

TC
WANDERER

TC PRO
WANDERER

AGILITY, SCRAMBLER, VINTAGE, GREEN.



V | **VMOTO**
ELECTRIC VEHICLES

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DESIGN

Vintage spirit, adventure soul

The **TC Wanderer PRO** and **TC Wanderer** share the same **vintage-inspired** design **blended with modern adventure styling**, crafted for riders who seek character without compromising on functionality.

Soft lines, retro details, and refined finishes are paired with **rugged, versatile elements**, ready to tackle any journey with confidence.

Both versions feature the same iconic look, with **performance as the only difference**: one design, two distinct riding experiences.

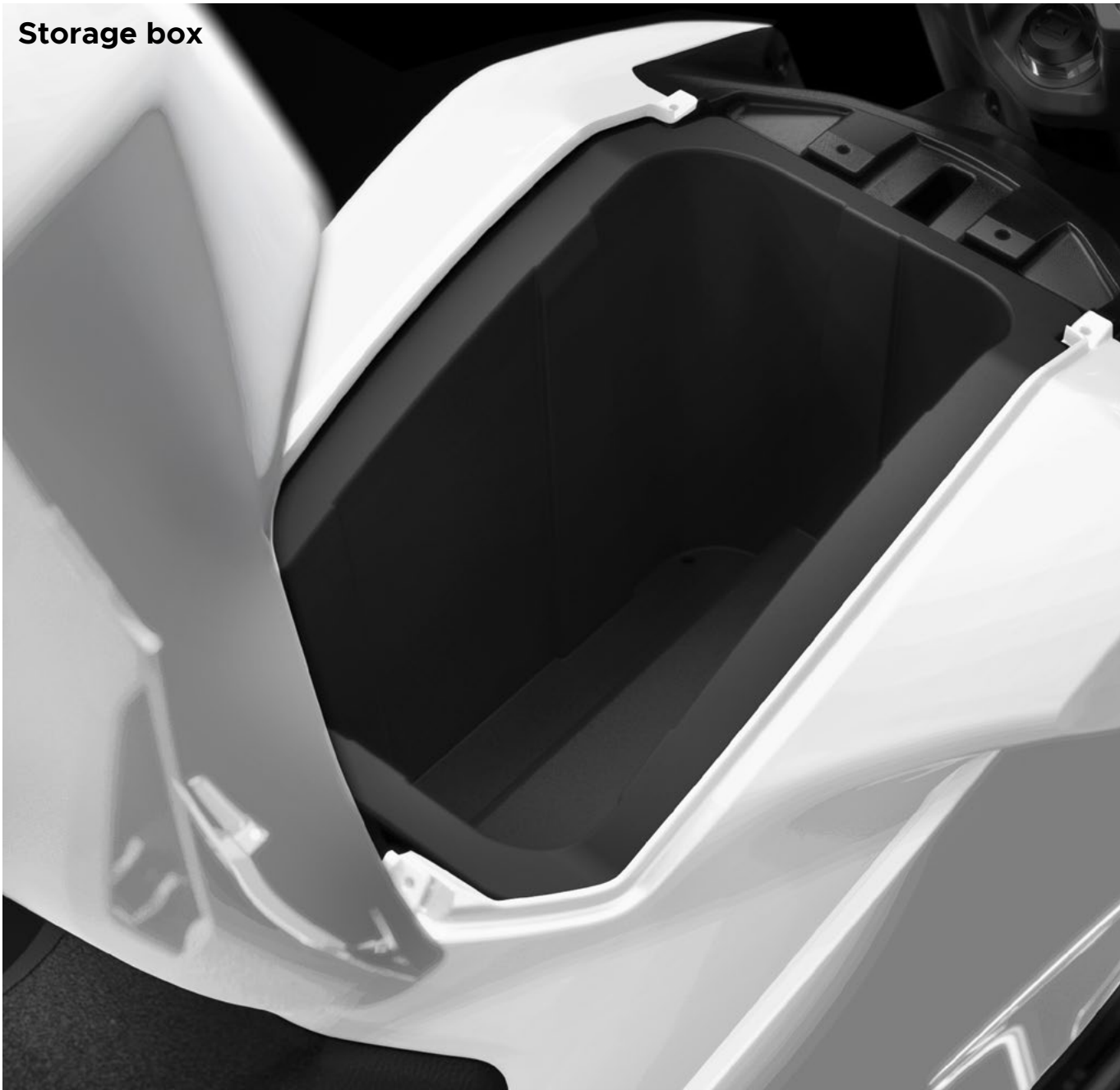


DESIGN

Front



Storage box



Back



PERFORMANCE

90 Km/h
Max speed

130 Nm
Max torque

4.1 kW
Rated power

5.2 kW
Max power

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



Enhanced performance

The **TC Wanderer PRO** is built for riders who demand more from their urban electric motorcycle.

