

PRESS RELEASE

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MASTER E-TECH ELECTRIC'S 460 KM ON A SINGLE CHARGE MAKES IT THE NEW STANDARD FOR RANGE AND EFFICIENCY

- New Master E-Tech electric's WLTP range – up to 460 km – ranks it as Europe's new standard-setting electric van!
- The vehicle is equipped with two battery options, 40 kWh and 87 kWh, optimised in terms of capacity, size and mass, for overall efficiency at the top of the category.
- This performance has been made possible by its "Aerovan" design and a new, fully optimised platform, which have helped to reduce power consumption by more than 27% compared with the current generation.



New Renault Master was designed from the start to go far, load more, and spend less.

Renault has chosen two batteries optimised for capacity, size and mass, combined with in-depth work on aerodynamics and a brand-new innovative platform.

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The van comes with a choice of two energy storage capacity ratings: 40 kWh and 87 kWh. These two packs are built into a single casing and designed for driving requirements in cities as much as in suburbs. And they do not hamper the vehicle's payload capacity – which is an essential criterion in this segment.

Renault optimised the van's range by tackling it from two angles: the "Aerovan" concept and the multi-energy platform (encompassing the main motor, innovative dynamic braking system and battery heat management system).

It is the "Aerovan" design that provides the highest efficiency in its category regardless of the energy source. Its SCx is over 20% lower, ranking the van at the top end of the segment.

New Renault Master E-Tech electric was engineered in a wind tunnel. Its silhouette and every single part were honed to perfection. The prototypes spent thousands of hours in the tunnel during development then, given the van's size, certification tests were carried out in wind tunnel built for aircraft.

To address all professional users' requirements, the powertrain's performance was upgraded with a 300 Nm/105 kW motor and a transmission system with one of the highest ratios in the heavy electric van market.

The New Master E-Tech electric range includes vans with a maximum authorised laden mass of 4 tonnes and towage muscle never seen before in the segment, without compromising handling, even in the fast lane.

The battery heat management system keeps the temperature constant, which increases the battery's performance and extends its useful life.

The cab air conditioning system (which comes as standard) also helps to keep indoor temperature at optimal levels and the van's range as long as possible, in summer as much as winter.

The dynamic braking system – a first in an LCV – also limits the number of components in the motor compartment (an internal motor actuates the brakes).

Besides providing a braking boost, the system responds faster, which also improves the vehicle's active safety. By uncoupling the driver's pressure on the pedal from the braking mechanism, the system can turn the kinetic energy from the deceleration into electric power to charge the battery and extend its range. The system can harvest up to 95 kW of energy this way.

All this work has improved efficiency in very real ways: New Renault Master consumes 27% less energy than the current generation, has a 460 km WLTP range and its payload capacity is substantial.

New Renault Master E-Tech electric boasts 1,625 kg of payload capacity (in a van requiring a B-category driving licence) and can tow 2.5 tonnes. Its consumption remains reasonable, at 21 kWh/100 km (WLTP) with the 87 kWh battery.



A 130 kW DC fast charge adds 252 km of range in 30 minutes. A 22 kW AC home Wallbox tops up the battery from 10% to 100% in under 4 hours.

New Renault Master E-Tech electric is powered by a 96 kW or 105 kW motor, in both cases delivering 300 Nm of torque. The first runs on a 40-kWh battery and has an approximately 200 km WLTP range (pending certification), the second runs on an 87 kWh battery with an up to 460 km WLTP range.

The van also includes V2X capabilities:

- Vehicle To Load (V2L) to charge other devices from an outlet in the cockpit or load area, as well as adaptors to plug power tools, computers and other devices into charger outlets. You can also power custom-built body parts (refrigerated compartments, workshop machinery, automatic tailgates, extra heating or air-conditioning systems, etc.) directly from the battery.
- Vehicle To Grid (V2G) to feed energy from the battery to the grid using a bidirectional charger.

And New Renault Master E-Tech electric comes with several exclusive functionalities which provide a user experience that looks and feels a lot like a smartphone.

Google Maps takes the user's preferences into account and suggests optimised itineraries according to them. An Electric Route Planner also helps to fine-tunes itineraries in an electric vehicle.

The My Renault app provides an array of additional services tailored for electric vehicles and keeps the high-tech and ever handy New Renault Master E-Tech electric connected to the user's digital ecosystem.

Lastly, a choice of services from Mobilize will make life easier in an electric New Renault Master van.

Renault Master E-Tech electric is the only vehicle in its category to be made in France: the three versions (ICE, electric and hydrogen) and all the bodies come from the same production line in Batilly (near Metz, eastern France).

Available starting in spring 2024.

Find out more in the press release introducing New Renault Master, [here](#).



ABOUT RENAULT

For more than a century, Renault has been designing, making, and selling LCVs that meet the demands of professional clients around the world.

Express, Kangoo, Trafic, and Master: iconic vehicles that are recognised around the world for the innovative ways in which they improve the daily lives of their users.

As a European leader for more than a decade on numerous markets (ICE and EV), Renault Pro+ offers customised and smart sustainable mobility solutions through a unique combination of solutions, services and financing offers that simplify and boost business for professional customers. It brings together innovative digital solutions with a panel of approved body makers and a network of commercial vehicle experts located in more than 600 Renault Pro+ centres in more than 25 countries.

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