



All-new Twingo Electric

Behind the wheel of the new queen of the city





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INTRODUCTION

With Twingo Electric, Renault's iconic small city car now offers its all-electric engine. Thanks to this new mode of propulsion Twingo offers even greater driving pleasure and comfort in everyday life. With its bubbly personality, this fun and easygoing car reaches its full potential in its favourite playground... By going all-electric, Twingo is more than ever the queen of the city!



Since its first appearance in 1992, Twingo has constantly reinvented itself in line with changing uses and needs. After three generations and almost four million cars sold in 25 countries, Twingo has broken new ground with the launch of its all-electric version, [Twingo Electric](#).

Renault has leveraged its extensive knowledge of the small city car segment to develop an electric car whose driveability, operating range and features are perfectly [suited to the needs of small city car users](#). Built on a platform designed for electric cars, Twingo Electric offers the same performance levels that have already made Twingo such a success while further enhancing driving pleasure.

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Twingo Electric takes Twingo's fun design, attractive personality and exclusive customisation possibilities and enhances them with features that underline its electric character.

Where driving pleasure and convenience are concerned, Twingo Electric, just like its internal combustion counterpart, has the industry's best-in-class turning radius. Its electric rear-wheel drive and different driving modes make it even more fun and enjoyable to drive. With its 22 kWh battery, Twingo Electric can zip around the city for a whole week on a single battery charge. Its flexible charging system allows it to charge up to four times faster than its competitors on 22-kilowatt AC charging stations commonly found in public areas.

And it makes an even better everyday companion, with its compact size, outstanding roominess and modularity. New connected services make life easier for drivers across the entire Twingo range and, on Twingo Electric, include all the features specific to Renault's electric vehicles.

"Twingo Electric is well into its time, supporting the energy transition of our mobility... in its own way: Going electric enhances Twingo's personality and underlines its already well-established benefits!"

Stéphane Wiscart, Renault Twingo Deputy Programme Director

THE PRODUCT OF DUAL EXPERTISE

Today, Renault is the only major player on the small city car market to have significant expertise in electric cars. A real “super city car”, Twingo Electric is the result of the combination of two sets of expertise.



Twingo Electric is Renault’s response to changing demand in the small city car segment, where drivers are looking for practical, fuel-efficient and environment-friendly cars. In an urban context, electric vehicles are the obvious ideal solution for daily commutes.

Twingo Electric builds on the iconic status and popularity of Twingo, a long-standing leader in the A-segment on the French market and the fourth best-selling small city car in Europe. It is also the seventh all-electric vehicle developed by Renault, since the Group already has the ZOE model, the Twizy quadricycle and the Kangoo Z.E. and Master Z.E. vans, as well as the RSM SM3 Z.E. saloon, sold in South Korea, and the Renault City K-ZE small SUV, sold in China. As a super city car, Twingo Electric is positioned on a niche complementary to that of ZOE, a versatile city car.

Twingo Electric is built on a [platform designed to suit electric cars](#). It thus takes advantage of all the expertise that Groupe Renault has acquired in electric vehicles in the past ten years.

Its 22 kWh battery boasts latest-generation lithium-ion cells developed in partnership with LG Chem. It has been fitted into the car so as not to alter either the roominess or the volume of the boot. Its thermal management via a water cooling system also makes the car more compact while adding to performance. Twingo Electric is fitted with the Caméléon® charger developed by Groupe Renault for ZOE, and is the first small city car to offer accelerated charging at 22 kW as standard. Its aluminium crash boxes, fully embedded in the battery structure, also improve the vehicle’s lateral resistance.



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The Twingo Electric powertrain (motor, reduction gear and charger) is based on that of ZOE and manufactured at Cléon in western France, on the production lines that already make other electric engines for Renault. It gives the small city car first-class energy efficiency.

The car is then assembled at the Novo Mesto plant in Slovenia, where all the other New Twingo versions come out of. It is distributed and serviced within the Renault network, where all the sales and technical teams have been trained in the special features of electric vehicles, across all European countries.

