

THE NEW CHEVROLET  
**VOLT**



**CHEVROLET**  
**MAKE IT HAPPEN**





**THE NEW CHEVROLET VOLT.  
ELECTRICAL DRIVING WITHOUT  
COMPROMISE. BECAUSE LIFE  
IS FULL OF OPPORTUNITIES.**

The new Chevrolet Volt belongs to a new category of car: the Extended-Range Electric Vehicle, or E-REV. Unlike the first hybrids, it's powered by electricity 100% of the time. But unlike other electric cars, the Chevrolet Volt has a combined total range of over 300 miles. Say goodbye to choosing between efficiency and practicality. And hello to the only car you'll need – or want – to own.

*"I think it was important not just to develop an electric car, but an electric car that overcame past constraints or limitations."*

**ANDREW FARAH,  
VEHICLE CHIEF ENGINEER**



## ***SO ADVANCED, IT'S SIMPLE***

Designed to fit around your life, the Volt will never leave you stranded. It will do up to 50 miles on battery power alone, so if you drive less than that each day and recharge every night, you might never need petrol. Need to drive further? The petrol-fuelled onboard generator extends the vehicle's total range to over 300 miles.



*“Even if you never use the Volt’s unique range-extending capability, you know you’ve got a back-up plan.”*

**PAMELA FLETCHER,  
CHIEF ENGINEER, ELECTRIC  
AND HYBRID POWERTRAINS**



## PERFORMANCE WITHOUT COMPROMISE



Don't be fooled by the smooth, quiet electric ride. The Volt does 0-62 mph in 9.0 seconds, with a top speed of 99 mph. Choose from four driving modes: NORMAL for everyday efficiency, SPORT for a more responsive throttle, MOUNTAIN for steep climbs and, designed specifically for Europe, HOLD mode to conserve the full energy stored in the battery pack for use when needed, such as in emission free zones.

*"The idea behind the Volt is to have this full electric driving experience, but if you've got to go further than a single charge, the back-up generator provides electricity so you can continue your drive."*

**ANDREW FARAH,  
VEHICLE CHIEF ENGINEER**





## **THE TECHNOLOGY BEHIND THE VOLT**

The Volt's battery takes up to 4 hours to charge using a professionally home-installed 230V charging station<sup>1</sup>, or approximately 6 hours using the standard portable charger<sup>2</sup> in an ordinary household outlet. Then it's good to go for up to 50 miles. With its own specialised heating and cooling system, the 16 kWh Lithium-ion battery is backed by an 8-year/100,000 miles warranty.

Once battery power starts running low, the fuel-efficient petrol generator kicks in, producing the electricity to keep you going for a total range of over 300 miles. If you can't recharge, just fill up with petrol again.

*"When I saw the public's reaction to the Volt, all of a sudden I understood the magnitude of what we had done."*

**BOB BONIFACE,  
DIRECTOR OF DESIGN**

<sup>1</sup> For extra-cost optional home-charger installation, please contact your dealer. Your dealer will arrange for the charger to be installed by a qualified electrical supplier. <sup>2</sup> Before charging with more than 6 amps with the charge cord set, ensure that the capacity of the electrical circuit and socket that you intend to use has been inspected and released accordingly by qualified electrician.



