



Official Vmoto Testimonial 5-times MotoGP World Champion



Jorge Lorenzo special rider of our VS3

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SAFETY RELIABILITY PERFORMANCE

TAKE IT FROM JORGE LORENZO!

DESIGN

VS3: the three-wheeled electric solution for urban delivery

The **VS3** is a **three-wheeled** electric scooter designed for the urban delivery market. It shares the front structure of the **VS1** model, a strategic choice that simplifies spare parts management and maintenance.

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VS

Its design is focused on **practicality**: **du- rable**, **flexible**, and **reliable**, the **VS3** ensures stability and optimal performance even in the most demanding usage conditions.

*VS3 L5 with foot brake and side stand.

DESIGN







VS3 L2



Left handlebar Rear brake.



Without side stand



Right handlebar Front brake.



Without Type 6
No Type 6 optional

VS3 L5



Foot brake
The foot brake ensures combined braking.



Handlebar No brake on right side. Rear brake on left side.



Side standMore security and stability. Provides more convenience for daily parking.



OptionalType 6 fast charging. 30 min with 13.2 kW; 35 min with 6.6 kW.

PERFORMANCE L2

45 Km/h (L2) Max speed

148 Nm (L2)
Max torque

2.7 kW (L2) Rated power

3.3 kW (L2) Max power

Riding modes (L2)
25 Km/h - 35 Km/h
45 Km/h

Performance tailored for urban delivery

The VS3 L2 delivers performance perfectly suited for city delivery needs. It reaches a top speed of 45 km/h and is equipped with a 2.7 kW nominal motor, peaking at 3.3 kW. With a maximum torque of 148 Nm, it provides strong acceleration even under full load. 3 riding modes allow the rider to adapt performance to various conditions.



High power motor



PERFORMANCE L5

60 Km/h (L5) Max speed

250 Nm (L5)
Max torque

4.0 kW (L5)
Rated power

5.0 kW (L5) Max power

Riding modes (L5)
35 Km/h - 45 Km/h
60 Km/h

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Performance tailored for urban delivery

The VS3 L5 delivers performance perfectly suited for city delivery needs. It reaches a top speed of 60 km/h and is equipped with a 4.0 kW nominal motor, peaking at 5.0 kW. With a maximum torque of 250 Nm, it provides strong acceleration even under full load. 3 riding modes allow the rider to adapt performance to various conditions.



Jorge Lorenzo special rider of our VS3

High power motor



BATTERY

Min - 0% to 80% (Optional) Super fast charger 13.2kW

Hours (Optional) Fast charging time

> **Hours** (Standard) Charging time

110 Km* (L2e with 2 batteries)
Range (WMTC Stage 3*)

Km* (L5e with 2 batteries) Range (WMTC Stage 3*)

High performance battery & intelligent energy management

The **VS3** features a **74V45Ah** battery that, when used in a **dual-battery setup**, delivers a range of up to 110 km (L2) and 100 km (L5), according to the WMTC Stage 3 test cycle.

nagement System and a CAN BUS Com- ging from 0% to 80% in just 30 minutes.

munication controller, ensuring safe, efficient, and real-time energy monitoring. The standard **74V10A** charger fully charges one battery in **5 hours**. For faster charging, extra optional solutions include a 74V20A fast charger (2.5 hours per battery) and a It is managed by an advanced **Battery Ma- 13.2 kW super fast charger**, capable of char-



Battery



Chargers



Super fast charger 6.6 kW



CYCLING

Agility and power on every route

Thanks to its advanced electric motor and high torque, the VS3 L2 & L5 tackles inclines of up to 14° with ease. This climbing angle makes it ideal for overcoming urban climbs and hilly trails effortlessly, providing a smooth and stable ride.

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Steep inclines Climbing Angle (L2-L5)

Hydraulic damping suspensions

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

Front suspension ø31mm





VS3 L5 FOOT BRAKE



New foot brake, New level of safety

The new VS3 L5 foot brake system has been engineered to deliver enhanced safety, comfort, and ease of use for professionals in urban mobility. Integrated into the vehicle's floorboard and designed for intensive daily use, the foot brake ensures a quick and progressive response, providing superior control even in demanding conditions. Developed for the B2B market, this feature reinforces the VS3 L5's identity as a reliable, stable, and high-performance three-wheel electric scooter, perfectly suited for corporate fleets, delivery services, and next-generation urban logistics.