DESIGN AS ICONIC AS EVER

Exterior character

The latest-generation Twingo proudly boasts its compact size with a stylish and eye-catching design. Twingo Electric adds a few landmark features specific to the Renault electric vehicle family.



Twingo has always cherished its mischievous and endearing look. The current version is no exception. Its sculpted front bumper, with attractive air inlets that enhance the aerodynamic design, and headlight units with the C-shaped LED signature give it a vibrant, eye-catching front end. Bodywork shades, colour packages, stripping and wheels can be combined to give Twingo a wealth of customisation options, whatever the engine. Twingo Electric also boasts design features specific to electric vehicles.

Electric blue edging

Blue edging highlights the centre of the wheels. It is part of the trims, from the first trim level (Life), and embellishes the various wheel options offered at higher levels.

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Side edging

Twingo Electric's bodywork boasts a blue side stripping from the Intens trim level, running the full length of the car to set off its curves and emphasise the edge line. The driver can also choose to have it in a different colour.

Front-end inserts

The horizontal patterns which highlight the front end also feature the electric blue signature from the Intens trim level.

Charging socket

The battery charging socket (Type 2 standard) is fitted where the fuel filler flap is usually located.

Interior character

Still as roomy and functional as before, the passenger compartment retains all the customisation options offered on the range. The seven-inch colour touch screen, unique in the segment, offers access to Twingo's new connectivity features.



From the Zen second trim level, Twingo Electric offers a choice of interior ambience from a selection of customisation packages that define the colour of the instrument panel strip, air-vent contours, gear lever base and steering wheel spokes, as well as the colour of the upholstery weave. The centre console offers a large amount of storage space and a centre seven-inch touch screen available from the Zen trim level.

Gear Lever

The gear lever is used to select the various electric motor drive modes.

Door sills

The electric look with blue accents also features on the front door sills from the Zen trim level, using a pattern inspired by the strip on the outer body.

Seven-inch colour touch screen

Drivers can access all Renault EASY CONNECT connected services via the Renault EASY LINK seven-inch touch screen, integrated as standard into the centre console. They can also access all these services from the MY Renault smartphone app. On Twingo Electric, this digital environment has been

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enhanced [with unique electric vehicle features](#) to make it more user-friendly, such as charge monitoring and route planning which shows the location of charging stations.

Vibes limited edition



Twingo Electric is also being launched in an all-new Vibes edition, available with any engine. This dazzling special edition with its dynamic and distinctive looks exclusively features the Orange Valencia colour of the Twingo range. Its (optional) unique stripping creates contrasting streaks of colour that embellish the whole bodywork, running across the roof diagonally between the doors. The wheels and front-end inserts also have an exclusive, distinctive style while the stickers on the roof and loading hatch emphasise the car's punchy personality. The stripping also features in the passenger compartment on the instrument panel, matching the dynamic personality of the outside. The orange accents of the floor mats and gear lever base highlight the upholstery and exclusive trims.

Twingo Electric Vibes edition is bursting with positive energy.

Exterior :

- Exclusive Orange Valencia colour plus six other colours
- Full Pack version: Stripping on the whole bodywork running across the roof diagonally between the doors. A unique sticker is also featured on the roof. It is available in two colours creating a contrast with the car's body colour
- Light Pack version: A contrasting colour strip runs the full length of the car from the headlights to the tail lights
- Side strips and lower protective door panels with "Vibes" badge
- Special stripping above the loading hatch
- White 16-inch diamond-cut alloy wheels and orange nut caps

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- Front grille with white trim

Interior :

- Exclusive fabric/leather like upholstery with orange strip on the front seats
- Orange trim circling the gear lever and unique floor mats
- Orange topstitching on the door panels
- “Vibes” sticker on the centre console and matching pattern on the instrument panel
- Seven-inch screen and Renault EASY LINK multimedia system with real-time location of charging stations, compatible with Apple CarPlay and Android Auto

DRIVING PLEASURE : EVEN MORE FUN

Already highly popular for its driveability and turning radius, Twingo Electric gives users an even more energised driving experience and is more fun to drive. Its operating range and flexible charging system guarantee drivers real freedom of movement.

