



CITROËN C-ZERO, a 100% electric solution

Citroën is broadening its compact vehicle range with a 100% electric solution. The new city car was designed to make urban mobility easier, with its compact dimensions, rapid charge, and sufficient range for day-to-day car journeys. And all this in a silence that makes occupants forget about the noise of the city. The C-ZERO is a real concentrate of technology and creativity that meets tomorrow's challenges today.

Set for launch in last-quarter 2010, the C-ZERO, developed in collaboration with Mitsubishi Motors Corporation, is the brand's second electric vehicle alongside Berlingo First Electric, developed with Venturi.

A 100% ELECTRIC VEHICLE

The Citroën C-ZERO is a full-electric vehicle powered by a permanent magnet synchronous motor delivering 47 kW or 64 bhp EEC from 3,000 to 6,000 rpm. Maximum torque of 180 Nm is available from 0 to 2,000 rpm. Power is transmitted to the rear axle via a single-speed reduction gear.

The motor is powered by a latest-generation 330-volt lithium-ion battery system comprising 88 50-Ah cells (for onboard energy of 16 kWh) mounted in the centre of the vehicle.

Lithium-ion technology offers the same performance as conventional batteries at a much lighter weight. It is also resistant to partial charges, which have no incidence on battery longevity.

EASY TO CHARGE, EASY TO USE

Recharging the C-ZERO's batteries is child's play. Owners simply plug the supply cord into a 220-volt socket. A complete charge lasts six hours, while an 80% charge is possible in just 30 minutes using an external station with a single-phase current of 125 A at 400 V, for power of up to 50 kWh.

Using the car is equally simple. When the driver turns the ignition key a beep confirms that the car is running. Citroën C-ZERO drives like a regular car with an automatic gearbox.

The traditional fuel gauge is replaced by a battery charge indicator.

A CITY CAR AT EASE ON THE OPEN ROAD

The C-ZERO's compact exterior dimensions – at just 3.48 m long – and 9-m turning circle make it a nimble performer in the city. And with a top speed of 130 kph and acceleration from 0 to 100 km/h in 15 seconds and 60 to 90 km/h in six seconds, along with a range of around 130 km over a standard combined cycle, it is also fully at ease out on the open road.

PERFORMANCE AND FEATURES FOR TODAY'S NEEDS

The Citroën C-ZERO is perfectly adapted to the needs of all kinds of public and private enterprise – government, local authorities and company fleets – and also to those of private customers looking for a vehicle with exceptionally low running costs.

With four real seats (thanks to a 2.55-m wheelbase) and a 166-litre boot, the C-ZERO is impressively quiet to drive and boasts a plethora of comfort and safety equipment. Original-fit features include power steering, ABS, TCS, ESP, power windows, six airbags, air conditioning and an autonomous telematics box for the emergency call system.



AN OFFERING CONSISTENT WITH CITROËN POLICY

Long committed to a policy of reducing fuel consumption and greenhouse gas emissions, Citroën, a leading environmental carmaker, is adding the C-ZERO to a range that already features a wealth of environmentally-respectful products.

Current Citroën achievements:

- C3 and DS3 models emitting just 99 g/km of CO₂ will be available from launch
- More than 30% of Citroën vehicles sold emit less than 120 g/km of CO₂

Upcoming technologies:

- Widespread application of second-generation Stop & Start system in 2010
- Launch of a full-hybrid vehicle, the DS5, in 2011