# THE VOLT'S CATEGORY-CHALLENGING TECHNOLOGY



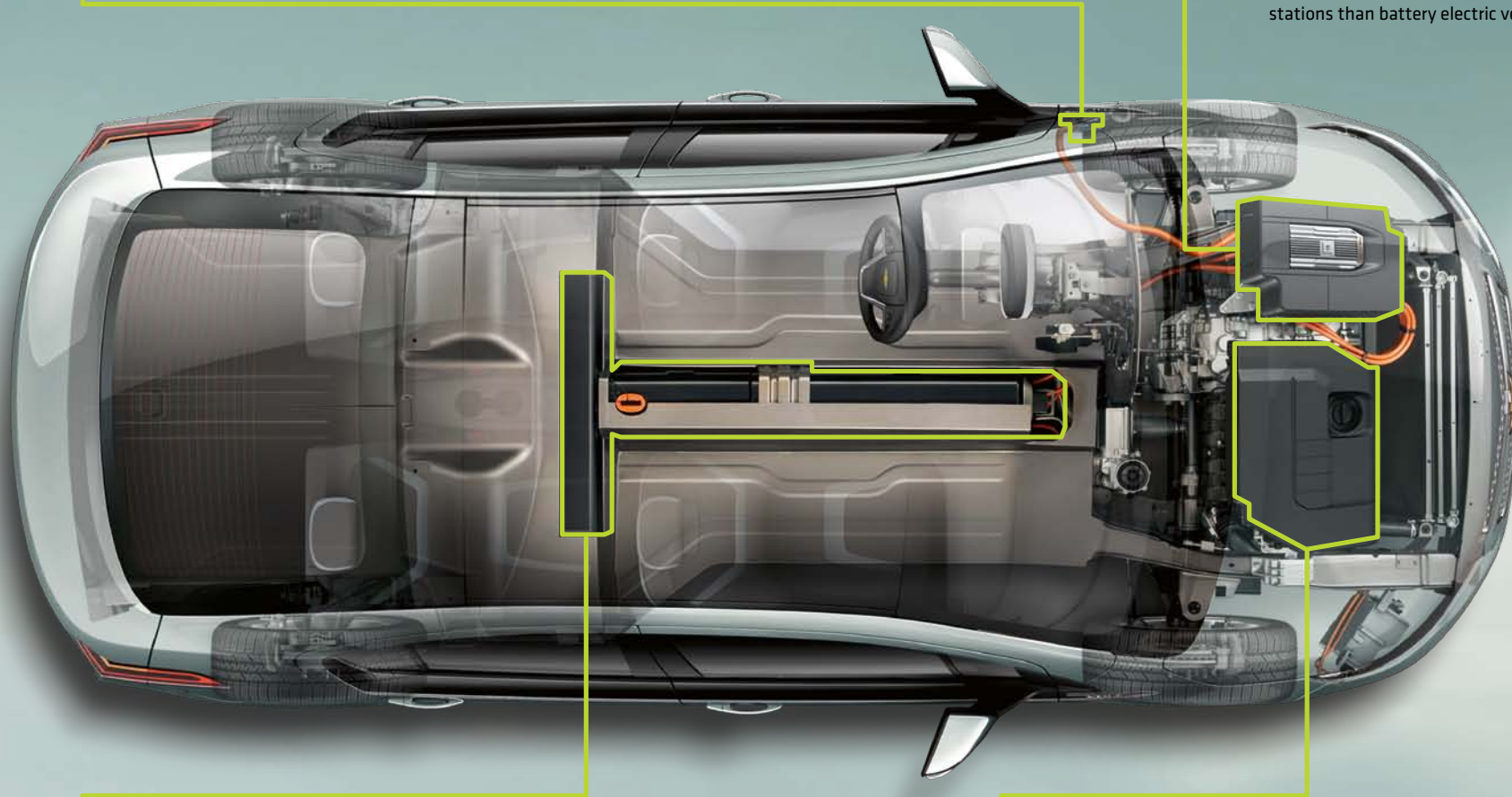
## Charge point

The Volt can be charged from a standard household outlet using the standard portable charger<sup>2</sup> in approximately 6 hours, or from a professionally home-installed 230V charging station<sup>1</sup> which will reduce the charge time to about 4 hours.



## Electric Drive Unit

The wheels of the Volt are continuously propelled by the electric drive unit, even when the generator is running. This makes it a significant step forward from earlier hybrids and less reliant on charge stations than battery electric vehicles.



## Lithium-ion battery

Storing up to 50% more energy than a standard hybrid vehicles battery, the 16 kWh battery pack combines 288 battery cells and can be charged from a standard household output.



## Generator

When the battery runs low, the petrol-powered generator sustains the battery charge until it can be recharged, extending the vehicle's total range beyond 300 miles.

<sup>1</sup> For extra-cost optional home-charger installation, please contact your dealer. Your dealer will arrange for the charger to be installed by a qualified electrical supplier.

<sup>2</sup> Before charging with more than 6 amps with the charge cord set, ensure that the capacity of the electrical circuit and socket that you intend to use has been inspected and released accordingly by qualified electrician.



