

# RENAULT ELECTRIC VEHICLES

A COMPLETE RANGE



RENAULT  
**Z.E.**

**DRIVE THE CHANGE**





For updates and vehicle reservations, visit:  
**[www.renault-ze.com](http://www.renault-ze.com)**



## WHY WOULD YOU BE INTERESTED IN SWITCHING TO ELECTRIC?

### BECAUSE IT'S ECONOMICAL AND ECOLOGICAL.

When Renault Z.E. electric vehicles were shown for the first time at the 2009 Frankfurt Motor Show, they provoked a huge amount of interest from companies in every industry and from every country. But that shouldn't come as a surprise. Although the development of electric power for vehicles is now seen as a necessity and the most obvious answer to reducing our environmental impact, it also offers considerable advantages of cheaper and more eco-responsible mobility without compromising cost, performance or comfort.

In preparing and launching a complete range of electric vehicles, Renault has carefully considered the needs of every business user with one central priority: to ensure that the electric vehicle solution is accessible to all customers. Renault has therefore developed a unique business model, in which the individual buys or leases the vehicle in the traditional way, but leases the battery.

This solution allows us to offer an overall cost level that is very competitive in the market, at the same time as providing reassurance for users of this completely new battery technology. Another important advantage is that the cost of recharging an electric vehicle is less than £3. And that's a very long way from the cost of fuelling a traditional vehicle!

Company car tax, write down allowances, congestion charge.... governments are increasingly using the tax system to encourage you to make the switch to electric as part of reducing polluting emissions and our dependency on fossil fuels.

At the same time as saving you energy and money, electric vehicles will also enhance the image of your business!

You can already book your Renault Fluence Z.E., Twizy, Renault Kangoo Van Z.E. and Renault Kangoo Van Maxi Z.E. right now.

The future is already here, so now is the right time to step into the age of electric!

Andrew Heiron  
Head of Electric Vehicles UK.



# OUR RANGE OF ELECTRIC VEHICLES

Kangoo Van Z.E., Kangoo Van Maxi Z.E., Fluence Z.E., Twizy, ZOE Preview.

## OUR RANGE OF ELECTRIC VEHICLES

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## KANGOO VAN Z.E. RECHARGEABLE PRACTICALITY



**As the ultimate utility vehicle, Kangoo Van Z.E. combines the strengths of Renault Kangoo Van with all the benefits of electric technology at tightly-controlled cost.**

**STRENGTHS** Exactly the same load capacity as the conventional Kangoo Van (carrying capacity and payload: 3 m<sup>3</sup> to 3.5 m<sup>3</sup> and 650 kg), plus smooth, silent driving <sup>(1)</sup>.

**MOTOR OUTPUT** 44 kW (60hp), torque 226 Nm, maximum speed 81 mph.

**RANGE** 100 miles (NEDC combined cycle).

**RECHARGING METHOD** Standard (6 to 8 hours for a complete vehicle recharge).

**AVAILABILITY** From Autumn 2011. Reserve now at [www.renault-ze.com](http://www.renault-ze.com).

**DIMENSIONS** Overall length: 4,213 mm; width: 1,829 mm; height: 1,818 mm; number of seats: 2.

(1) No engine noise.

## KANGOO VAN MAXI Z.E. RECHARGEABLE VERSATILITY



**Whether in its 2-seater van version or 5-seater configuration, Renault Kangoo Van Maxi Z.E. offers you even more usable capacity, plus all the benefits of electric power technology. Zero noise <sup>(1)</sup> and zero emissions <sup>(2)</sup>.**

**STRENGTHS** Even greater load capacity than the Kangoo Van Z.E. (4 m<sup>3</sup> to 4.6 m<sup>3</sup>; that's nearly a whole m<sup>3</sup> more!), plus the ability to seat 2 or 5 in absolute silence <sup>(1)</sup>.