With a **top speed of 90 km/h** and an impressive **130 Nm of torque**, it delivers responsive acceleration and confident handling. Its motor offers a **nominal power of 4.1 kW** and **peaks at 5.2 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.

Technical specifications for the basic version of the **TC Wanderer** are listed in the table at the end of the catalog.

High power motor



F.O.C. 3.0



The technical data listed above refer to the **TC Wanderer PRO**.

BATTERY

Range & efficiency

Both versions of the **TC Wanderer** are equipped with **60V32Ah** batteries, engineered to deliver an optimal balance of **range, efficiency, and charging speed**.

The **PRO** version offers up to **91 km** of range with two batteries, while the **basic** version reaches up to **100 km**, based on the **WMTC Stage 3** test cycle.

With a charging power of **0.6 kW**, a single battery can be fully recharged in just **3.5 hours**, ensuring convenience and reliability for everyday use.

3.5 Hours
Charging time

0.6 kW
Charging power

91 Km*
Max range (WMTC S.3*)

60v 32Ah Lithium battery

The technical data listed on the left refers to the **TC Wanderer PRO**.



Battery



Charger



Charger 69.7V10A

Charging port

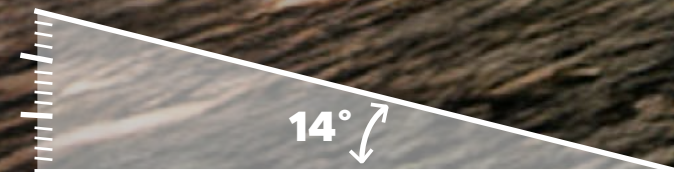


CYCLING

Climbing angle

The **TC Wanderer PRO** & **TS Wanderer** are **agile** and **powerful**, maintaining top performance even on **steep inclines up to 14°**. Conquer any road with ease.

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.

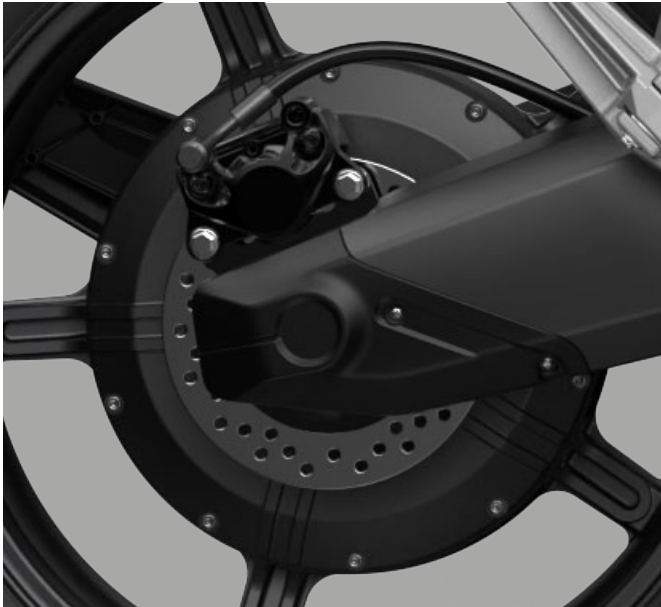
Front suspension ø35mm



Rear suspension ø34mm



SAFETY



Rear caliper Ø180mm

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**.



Side Stand

Advanced support system that includes the **side stand**, designed to ensure maximum stability in any situation.

TECHNOLOGY



Front LED

The **TC Wanderer'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 40.000 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

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

ERGONOMICS



Ergonomics redefined: comfort meets sportiness

TC Wanderer PRO & TC Wanderer are 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



OPTIONAL PARTS



Front bumper



Motorcycle cover



Rear good shelf



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

TECHNICAL INFORMATION



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TC
WANDERER

TC PRO
WANDERER

Homologation	L3e	LxWxH	2024 mm*788 mm*1114 mm
Rated power	TC W 2.5 kW	Wheelbase	1320 mm
	TC W PRO 4.1 kW		
Max power	TC W 3.5 kW	Ground clearance	173 mm
	TC W PRO 5.2 kW		
Battery model	NCM lithium battery	Seat height	770 mm
Battery capacity	60 V/32 Ah (2 batteries)	Rims	Fr. 2.5-17 Rr. 3.5-17
Charging time	3.5 h/PC	Tyres	Fr. 100/80-17 Rr. 120/80-17
Charging power	0.6 kW	Suspension	Hydraulic damping system
Range*	TC W 100 Km* (2 PCS.)	Weight	89 kg (without battery)
	TC W PRO 91 Km* (2 PCS.)		
Max speed	TC W 75 Km/h	Brakes	CBS
	TC W PRO 90 Km/h		
Climbing angle	14°	Colours	Black, White

*WMTC Stage 3.



**ELECTRIFY
YOUR WORLD**

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