## **STYLE AND INNOVATION, INSIDE AND OUT**

With its aerodynamic, Corvette-inspired design, the Volt is not afraid to turn heads. Its luxuriously comfortable interior features sporty bucket seats for four and thoughtful, spacious storage. Innovation is everywhere, from the touch screen display to the infotainment system with USB port for your media devices. And from the start of your journey to the finish, you'll receive constant driving efficiency feedback to help you get the most from your Volt.





*"People wanted something that didn't burn gas, looked good, was sporty, fast, smooth and modern. All those things at once."*

**BOB BONIFACE,  
DIRECTOR OF DESIGN**



## THOUGHTFUL PROTECTION

Safety features such as StabiliTrak Electronic Stability Control System with Traction Control and 4-wheel antilock disc brakes, high-strength steel cabin reinforcements and 8 airbags as standard, offer the protection you'd expect in a car of its class. Then the Volt raises the bar again, with thoughtful additions like an alert to help pedestrians who might not hear the car approaching at low speeds.



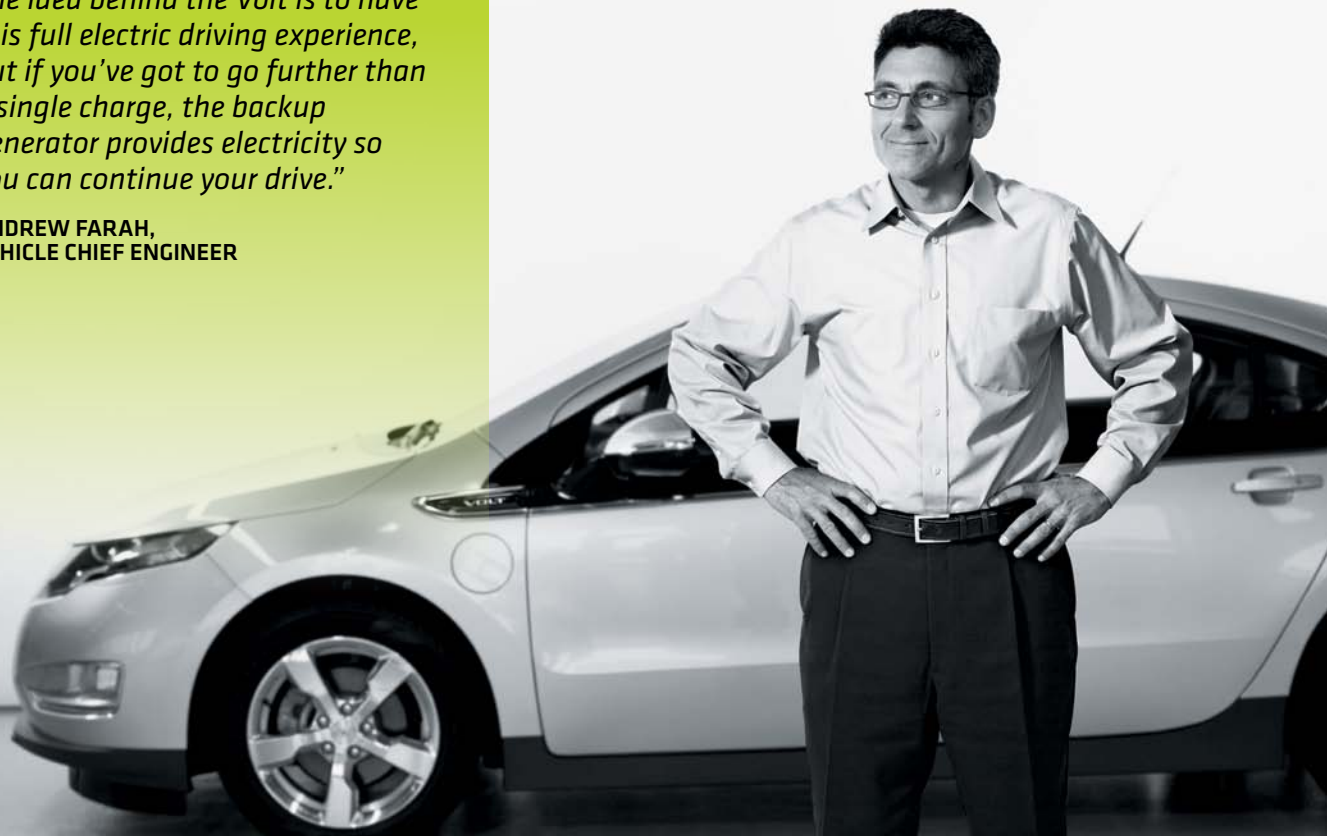
*"The Volt didn't just need the best existing safety technologies, it demanded some entirely new ones."*