**MOTOR OUTPUT** 44 kW (60hp), torque 226 Nm, maximum speed 81 mph.

**RANGE** 100 miles (NEDC combined cycle).

**RECHARGING METHOD** Standard (6 to 8 hours for a complete vehicle recharge).

**AVAILABILITY** From Autumn 2011. Reserve now at [www.renault-ze.com](http://www.renault-ze.com).

**DIMENSIONS** Overall length: 4,597 mm; width: 1,829 mm; height: 1,818 mm; number of seats: 2 or 5.

(1) No engine noise. (2) In use, excluding service parts.



**FLUENCE Z.E.**  
**A 5 SEAT SALOON**  
**NOW WITH ELECTRIC TECHNOLOGY**



**Renault Fluence Z.E., a first-class saloon featuring fluid, spacious, high-tech design.**

- STRENGTHS** Comfort and capacity.
- MOTOR OUTPUT** Maximum power 70 kW (95hp), torque 226 Nm, maximum speed 84 mph.
- RANGE** 100 miles (NEDC combined cycle).
- RECHARGING METHOD** Standard (6 to 8 hours for a complete vehicle recharge).
- AVAILABILITY** From mid 2012. Reserve now at [www.renault-ze.com](http://www.renault-ze.com).
- DIMENSIONS** Overall length: 4,748 mm; width: 1,813 mm; height: 1,458 mm; number of seats: 5.

**TWIZY**

**URBAN AGILITY AND PRACTICALITY**



**Ideal for getting your sales and technical teams around the city, Renault Twizy always finds a way through the traffic!**

- STRENGTHS** Design, ease of use and compact size.
- MOTOR OUTPUT** Maximum power 15 kW (20hp), torque 57 Nm, maximum speed 50 mph.
- RANGE** 60 miles (urban cycle).
- RECHARGING METHOD** Standard from a household power socket (3½ hours for a complete vehicle recharge).
- AVAILABILITY** From Spring 2012. Reserve now at [www.renault-ze.com](http://www.renault-ze.com).
- DIMENSIONS** Overall length: 2,320 mm; width: 1,191 mm; height: 1,461 mm; number of seats: 2

## ZOE PREVIEW

### COMPACT AND AGILE FOR YOUR URBAN JOURNEYS



**Equally capable in the city and on the open road, ZOE Preview is a piece of ultra-desirable design incorporating 100% electric technology. Versatile and dynamic, it offers drivers a supremely intelligent mobility solution.**

**STRENGTHS** Compact and designed for the urban environment.

**MOTOR OUTPUT** Maximum power 60 kW (80hp), torque 222 Nm, maximum speed 84 mph.

**RANGE** More than 100 miles expected (NEDC combined cycle).

**2 RECHARGING METHODS** Standard (6 to 8 hours for a complete vehicle recharge), Fast (80% charge in 30 minutes).

**AVAILABILITY** From Autumn 2012.

**DIMENSIONS** Overall length: 4,086 mm; width: 1,788 mm; height: 1,540 mm; number of seats: 5.

**RENAULT Z.E.:**  
**SIMPLE, PRACTICAL,**  
**100% ELECTRIC**



# THE BUSINESS MODEL

## HOW CAN I BUY MY ELECTRIC VEHICLE?

RENAULT OFFERS A CHOICE OF SOLUTIONS, SO IT'S UP TO YOU TO DECIDE!

### 1 - BUY THE VEHICLE AND LEASE THE BATTERY

#### FOR HIGH ENVIRONMENTAL AND ECONOMIC PERFORMANCE.

As with all new vehicles in the Renault range, you can buy your Renault Z.E. outright, but to keep the purchase price competitive and ensure maximum performance from your vehicle at all times, you lease the battery.

### 2 - LEASE THE VEHICLE AND THE BATTERY

#### FOR MAXIMUM PEACE OF MIND AND MINIMUM COMMITMENT.

You can also choose a monthly lease payment that includes your Renault Z.E. vehicle and its battery. We can then offer you a monthly lease payment figure adapted to your vehicle usage pattern.

