90 Km/h
Max speed

240 Nm
Max torque

8.0 kW
Max power

4.0 kW
Rated power

3 Riding modes
50 Km/h - 70 Km/h
90 Km/h



Enhanced performance

The **VS4** is built for riders who demand more from their urban electric motorcycle.

With a **top speed of 90 km/h** and an impressive **240 Nm of torque**, it delivers responsive acceleration and confident handling. Its motor offers a **nominal power of 4.0 kW** and **peaks at 8.0 kW**, managed by the advanced **F.O.C. 3.0 controller**, which boosts power output by **16%** compared to previous versions. **3 riding modes** allow you to tailor performance to your style and riding conditions.

High power motor



F.O.C. 3.0



*The motorcycle taxi kit is an extra optional.

BATTERY

Range & efficiency

VS4 is equipped with **74V30Ah & 74V45Ah batteries**, engineered to deliver an optimal balance of **range, efficiency, and charging speed**. Offer up to **110 km** of range with 2 batteries, based on the **WMTC Stage 3** test cycle. Charging is fast and flexible: just **1.5 hours** with the **optional fast charger**, **3.5 hours** with the **standard charger**, and just **30 minutes** to go from **20% to 100%** with the **6.6 kW Super Fast Charger**.

30 Min - 0% to 80% (Optional)
Super fast charger 6.6kW

1.5 Hours (Optional)
Fast charging time

3.5 Hours (Standard)
Charging time

110 Km* (2 batteries)
Range (*WMTC Stage 3)

74v 30Ah NCM Battery

74v 45Ah NCM Battery

Battery



74V/30Ah

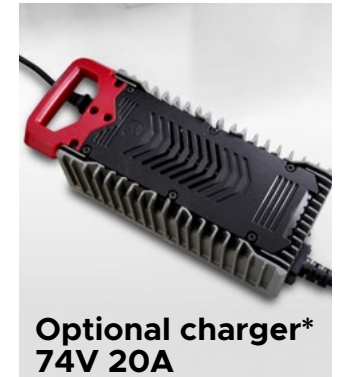


74V/45Ah

Chargers



Standard charger
74V 10A



Optional charger*
74V 20A

Super fast charger 6.6 kW



CYCLING

Climbing angle

The **VS4** is **agile** and **powerful**, maintaining top performance even on **steep inclines up to 24°**. Conquer any road with ease.

24° 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.

*The motorcycle taxi kit is an extra optional.

Front suspension ø31mm



Rear suspension ø31mm



SAFETY



Rear caliper Ø220mm

High-performance CBS, ensuring maximum safety and control in all braking conditions.



Front caliper Ø240mm

High-performance CBS, ensuring maximum safety and control in all braking conditions.



Tyre

The tires have a **high-density texture**, which provides **strong ground grip** and **high safety**.



Rear pedal brake

The **rear brake is a pedal brake** located on the right side of the bike.

TECHNOLOGY



Front LED

The **VS4's full LED** front headlights ensure maximum visibility and safety in all conditions. The front headlamp **Lighting class D** provides powerful illumination with an **intensity of 35.000 cd**.



Rear LED

High brightness **LED taillight**. Position light, brake light and indicator light integrated.



LCD

Clear and intuitive **LCD display** designed to provide the rider with all essential information in real time.



USB (18W max output)

Dual USB charging port, designed to provide maximum convenience during trip.

ERGONOMICS

Ergonomics redefined: comfort meets sportiness

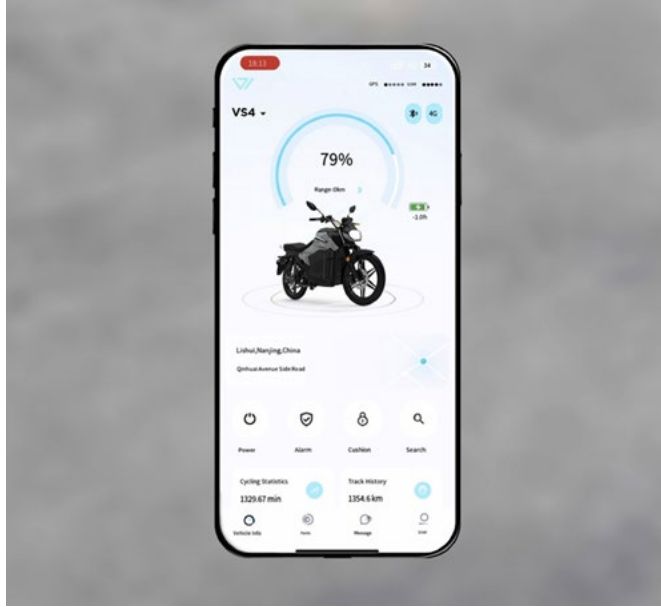
VS4 is designed to deliver the **perfect balance between comfort and sportiness**. Its carefully engineered ergonomics ensure a **practical and relaxed riding position**, reducing strain on the back even during long journeys. At the same time, its dynamic stance **preserves the thrill and agility** of a true motorcycle. Developed by our team of expert engineers and rigorously tested, the bikes allows **you to ride for hours**, enjoying both the adrenaline of the road and the pleasure of effortless control.

Extra comfort



The motorcycle taxi kit
is an extra optional.

KEY OPTIONAL PARTS



Vmoto APP



Motorcycle cover



Kit Moto Taxi



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

VMOTO EMS: ELECTRIC MOBILITY SOLUTION

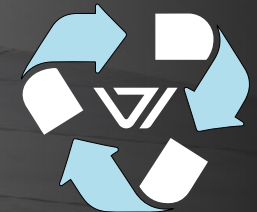


What is Vmoto EMS?

Electric vehicles are the present and the future, but they have always had one big question mark: battery range and charging time. Vmoto has the answer to this question and takes you into the future with its new ecosystem: **Vmoto EMS - Electric Mobility Solution**, the solution to the problem of battery range, battery charging and vehicle fleet management!

Vmoto EMS offers the services needed to solve the problems of battery range and charging, and they are: **Vmoto Swapping Station**; **Vmoto Charging Station**; **Vmoto Super Fast Charger**; **Vmoto 74V Battery**; **Vmoto Fleet Platform** (with gps connection to monitor vehicle fleets, batteries, battery swap system, and charging stations).

SUPPLY CHAIN
Local R&D
Local battery CKD
Local vehicle CKD
Parts localization



VEHICLE
Vehicle sales
Vehicle rental
Local service
B2B - B2C

BATTERY
Battery rent
Battery swapping
Charging infrastructure
Fast charger

TECHNICAL INFORMATION



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VS4



Homologation	L3e-U	LxWxH	2160mm*760mm*1145mm
Rated power	4.0 kW	Wheelbase	1343 mm
Max power	8.0 kW	Ground clearance	160 mm
Battery model	 NCM lithium battery	Seat height	785 mm
Battery capacity	 74V/30Ah x 2 PCS 74V/45Ah x 2 PCS	Rims	Fr. 1.85-18 Rr. 1.85-18
Charging time	 Standard 5 h x PCS Optional 2.5 h x PCS Optional 30 min 0% to 80%	Tyres	Fr. 80/100-18 Rr. 100/80-18
Charging power	 Standard 74V10A Optional 74V20A Optional 6.6 kW	Suspension	Hydraulic damping system
Range*	 110 Km	Weight	150 kg
Max speed	90 Km/h	Brakes	CBS
Climbing angle	24°	Colours	White, Gold Grey, Grey (Customizable)

*WMTC Stage 3.

Compatible with the EMS system





**ELECTRIFY
YOUR WORLD**

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