

Born to be wired.

>> smart fortwo and forfour electric drive.



smart



» New energy
for the city.



The smart has always been more than an ultra-compact car with a small turning circle – it also embodies the aspiration to improve life in the city with courage, ideas and innovations. And this has never been more thoroughly thought-through than in the case of the new smart ED fortwo and forfour.

Join us as we discover a new, better and more intelligent form of urban mobility: **welcome to the electric world of smart.**

A night-time photograph of two black Smart cars on a city street. The car in the foreground is a Smart car with license plate BB XY 504E, facing slightly towards the left. The car in the background is a Smart car with license plate BB XY 266E, facing towards the right. The background features a modern building with large glass windows reflecting city lights, and some trees. Light trails from other vehicles are visible on the street.

» Uncompromisingly electric.

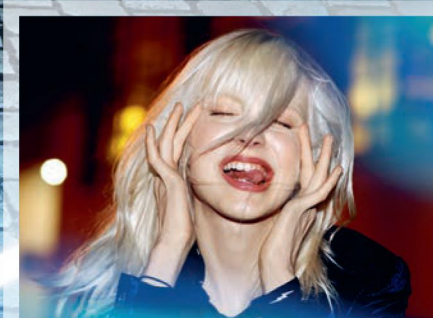
No half measures: smart is the only manufacturer worldwide to offer its entire model range with petrol engines as well as in all-electric battery-powered versions: fortwo, forfour and fortwo cabrio. With all the advantages that make a smart unique, with state-of-the-art connected-car technologies and full access to our innovative, digital services – and of course with the exceptional driving enjoyment that only an electric car can offer.



Conceived as an electric car right from the start. The first generation of the smart, back in 1998, was a revolution – and designed even then with an electric drive system in mind. In 2007, London was the setting for the handover of 100 all-electric smart vehicles, the first of many thousands that have been meeting the challenges of everyday urban life in major cities around the world ever since.




» E for exceptional:
the cabrio.





All electric cars are virtually silent. And where better to appreciate that fact than in a convertible? While enjoying the drive with the top down, all you will hear from the motor is a quiet hum. This really makes the experience special. It is therefore all the more surprising that the global market for electric-powered convertibles is restricted to this one model: at 2.69 m in length, the smart ED fortwo cabrio is the only all-electric convertible. So if you want a convertible without a combustion engine, look no further. You will have made a smart choice.

» When acceleration becomes exhilaration.



The smart models with combustion engine have long demonstrated that fun at the wheel has nothing to do with displacement. After all, agility and manoeuvrability are far more important in town than a big engine. And just how much fun can be had driving a smart without any engine displacement at all is something that you really should discover for yourself. With full torque on tap from the very first turn of the motor, seamless acceleration and electric power steering, the electric cars from smart are exceptionally agile – and virtually silent as well. Driving through town has probably never been quite so much fun as this.



 **Extra energy:** whereas combustion engines deliver good performance within a certain speed range, an electric motor operates at a constant level of efficiency, while also generating a significantly higher engine speed. Its energy can therefore be transmitted directly, dispensing with the need for a manual transmission and making speed regulation continuously variable – and always with the full 160 Nm of torque.



»» Small circles. Big range.

Small turning circle, wide range of operation: the new smart ED fortwo and forfour are made for life in the city, in every respect. A range of up to 160 kilometres (fortwo) makes the new models ideally suited to the urban environment and is sufficient for those daily trips across town, without having to worry about the battery. So you can comfortably drive into town, through town, to work, to visit friends, to go shopping – and back. And as you do so, take advantage of an astonishingly small turning circle: thanks to its compact exterior dimensions, electric power steering and a wider turning angle than you find with front-engined cars, a smart can almost turn on the spot.



Nothing wasted: recuperation is the term given to the process of regenerating energy during coasting and braking. Radar-based recuperation¹ at smart, however, goes a step further: a radar sensor monitors the traffic in front of the vehicle and automatically selects the recuperation level that makes best use of the vehicle's kinetic energy.

¹Not available for standard-specification models.



>> Three timely questions.

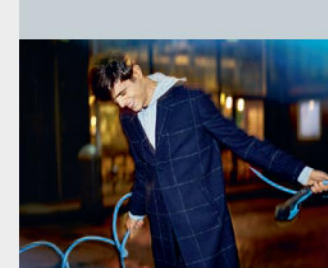


The things everyone asks before they buy an electric car.