## THE RENAULT 'ALL IN ONE OFFER' COVERS EVERYTHING

Whichever option you choose, Renault will offer you a range of simple solutions, including vehicle, battery, charging solution, insurance, finance and a full range of services designed specifically for the world of electric vehicles.

It's an 'All In One' solution designed to meet all your needs!



# THE INFRASTRUCTURES

## HOW CAN I RECHARGE MY ELECTRIC VEHICLE?

TWO RECHARGING METHODS FOR MAXIMUM FREEDOM...

All Renault Z.E. models are equipped with high-performance, long-life lithium-ion batteries. Renault has developed two distinct Z.E. recharging methods designed to cover all your possible needs.

### 1 - STANDARD CHARGE

Simply connect your Renault Z.E. vehicle to a recharging point, either at home or in your company car park. Depending on the model of your vehicle and the power supply available, a full recharge will take between 3½ hours and 8 hours.

### 2 - FAST CHARGE

To top up your battery quickly, simply connect your Renault Z.E. to a 'Quick Charge' point at the roadside, in service stations and in retail parks. Just 10 minutes' charging is all you need for an additional range of 30 miles. If you can wait for half an hour, your battery will be 80% charged. This system will be available from the launch date for ZOE, to be followed later by Kangoo Z.E. and Fluence Z.E.

## HOW WILL I PLUG IN MY ELECTRIC VEHICLE?

DIFFERENT SOLUTIONS FOR DIFFERENT SITUATIONS.



### IN STANDARD CHARGE MODE

The cable that comes with your vehicle can be used to connect it to all public and home recharging points for standard mode charging.



### IN FAST CHARGE MODE

Simply connect the charging point fixed cable to your Renault vehicle.



### THE 220 V CABLE

Designed for occasional use when there is no recharging point available, this cable can be used to plug straight into an ordinary domestic power socket.

## GOOD TO KNOW

Fleets and businesses with multiple locations will eventually be able to set up their own private networks of recharging points.

# THE AUTONOMY

## HOW CAN I MANAGE THE OPERATING RANGE OF MY ELECTRIC VEHICLE?

RENAULT Z.E. VEHICLES OFFER A NUMBER OF SOLUTIONS TO MANAGE YOUR OPERATING RANGE.



## POWERFUL SUPPORT FROM ON-BOARD INSTRUMENTATION ...

### 1 THE BATTERY GAUGE

This shows the level of charge in the battery.

### 2 THE ECONOMETER

This instrument shows the driver the level of energy being consumed at any given moment, and indicates energy recovery phases (exclusive to the Renault Z.E. range).

### 3 THE ON-BOARD COMPUTER

Designed specifically for the needs of electric vehicles, the on-board computer shows you:

- Your remaining range in miles.
- Your average energy consumption.
- Your instant energy consumption.
- The number of kWh consumed.

## ... AND INNOVATIVE WAYS TO MAXIMISE VEHICLE RANGE.



## BRAKING ENERGY RECOVERY

The motor in your electric vehicle uses downhill slopes and deceleration to convert kinetic energy into electrical energy to keep the battery constantly topped up.

## PRE-CONDITIONING SYSTEM

To maximise the range of your vehicle, the pre-conditioning system allows you to program the climate control system to heat or cool the vehicle when it is on charge. Particularly useful in winter and summer, this standard feature ensures maximum range, at the same time as optimum driver comfort.

## ECO-MODE

Available on Kangoo Van Z.E. and Kangoo Van Maxi Z.E., eco-mode lets you extend your range by up to 10% by reducing electric vehicle motor performance (power output and torque). An indicator on the instrument panel shows when this function is active. For maximum safety, it turns itself off automatically during periods of high acceleration.

