

V3

TRUST THAT RIDES EVERY STREET




VMOTO
FLEET

VMOTO

ELECTRIC MOBILITY SOLUTION

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Jorge Lorenzo special rider of our **VS3**

**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.

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



DESIGN

Front



Side view



Top view



PERFORMANCE

45 Km/h
Max speed

250 Nm
Max torque

2.7 kW
Rated power

3.3 kW (L3)
Max power

3 Riding modes
25 Km/h - 35 Km/h
45 Km/h

Performance tailored for urban delivery

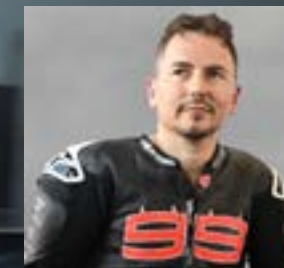
The **VS3** delivers performance perfectly suited for city delivery needs. It reaches a top speed of **45 km/h** and is equipped with a **2.5 kW** nominal motor, peaking at **3.3 kW**. With a maximum torque of **148 Nm**, it provides strong acceleration even under full load. **3 riding modes** allow the rider to adapt performance to various conditions.



JORGE LORENZO



Official Vmoto Testimonial
5-times MotoGP World Champion



Jorge Lorenzo special rider of our **VS3**

High power motor



BATTERY

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

2.5 Hours (Optional)
Fast charging time

5 Hours (Standard)
Charging time

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

74v 45Ah NCM
Battery

High performance battery and 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 according to the WMTC Stage 3** test cycle.

It is managed by an advanced **Battery Management System** and a **CAN BUS Communication** controller, ensuring **safe, effi-**

cient, 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 **6.6 kW super fast charger**, capable of charging **from 0% to 80% in just 30 minutes**.



Battery



Chargers



Standard charger
74V 10A



Optional charger*
74V 20A

Super fast charger 6.6 kW



CYCLING

Agility and power on every route

Thanks to its advanced electric motor and high torque, the **VS3** 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.

14° 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 ø31mm



CYCLING



Flexible body

The **VS3** features a **tilting arm** that allows the vehicle to lean up to **45°**, ensuring excellent **agility** and **flexibility** for urban deliveries.

For **safe parking**, simply engage the **locking lever** to secure the system in place.

Flexible body



Rotation axis lock lever



SAFETY



Rear disc brake Ø180mm

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



Front disc brake Ø240mm

High-performance **SSBS**, 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

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



Super grip



780 mm

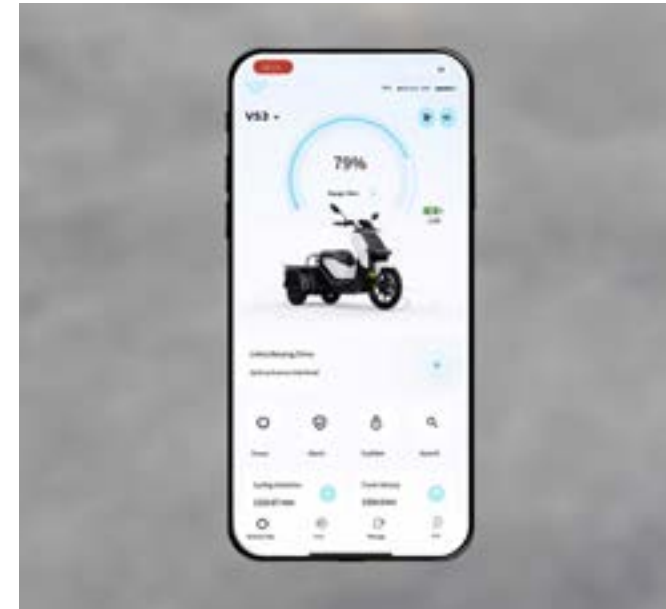
154 mm

KEY OPTIONAL PARTS



Box option

- 750 x 720 x 680 mm (315 L)
- 800 x 800 x 960 mm (610 L)
- 860 x 900 x 1070 mm (810 L)



App



Phone holder

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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VS3



Homologation	L2e-U	LxWxH	Version 1: 2300mm*800mm*1540mm Version 2: 2360mm*900mm*1650mm Version 3: 2250mm*800mm*1260mm
Rated power	2.7 kW	Wheelbase	1535 mm
Max power	3.3 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	Suspension	Hydraulic damping system
Range*	110 Km	Weight	Version 1: 175 kg Version 2: 182 kg Version 3: 164 kg
Max speed	45 Km/h	Brakes	SSBS
Climbing angle	14°	Colours	White (Customizable)

*WMTC Stage 3

Compatible with the EMS system

*Front basket and bracket for demonstration





**ELECTRIFY
YOUR WORLD**

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