Driving experience



Twingo has always strived to make city driving enjoyable. For instance, the internal combustion version is the only small city car on the market to offer an automatic EDC six-speed transmission. Twingo Electric completes this offer with its [electrifyingly responsive](#) engine and the introduction of new specific driving modes.

Driveability

Twingo Electric's highly responsive electric engine further emphasises the car's fun and dynamic character. Its compact size (3.61 metres long) and wheels located at the four corners increase its agility. Just like its internal combustion counterpart, Twingo Electric with its rear-mounted engine still provides the best-in-class turning radius: only 8.6 metres are required to make a U-turn.

Engine

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Twingo Electric's R80 engine has a capacity of 60 kW (82 hp) and provides immediate maximum torque of 160 Nm. Drivers get strong and silent acceleration and pick-up even at low revs. The engine can reach 50 kph (31 mph) in as little as four seconds. The 135 kph (84 mph) top speed allows for all expressway or motorway travel.

Driving mode

[Twingo Electric features a "B mode"](#) which allows drivers to adapt their driving to traffic conditions and to the type of road by choosing from three regenerative braking levels (B1, B2, B3) selected via the gear lever. The most advanced configuration reduces the need for braking and enhances driving comfort to make city driving easier. By contrast, the most continuous level allows the vehicle to keep going almost as if it was in freewheel mode and is particularly adapted to suburban main roads. The intermediate level selected by default offers moderate deceleration, ideal for the variety of driving conditions found in everyday life.

Freedom of movement



Driving pleasure also means peace of mind. Twingo Electric can manage on average a week of city driving without recharging. It is also best-in-class for taking advantage of a stop to use the charging facilities most commonly found in public places.

Operating range

With its 22 kWh battery, Twingo Electric has a range of up to 270 kilometres (168 miles) in WLTP City cycle and up to 190 kilometres (118 miles) in Full WLTP cycle*. Given that the average daily commute for small city car users in Europe is around 30 kilometres (18.6 miles), the operating range is sufficient for a week's commuting without charging, making it the perfect electric city car alternative to internal combustion versions.

The "Eco" mode, activated by pushing a button on the centre console, offers an operating range of around 225 kilometres (140 miles) on mixed journeys, by limiting acceleration and top speed on expressways or motorways.

Flexible charging system

With its smart Caméléon® charger patented by Renault, Twingo Electric can be charged at home, at work, or using alternating current (AC) power infrastructure up to 22 kW. The technology enables it to adapt to the power available at each charging station and optimise charging in no time. As a result,

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Twingo Electric benefits from optimum charging time whatever the charging station and charges up to four times faster than its competitors.

Connection to a 22 kW charging station for just 30 minutes increases Twingo Electric's operating range by up to 80 kilometres (50 miles) for mixed journeys**. This offers a real advantage, given that there are many more 11 to 22 kW AC charging stations in public areas and that they represent the vast majority of charging stations in cities, which are Twingo Electric's favourite environment.

To go even further, accelerated charging at 22 kW can be repeated several times thanks to the water cooling system that ensures that the battery is at the right operating temperature, even when charging.

** WLTP = Worldwide Harmonised Light Vehicle Test Procedure. The WLTP City cycle corresponds to the urban part of the standard cycle. The Full WLTP cycle corresponds to the standard cycle. It corresponds to 57% of city journeys, 25% of suburban journeys and 18% of motorway journeys.*

*** The time and distance values mentioned here are calculated based on the results obtained by New Renault Twingo Electric during the WLTP approval process in standard cycle, which aims to provide data that reflect realistic driving conditions. These values do not, however, presume the type of journey chosen after charging. Charging time and recovered driving range also depend on the temperature, battery wear, power from the charging station, the style of driving and level of charge.*

PRACTIBILITY: AN EVEN BETTER COMPANION

Twingo is going electric without changing its roominess and modularity. Its features and connected services, based on the latest ZOE version, meet all needs in an intuitive way to ensure even greater practicality and comfort.