**TONY POSAWATZ,  
VEHICLE LINE DIRECTOR,  
CHEVROLET VOLT**



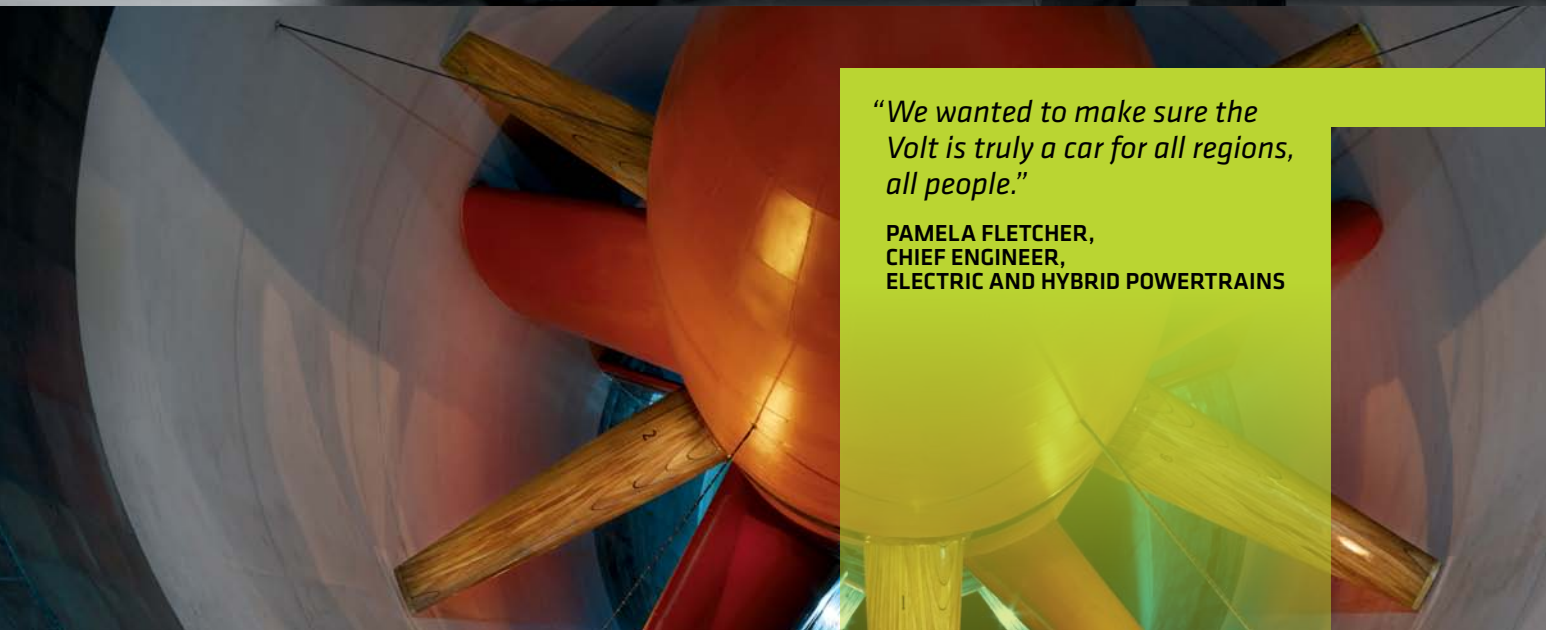
*"The idea behind the Volt is to have this full electric driving experience, but if you've got to go further than a single charge, the backup generator provides electricity so you can continue your drive."*

**ANDREW FARAH,  
VEHICLE CHIEF ENGINEER**



*"We wanted to make sure the Volt is truly a car for all regions, all people."*

**PAMELA FLETCHER,  
CHIEF ENGINEER,  
ELECTRIC AND HYBRID POWERTRAINS**





## EXTERIOR COLOURS



Viridian Joule  
(premium)