The climate control eco-mode fitted to the Fluence Z.E. allows the passenger compartment temperature to be adjusted to suit the outside temperature, which can extend vehicle range by up to 8%.

## ADDITIONAL HEATING

Available as an option on Kangoo Van Z.E. and Kangoo Van Maxi Z.E., this additional heating system is compatible with B30 biodiesel, and delivers very effective temperature control without compromising vehicle operating range, so you can drive for many tens of miles further in cold weather.

The associated fuel consumption and polluting emissions are very low and are not generated continuously.



# THE SERVICES

## FOR YOUR PEACE OF MIND.

Renault offers a comprehensive range of services to support your Z.E. vehicles. These simple, practical service packages will help you get the very best from your electric vehicle before, during and after every trip.



### CONNECTIVITY

FOR MORE INTELLIGENT MOTORING

Renault will be offering a choice of connected services from your smartphone or PC. These services will allow you to:

- Check your battery charge level remotely. This will help you to manage the range of your vehicle and view an historical log of distances covered per charge.
- Receive battery charge level alerts.

Intelligent, connected navigation direct from your vehicle (available with Fluence Z.E. from launch, and with Kangoo Van Z.E. from 2012 onwards), this service could allow you to:

- Locate the nearest battery charging points.
- View all available battery recharging points.

You'll also be able to access Carminat TomTom® Live navigation services:

Traffic information in HD, mobile radar check alerts, Google local searches and weather forecasts.



### ROADSIDE ASSISTANCE

YOU'RE NEVER ON YOUR OWN

If your vehicle runs out of energy, our 24/7 roadside assistance service guarantees to tow you to the nearest recharging point.



### MOBILITY

FOR LIMITLESS TRAVEL

A great alternative for longer journeys.

Renault plans to offer you effective mobility solutions regardless of your destination. Do you need to make a longer than usual journey?

- A short-term rental option for conventional vehicles at special rates. This service will be available as soon as the first Renault electrical vehicles are launched.
- You pay for this service only if and when you use it.



### MAINTENANCE

FOR WORRY-FREE MOTORING

The range of Renault Z.E. vehicles will come with the following warranties:

An electric vehicle warranty identical to the same offered with the equivalent conventional vehicle:

- 2-year unlimited mileage warranty or 3-year 100,000 mile warranty.

An electric drivetrain warranty:

- Up to 5 years or 100,000 miles (3-year unlimited mileage for Twizy).

Maintenance contract packages:

- Renault will be offering maintenance contracts tailored to your vehicle operating patterns and the battery leasing package you opt for.

# THE COST COMPARISON

## YOU HAVE EVERYTHING TO GAIN.

RENAULT ELECTRIC VEHICLES WILL BE OFFERED AT MARKET-COMPETITIVE PRICES.

Taking advantage of tax incentives means that the overall cost of electric vehicles is close to that of their conventional equivalents.

Prior to deduction of national tax incentives, list prices are as follows:

- Kangoo Van Z.E. £16,990 excl. VAT.
- Kangoo Van Maxi Z.E. 2-seater £17,990 excl. VAT.
- Kangoo Van Maxi Z.E. 5-seater £18,690 excl. VAT.
- Fluence Z.E. Prime Time £17,850 OTR after government incentive.
- Twizy from £6,690 OTR.

Battery leasing costs are equally attractive:

- £59 excluding VAT per month for Kangoo Van Z.E. and Kangoo Van Maxi Z.E. up to 9,000 miles per year (4-year renewable agreement).
- £69 including VAT per month for Fluence Z.E. up to 9,000 miles per year (3-year renewable agreement).
- £40 including VAT per month for Twizy up to 4,500 miles per year (3-year renewable agreement).

The operating costs of an electric vehicle are lower than those of a conventional vehicle: depending on the vehicle usage pattern, the cost per 100 miles of fuel can be much higher than the cost of electrical power, combined with the relevant proportion of the battery leasing cost.