Convenience in everyday life

Small on the outside but big on the inside! Built on a platform designed to suit electric cars, Twingo Electric still has all the practical advantages of its internal combustion counterpart.

Pedestrian warning

Silence inside but easily heard outside where the situation requires. Twingo Electric features the ZOE warning system for optimum pedestrian safety. Drivers can choose between three sound schemes, whose intensity varies according to speed. They are disabled above 30 kph (18.6 mph), when tyre noise or air movement are enough to indicate the car's presence.

Roominess and modularity

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Twingo Electric's platform was initially designed to be fitted with a variety of engines, and the electric version still has all the clearance and roominess of the internal combustion versions. With five doors, a flat floor and a fully foldable passenger seat, it provides, for instance, a 2.31-metre loading length.

The size of the boot, closed by a handled tailgate, also remains the same, i.e. 240 litres.

Twingo Electric offers a centre console equipped with spaces and charging sockets suited for smartphones, as well as a closed glove compartment from the first trim level (Life).

Seamless connectivity



Whatever the engine type, Twingo features connected services to make the driver's life easier, accessible via the instrument panel onboard and from the driver's smartphone outside the vehicle. On Twingo Electric, they have been enhanced with features that make driving an electric vehicle even more intuitive.

Renault EASY CONNECT : across-the-board features for all engines...

The whole Twingo range will soon benefit from the Renault EASY CONNECT service for connected mobility, both inside and outside the vehicle.

The Zen and Intens trim versions give access to Renault's EASY LINK onboard multimedia system, displayed on a seven-inch touch screen integrated into the centre console and compatible with Apple CarPlay and Android Auto. Onboard sat nav connected services include route updates with real-time traffic information, Google search of destinations and points of interest for intuitive and relevant web searches, real-time road weather information, an auto-update service for automatic and regular updates of all features and services, etc.

Twingo offers the MY Renault mobile app for continuous connectivity between the car and the driver outside the vehicle. Drivers can send their itinerary directly from their smartphone, continue it on foot after parking and use the Find My Car option to easily locate their vehicle.

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... and complementary features specific to electric cars

Twingo Electric adds services to the general EASY CONNECT library that have been specifically created by Renault to support electric-vehicle use. Similar to those featured on ZOE, they confirm Twingo Electric's place among the best-in-class for electric-vehicle connectivity.

The MY Renault app and Renault EASY LINK onboard system allow drivers to schedule their car's charging cycle, for instance by taking advantage of off-peak times.

MY Renault and Renault EASY LINK can also set or schedule the desired temperature of the passenger compartment, including during charge time, to optimise both comfort onboard and the operating range. Temperature pre-conditioning ensures an ideal temperature as soon as the driver gets behind the wheel without affecting the driving range. When the vehicle is charging, the power required to heat or cool the passenger compartment comes directly from the grid and not the car's battery. Once on the road, the onboard system merely has to maintain a stable temperature inside.

The electric version also offers additional nav features. The car's range is shown in real time while driving, in Standard or Eco mode. Maps can display charging stations on request and show their availability in real time***.

Outside the vehicle, drivers can remotely check or manage their car's charge level via the MY Renault app. A notification is sent to the driver's smartphone to inform them when charging has started or ended. All charging cycles are recorded and can be later accessed via the app.

To pay for public charging stations, drivers can use a payment pass on the MY Renault app instead of subscribing to each different charging station provider***.

Charging at home can be done automatically at off-peak times to save money and via the smart charging app to use the lowest-carbon energy***. Users just need to enter the start time and the level of charge required for their next journey on their smartphone. The system then devises the best charging plan.

Ahead of a long trip, the journey planner on the MY Renault app allows drivers to simulate their route and identify the charging stations available, or display a visual image of the distance they can travel with a single charge on the Reachable Area feature.