Summit White

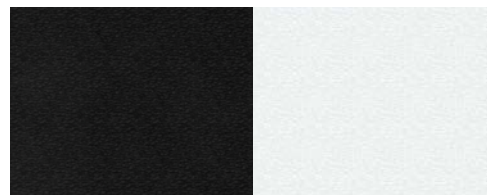


Black



Silver Ice  
(metallic)

## INTERIOR TRIM



Jet Black seats/Ceramic white accents

## WHEELS



Front and rear painted  
17" alloy wheel



Front and rear polished  
17" alloy wheel

## ACCESSORIES



Door sill plates (front)



Rear seat storage



Stowage bag

Accessories shown do not come standard with the vehicle but can be purchased at your local Chevrolet dealer. A full and updated accessories list can be found at [www.chevrolet.co.uk](http://www.chevrolet.co.uk)





## TECHNICAL SPECIFICATIONS

### VOLTEC ELECTRIC PROPULSION SYSTEM

Type	Electric drive unit
Output (kW/hp)	111/150
Max. torque (Nm)	370

### BATTERY SYSTEM

Type	Rechargeable energy storage system
Case	T-shaped; glass-filled polyester structural composite with aluminium thermal radiation shield and steel tray
Mass (kg)	198
Battery chemistry	Lithium-ion
Thermal system	Liquid active thermal control (warming or cooling)
Cells	288 prismatic
Energy (installed capacity – kWh)	16

### CHARGING TIME

Home-installed charger (230V/16A – hrs)	Approx. 4 hrs (actual times may vary)
Portable charger (230V/10A household socket – hrs)	Approx. 6 hrs (actual times may vary)

### RANGE-EXTENDER ENGINE

#### 1,4 ECOTEC

Emissions standard compliance	Euro 5
Fuel	Gasoline
Number of cylinders/valves per cylinder	4/4
Displacement (cm <sup>3</sup> )	1.398
Bore x stroke (mm)	73,4 x 82,6
Block material	Cast iron
Cylinder head material	Cast aluminium
Compression ratio	10,5:1
Output	63 kW/86 hp @ 4800 RPM
Maximum torque	130 Nm @ 4250 RPM

### TRANSMISSIONS

Driveline	Front-wheel-drive, automatic transmission drive unit with planetary gear set, electric motor, electric motor/generator
-----------	--

### DRIVE PERFORMANCE AND RANGE

Maximum speed (mph – electronically limited)	99
Acceleration 0-62 mph (seconds)	Approx. 9.0
Typical electric range (miles) <i>Urban/extra-urban driving; average/moderate European climate</i>	25-50
Total range (miles) <i>Electric range + extended, on fully charged battery and full tank of fuel</i>	Over 300

### ENERGY CONSUMPTION

Electricity consumption (Electric driving in NEDC)*	16,9 kWh/100 km
Fuel consumption (combined and weighted)*	235 mpg
CO <sub>2</sub> emission (combined and weighted)*	27 g/km

\* According to UN ECE R101

### CHASSIS/SUSPENSION

Front	Independent McPherson strut-type with side-loaded strut modules, specially tuned coil springs, direct-acting hollow stabiliser bar; hydraulic ride bushings
Rear	Specially adapted compound crank (torsion beam) with double-walled, U-shaped profile at the rear; specifically tuned coil springs, hydraulic bushings
Chassis Control	Four-channel ABS; all-speed traction control; StabiliTrak electronic stability control; drag control
Steering type:	Rack-mounted electric power steering with ZF steering gear
Steering wheel turns, lock-to-lock:	2,8
Turning circle, curb-to-curb (m)	11
Steering ratio:	15,36

\* Official government Environmental Data. Please note that the figures quoted for fuel consumption and CO<sub>2</sub> emissions have been obtained under simulated test conditions in accordance with the relevant EU Directive, to give prospective purchasers data for the purpose of comparing different models. They do not constitute a warranty as to the figures obtainable by drivers in real life, which will depend upon driving style, load, tyre pressures, road conditions and traffic.