Foot brake pedal

SAFETY



Rear disc brake Ø180mm

High-performance SSBS (L2) or CBS (L5), ensuring maximum safety and control in all braking conditions.



Front disc brake Ø240mm

High-performance **SSBS (L2)** or **CBS (L5)**, powerful front calipers.



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. 100/80-16 | Rr. 125/65-12**.



Safe start with braking

The **VS3** features a **safe start with braking** system that prevents unintentional movement at launch. Maximum stability and control from the very first moment.

TECHNOLOGY



Front & rear LED

Equipped with a powerful **LED** front headlamp designed to provide maximum visibility in all lighting conditions. The bright, even illumination improves safety when riding at night or in dimly lit environments, while also helping to make the vehicle more visible to other road users. The front headlamp **Lighting class B** provides powerful illumination with an **intensity** of **16.000** cd.



Reverse button

The **VS3** features a convenient **reverse button** that makes maneuvering in tight spaces easier and reduces operator effort.



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.



USB + Type C

Dual **USB** and **Type C** charging ports, designed to provide maximum convenience during deliveries. This equipment allows smartphones, **GPS** devices or other electronic accessories to be charged directly from the vehicle, keeping everything operational at all times.

ERGONOMICS

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780 mm

154 mm

Ergonomics designed for comfort and efficiency

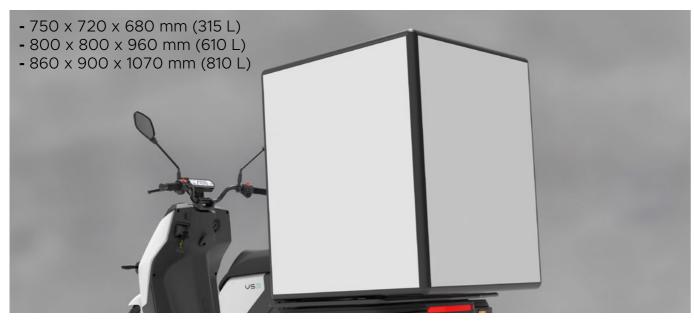
The VS3 has been carefully engineered with a focus on ergonomics, ensuring maximum comfort both while riding and during daily operations. Its seat height, frame geometry, and overall layout are designed to make loading and unloading effortless, without straining the back or compromising posture. Every detail is optimized to provide a smooth, efficient, and safe experience, even under the demanding conditions of professional urban delivery.

Extra comfort

Wide footrest

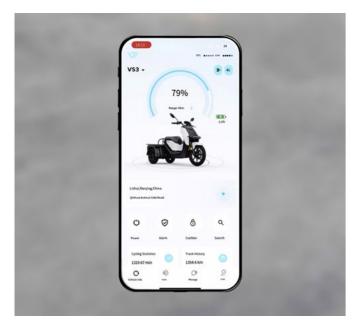


KEY OPTIONAL PARTS



Box option

App



Note that the second se

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

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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



BATTERY
Battery rent
Battery swapping
Charging infrastructure
Fast charger

VEHICLE Vehicle sales Vehicle rental Local service B2B - B2C

TECHNICAL INFORMATION



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Homologation	L2e / L5e	LxWxH	Version 1: 2300mm*800mm*1540mm Version 2: 2360mm*900mm*1650mm Version 3: 2250mm*800mm*1260mm
Rated power	L2e 2.7 kW L5e 4.0 kW	Wheelbase	1535 mm
Max power	L2e 3.3 kW L5e 5.0 kW	Ground clearance	154 mm
Battery model	NCM lithium battery	Seat height	780 mm
Battery capacity	74V/45Ah x 2 PCS	Rims	Fr. 2.15-16 Rr. 3.5-12
Charging time	Standard 5 h x PCS Optional 2.5 h x PCS Optional 30 min 0% to 80%	Tyres	Fr. 100/80-16 Rr. 125/65-12
Charging power	Standard 74V10A Optional 74V20A Optional 6.6 kW & 13.2 kW	Suspension	Hydraulic damping system
Range* (EM)s	L2e 110 Km L5e 100 Km	Weight	Version 1: 175 kg Version 2: 182 kg Version 3: 164 kg
Max speed	L2e 45 Km/h L5e 60 Km/h	Brakes	L2e SSBS L5e CBS
Climbing angle	L2e 14° L5e 14°	Colours	White (Customizable)

*WMTC Stage 3

Compatible with the EMS system





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