The Fleet tab of the [www.renault-ze.com](http://www.renault-ze.com) website contains a budget calculator to estimate the potential cost savings of switching part of your van fleet from traditional power to electric power.

Maintenance costs are also lower than those for the equivalent conventional vehicles.

For example, Kangoo Van Z.E. costs less to run on average than a diesel Kangoo in terms of maintenance and service parts. With no oil changes and no belt changes, an electric motor is easier to maintain than a conventional internal combustion engine.



KANGOO VAN DIESEL  
AROUND £11 PER 100 MILES\*



KANGOO VAN Z.E.  
AROUND £1.92 PER 100 MILES\*  
+ BATTERY LEASING COSTS

\* These price illustrations are based on electricity charged at £0.08 per kWh (NEDC consumption) and diesel fuel charged at £1.389 (NEDC consumption). These figures are not contractual, and may vary, depending on the prices charged for fuel and electricity.

## SPECIAL SERVICES FOR FLEET MANAGERS

For Fluence Z.E. and Kangoo Van Z.E., Fleet Asset Management will be offered automatic daily updates for each vehicle (mileage covered, power consumption and battery charge status) for optimum fleet management with no need for user involvement.



### EASY TO USE

2 charging methods

•  
3 to 8 hours

3½ to 8 hours using a Standard charging point.

30 minutes using a Fast charging point.



### WHY RENAULT?

**WE'RE DRIVEN BY A PASSION TO MEET AND EXCEED PEOPLE'S NEEDS, AND THAT'S WHAT DRIVES THE INDUSTRY FORWARD. IT'S BEEN THAT WAY WITH US FOR OVER A HUNDRED YEARS. BUT IN TODAY'S RAPIDLY-CHANGING ENVIRONMENT, IT'S MORE IMPORTANT THAN EVER THAT WE SOURCE NEW SOLUTIONS THAT WILL SAFEGUARD ALL OUR FUTURES.**

We know that the car is at a turning point, it has to evolve whether you believe in global warming or not; to emit less in cities, to make less noise and to use increasingly scarce energy more efficiently.

At Renault we are working to create more affordable cars, with radically lower CO<sub>2</sub> emissions. For the widest possible audience. Today that's our collection of 'eco<sup>2</sup>' models. eco<sup>2</sup> indicates that the vehicle produces CO<sub>2</sub> emissions lower than 140 g/km, it includes at least 5% recycled plastic in its plastic mass, and has been designed in such a way that 95% of the materials used could have a second life (recyclable for other use or as a source of energy). In addition, eco<sup>2</sup> means that our factories are ISO 14001 certified.

Starting this year there will be a groundbreaking range of electric vehicles, from a nippy town car to a comfortable family saloon and a small van. They will be affordable to run – you will be able to drive up to 100 miles using a battery that costs typically £3 to charge, and a lot less using cheaper tariffs. And parking and congestion charges should all be lower too.

We believe it's time to make the car a driver of progress once more. We are determined to drive that change. Soon you will be able to join us.

### DRIVE THE CHANGE



### ZERO EMISSIONS

0 g of CO<sub>2</sub> per mile <sup>(1)</sup>.

•  
0 polluting emissions (NOX, CHX, PM10).

<sup>(1)</sup> In use, excluding service parts.

## ALL THE BENEFITS OF ELECTRIC WITH RENAULT Z.E.

For more information visit [www.renault-ze.com](http://www.renault-ze.com)



### ECONOMICAL

Lower operating costs than conventional vehicles <sup>(2)</sup>.

•  
Purchase price similar to equivalent diesel vehicle <sup>(3)</sup>.

<sup>(2)</sup> Depending on vehicle operating patterns.  
<sup>(3)</sup> After deduction of government financial incentives.



### ODOURLESS



### SILENT





# RENAULT ELECTRIC VEHICLES



(Enter Renault's world at Sky Guide 883 and [www.renault.tv](http://www.renault.tv))



RENAULT recommends



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