*** Available at a later stage in certain countries.

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ENGINE	R80
DRIVING RANGE	
Approval protocol	WLTP ⁽¹⁾
Approved driving range in combined cycle (km) ⁽²⁾	190
Approved consumption in combined cycle (Wh/km)	160
Wheel size of the type-approved version ⁽⁴⁾	15"
Average range in real life condition summer / winter (km)	180 / 110
ENGINE	
Electric engine technology	Wound-rotor synchronous motor
Peak power kW EEC (hp) / Peak power rating (rpm) ⁽²⁾	60 (81) from 3,590 to 11,450
Peak torque EEC (Nm) / Peak torque rating (rpm) ⁽²⁾	160/from 500 to 3,590
BATTERY	
Usable capacity (kWh)	21,4
Technology	Lithium-ion
Total voltage (volts)	400
Number of modules / cells	08 / 96
Battery weight (kg)	165
CHARGING TIME ⁽³⁾	
Charger	Adaptive, single- or three-phase AC (from 2 kW to 22 kW)
2.3 kW home socket (single-phase 10A)	15 hours
Green-Up socket/3.7 kW Wallbox (single-phase 16A)	8 hours
7.4 kW Wallbox (single-phase 32A)	4 hours
11 kW charging station (three-phase 16A)	3 hours & 15 minutes
22 kW charging station (three-phase 32A)	1 hours & 30 minutes

⁽¹⁾ WLTP: Worldwide Harmonised Light Vehicle Test Procedure. The standard WLTP cycle corresponds to 57% of city journeys, 25% of suburban journeys and 18% of motorway journeys.

⁽²⁾ Under WLTP approval, the given value corresponds to the version of the vehicle which has obtained the best value.

⁽³⁾ Charging time depends on the temperature, battery wear, power from the charging station, the type of driving and level of charge.

⁽⁴⁾ The size of the wheels can impact the range of the vehicle.

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ENGINE	R80
GEARBOX	
Type	Single-speed reduction gear transmission
Number of Forward Gears	1
PERFORMANCE	
Top speed (km/h)	135
0-50 km/h – 0-100 km/h – 80-120 km/h (s)	4,2 – 12,9 – 11,5
SCx	0,68
STEERING	
Power-assisted	Yes (electric)
Turning radius between kerbs (m)	8,6
Number of wheel turns	3,93
WHEELS AND TYRES	
Available wheels (")	15" et 16"
Types of tyre	Nexen N'blue HD Plus (15"), Michelin Primacy 4
Size of tyres	15" : AV 165/65 R15 (81T) / AR 185/60 R15 (84T)
	16" : AV 185/50 R16 (81H) / AR 205/45 R16 (83H)
FREINAGE	
Front :	260 mm ventilated disc brakes
Rear :	9" drums
MASSES (KG)	
Unladen mass in running order	1,111 (with no options) / 1,168 (with all options)
Gross Train Weight (GTW) / Maximum Authorised Mass (MAM)	1 518
Within the MAM limit allowed on the front / at the rear	556 / 555
Payload (Life version with no options / Zen and Intens versions with all options)	416 / 350
Max braked / unbraked trailer mass	Unauthorised / Unauthorised

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BOOT CAPACITY (dm3)	
Boot capacity under luggage space cover (min. / max.)	188 / 219
Maximum boot capacity with back seat folded	980
DIMENSIONS (mm)	
Wheelbase	2 492
Overall length	3 615
Front overhang	629
Rear overhang	494
Front track width	1 452
Rear track width	1 425
Overall width	1 646
Unladen height	1 557
Height with tailgate open (unladen)	1 967
Boot sill height (unladen)	791
Laden ground clearance	120
Back-seat knee room	136
Front elbow width	1 362
Rear elbow width	1 325
Front shoulder width	1 321
Rear shoulder width	1 284
Front headroom	908
Rear headroom	855
Inside width between wheel arches	1 005
Loading length behind back seats	636
Maximum loading length with folded seats	1 336
Loading length up to the instrument panel (folded passenger seat)	2 315

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