## TECHNICAL SPECIFICATIONS

### BRAKES

Type	Power four-wheel vented disc with ABS; electro-hydraulic; fully regenerative to maximise energy capture; dynamic rear brake proportioning
Brake rotor diameter front (mm)	300; vented, single 60 mm front/rear piston w/ steel body calliper
Brake rotor diameter rear (mm)	292; vented; single 38 mm piston w/ steel body calliper

### WHEELS AND TYRES

Wheel size and type	17 x 7 inch, 38 mm offset lightweight, forged, painted aluminium alloy (opt: polished)
Tyres	P215/55R/17 Low rolling resistance

### VEHICLE DIMENSIONS

Length (mm)	4.498
Width (mm - mirrors/body)	2.126/1.787
Height (mm - at curb weight)	1.439
Wheelbase (mm)	2.685
Track, front (mm)	1.546
Track, rear (mm)	1.573

### INTERIOR DIMENSIONS

Seating capacity (mm - front/rear)	2/2
Headroom (mm - front/rear)	960/915
Shoulder room (mm - front/rear)	1.435/1.369
Hip room (mm - front/rear)	1.346/1.301
Leg room (mm - front/rear)	1.068/866
Cargo volume (litres - rear seatbacks up/down)	310/1.005
Cargo volume, behind second row, to top of seats (l)	310
Cargo volume, behind second row, to headliner (l)	385
Cargo volume, behind first row, to headliner (l)	1.005

### CAPACITIES

Curb weight (kg)	1.732
Gross vehicle weight (kg)	2.000
Generator cooling (l)	7,3
Battery pack cooling (l)	7,0
Power electronic cooling (l)	2,9
Fuel tank (l)	35,3
Engine oil w/filter (l)	3,5
Drive unit fluid (l)	8,45



## BECAUSE LIFE IS FULL OF OPPORTUNITIES

---

Whether you're an individual driver or a large family, driving anywhere from the city streets to the open road, every model in the Chevrolet range delivers on our promise of quality and satisfaction – and always at an affordable price. We're already shaping the future by enhancing our cars to offer new fuel alternatives, added versatility and an even greater driving experience. To date, more than 1 million drivers across Europe have made the Chevrolet legend their own. With our network of 2,500 service stations, we look forward to welcoming you and your family to ours. For a century, the name Chevrolet has stood for great cars built to meet the demands of real life: cars which offer expressive style, but also more practical features, with proven reliability to help you make the most of every day. Because life is full of opportunities with Chevrolet, all you need is to make it happen.

## CHEVROLET OWNER PRIVILEGES

---

Every Chevrolet comes with a comprehensive warranty and commitment from us to you:

- ▷ 3 years or 60,000 miles comprehensive warranty FREE
- ▷ 6 year anti-perforation corrosion warranty with no mileage restrictions FREE
- ▷ Volt battery and Voltec components are covered for 100,000 miles/8 years



SPARK



AVEO



CRUZE



ORLANDO



CAPTIVA



CAMARO



CORVETTE



VOLT

Chevrolet Volt – a combined average fuel consumption of 235 MPG. CO<sub>2</sub> emissions of 27 g/km. For more information, visit [www.chevrolet.co.uk](http://www.chevrolet.co.uk). Images are illustrative and correct at time of printing: 11/2012.

## EXTENDED VEHICLE WARRANTY

---

**EXTENDED WARRANTY:** For complete peace of mind Chevrolet offers an extended warranty that can be purchased on an annual basis following the expiry of the original new car warranty. It covers most mechanical and electrical components. Terms and conditions apply. For further details please contact your local Chevrolet dealer.

**IMPORTANT NOTICE:** The information contained in this brochure was accurate at the time of going to press. Chevrolet UK is constantly seeking ways to improve the specification, design and production of its vehicles and accessories, and alterations take place continually. Whilst every effort is made to produce up to date literature, this UK market brochure should not be regarded as an infallible guide to current specifications, nor does it constitute an offer for sale of any particular vehicle and accessories. Illustrated optional equipment is available at extra charge. Availability, technical features and equipment provided on our vehicles can vary from one market to another and may change without prior notice. Owing to the print limitations of reproducing paint colours on paper, the colours shown here can only be taken as a general guide to the range of colours available. Information on recycling design, recycling End of Life Vehicles (ELV) and the return locations of ELVs can be found on the website [www.chevrolet.co.uk](http://www.chevrolet.co.uk) © 2012 Chevrolet UK. All rights reserved. This material shall not be reprinted, in whole or in part, without the express written permission of Chevrolet UK.

[www.chevrolet.co.uk](http://www.chevrolet.co.uk)