

V51

MAXIMIZES THE EXPERIENCE OF DELIVERY



Index

- 4** Design
- 8** Performance
- 10** Battery
- 12** Cycling
- 14** Safety
- 16** Technology
- 18** Ergonomics
- 22** Technical information



DESIGN

Minimalist design in the service of urban delivery

The **VS1**, designed for the **delivery** sector, is distinguished by a **streamlined, functional** design geared toward maximum efficiency. The **clean lines** and **sturdy frame** reflect a minimalist aesthetic that does not sacrifice practicality: every detail is designed to withstand the **stresses of daily use**, **facilitate loading**, and ensure a **stable ride even with heavy weights**.

The result is a vehicle that combines form and function, meeting the demands of professional urban mobility with elegance and reliability.



DESIGN

Front



Central & side carrier (optional)



Back



PERFORMANCE

90 Km/h
Max speed

210 Nm
Max torque

4.0 kW
Rated power

5.4 kW
Max power

Riding modes
3 45 Km/h - 60 Km/h
90 Km/h

Brilliant performance for the city and beyond

The **VS1** surprises with its performance, perfect for those seeking agility and punch in electric mobility.

With a top speed of **90 km/h**, impressive torque of **210 Nm** and peak power of **5.4 kW**, this bike offers a lively sprint and dynamic ride. The **3 riding modes** allow performance to be adapted to any situation, while the **FOC 3.0 control unit** optimizes efficiency, increasing power by **16%**.

An ideal combination for those who want to move in style without sacrificing responsiveness.



F.O.C. 3.0 control unit



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

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

74v 45AH NCM
Battery

High performance batteries for maximum autonomy

The **VS1** is equipped with high-capacity lithium-ion batteries, available in **74V/45Ah** and **74V/30Ah** denominations.

The combined use of two batteries provides a range of up to **130 km**, ideal for the demands of intensive urban delivery. Three charging options - **standard**, **fast**, and **super fast** - are available to suit any work pace and optimize vehicle usage time.



Battery



74V/30Ah

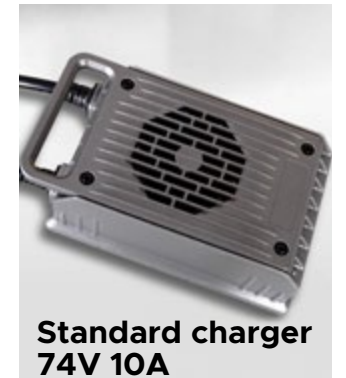


74V/45Ah

Chargers



Optional charger*
74V 20A



Standard charger
74V 10A

Super fast charger 6.6 kW CAN BUS communication



CYCLING

Agility and power on every route

Thanks to its advanced electric motor and high torque, the **VS1** tackles inclines of up to **19°** with ease. This climbing angle makes it ideal for **overcoming urban climbs** and **hilly trails effortlessly**, providing a smooth and stable ride.

19° Steep inclines
Climbing Angle



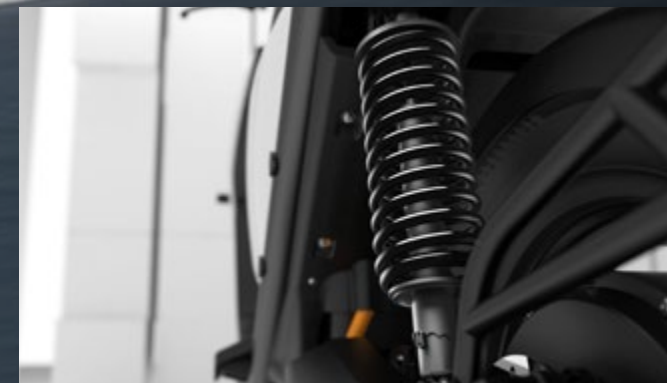
Hydraulic damping suspensions

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

Front suspension diameter $\varnothing 35\text{mm}$



Rear suspension diameter $\varnothing 36.4\text{mm}$



SAFETY



Rear disc brake

High-performance **CBS**, ensuring maximum **safety and control in all braking conditions**. Rear disc brake **180 mm**.



Front disc brake

High-performance **CBS**, front disc brake **240 mm**.



CST tyre

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



Steady stand

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

TECHNOLOGY



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.



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.



Smart key

Our **smart key** technology unlocks the motorcycle effortlessly, one press to **activate it**. Convenience meets innovation.



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 redefined: Comfort meets functionality

VS1 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, **VS1** allows **you to ride for hours**, enjoying both the adrenaline of the road and the pleasure of effortless control.

Extra comfort



Super grip





TECHNICAL INFORMATION

Attention: The photos and technical information contained in this catalog may refer to prototypes subject to changes during production and are for purely illustrative and reference purposes, therefore they are not binding for Vmoto International. Vmoto cannot be held responsible for any printing and/or translation errors. This catalog is transnational and therefore some products may not be available and/or their characteristics may vary according to local laws. Not all colors and versions are available in every country. Vmoto reserves the right to make changes and improvements to any product without prior notice or to make such changes to products already sold. Further characteristics of the products are contained in the relevant user manuals. The products represented are not final versions and are therefore subject to significant changes at the discretion of Vmoto without notice. The photographs published in this catalog show only professional drivers in controlled road conditions. Do not try to imitate this driving behavior as it could be dangerous for you or other people on the road. This catalogue, including, but not limited to, trademarks, logos, texts, images, graphics and table of contents, constitutes the intellectual property of Vmoto, or in any case Vmoto has the right to reproduce it; Any total or partial reproduction, modification or other use of the catalog or its contents is prohibited, including publication on the Internet without the prior written consent of Vmoto. Actual battery consumption may vary based on many factors, including, but not limited to, riding style, maintenance performed, weather conditions, surface characteristics, tire pressure, load, rider weight and the passenger, the accessories. Curb weights are considered with all operating fluids, standard equipment and battery. For more information visit www.vmoto.com.

VS1

Homologation	L3e-A1 (comparable to a 125cc.)	LxWxH	2049 mm*727 mm*1141 mm
Rated power	4.0 kW	Wheelbase	1366 mm
Max power	5.4 kW	Ground clearance	154 mm
Battery model	NCM lithium battery	Seat height	780 mm
Battery capacity	74V/30Ah (Optional 2 PCS) 74V/45Ah (Optional 2 PCS)	Rims	Fr. 2.15-16 Rr. 2.5-14
Charging time	Standard 5 h or 3.5 h x PCS Optional 2.5 h or 1.5 h x PCS	Tyres	Fr. 100/80-16 Rr. 110/80-14
Charging power	Standard 74V10A Optional 74V20A	Suspension	Hydraulic damping system
Range*	2 x 74V/45Ah 130 Km 2 x 74V/30Ah 105 Km	Weight	109 kg (without battery)
Max speed	90 Km/h	Brakes	CBS
Climbing angle	19°	Colours	White (Customizable)

*WMTC Stage 3



**ELECTRIFY
YOUR WORLD**

vmoto.com