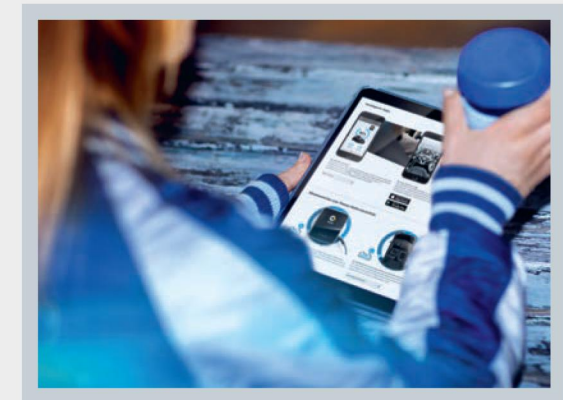
We are convinced that the future of urban mobility is electric. And if you're ready to make the changeover now, you're bound to have a few questions. We've answered the most important ones here.



Is the range sufficient? A range of up to 160 kilometres in the city ought to be more than enough. Just to reassure yourself, you can use the range simulator in our smart experience app to run quickly through your daily trips and identify all the charging stations local to you.



How long does charging take? It depends how and where you do the charging. With the 4.6 kW on-board charger, charging takes under 3.5 hours at a wallbox¹ and under 6 hours at a standard power socket^{1,2} (varies from country to country).



Where can I charge my car?

Option 1: wallbox.



With 4.6 kW on-board charger: < 3.5 hours¹

Powerful and weatherproof: the wallbox is your own private charging station. Installation requires little more than a private parking space such as a carport, garage or company car park, plus a nearby power source. At [smart.com](https://www.smart.com) you can check whether your parking space meets the requirements.

Option 2: public charging stations.



With 4.6 kW on-board charger: < 3.5 hours¹

Almost all charging stations support the Type 2 connector (EU standard) used by all electric models of smart. To find your nearest charging station, refer to the smart ED control app or go to plugsurfing.com.

Option 3: power socket.



With 4.6 kW on-board charger: < 6 hours^{1,2} (varies from country to country)

No charging station or wallbox nearby? A mode 2 charging cable allows you to plug your electric smart into most conventional domestic sockets.

The photograph in the centre of this page shows the Wallbox Home. Expected to be available from the end of 2018. ¹The stated times refer to charging from 10 to 80 percent. ²The stated time refers to charging with a mode 2 charging cable and the 4.6 kW on-board charger. ³Only in conjunction with digital radio.

The background image shows the interior of a car at night. The car has black leather seats with white stitching. The dashboard and center console are black with blue accents. A smartphone is mounted on the dashboard. The car is parked on a city street at night, with buildings and streetlights visible through the windows.

» Trendsetting in its design, too.

The interior not only looks good but also feels great to the touch, thanks to the high quality of the materials used. The fresh design, with recurring elements such as the dynamic loop or the honeycomb pattern, is a smart hallmark. And all the more special for that. Generously proportioned fabric-upholstered surfaces create an atmosphere to make you feel at home – and offer something a bit different to the staid monotony of many other cars. A great way to show that functionality can look good. A highlight, time and time again, for anyone taking a seat in a smart fortwo for the first time is just how surprisingly big and spacious a car with such compact exterior dimensions can be.





The look and feel of the materials are there to enjoy at every point in the journey. Many surfaces are generously covered with fabric and boast colour combinations that range from stylish to extra-vagant: the various equipment lines each have an individual character of their own.

- 1 The dashboard instrument** shows the charge level of the battery and the available power, as well as whether the vehicle is using or recuperating energy.
- 2 The instrument cluster** provides information about available range and the car's ECO score: this is a display that helps you to maintain a consistent and therefore efficient driving style. With the passion, perfect and prime equipment lines the instrument cluster takes the form of a colour 8.9 cm (3.5-inch) TFT display that also provides an array of other information: for example how much energy you are currently using or recuperating, or what settings you have chosen for the pre-entry climate control system.
- 3 Forward, reverse, park, neutral:** a smart ED fortwo or forfour is extremely easy to drive – one gear is all you need, whatever your speed. The ECO button activates ECO Mode and with it a range of energy-saving functions: maximum recuperation, reduced cooling/heating output, a reduced top speed and a flatter accelerator curve – all in the interest of extending the vehicle's range.



- 4 The consumption details relating to energy flow** show you at one-minute intervals how much energy you are consuming or, alternatively, how much you have regenerated through recuperation.



Fills up with more than just energy: a smart takes up little space – but offers plenty of it inside. Loading it is easy, too, thanks to the split tailgate of the smart fortwo, for example. Or thanks also to the innovative readyspace seats of the smart forfour, which allow you to make room for large items in no time at all. A fun way of finding out just how much space you have is provided by our pactris app.



» Active, passive, innovative.

The most intelligent way of ensuring safety is to not let accidents happen in the first place. This is why we have continually evolved the innovative smart safety concept. In addition to proven passive safety features such as the tridion safety cell, crash boxes or safety seats with integral seat belts, the new smart ED fortwo and forfour also incorporate innovative, active safety systems which are unusual for this category of vehicle. For example Active Brake Assist, which comes as standard¹: this radar-based safety system monitors the traffic ahead of you and, if necessary, will automatically trigger emergency braking at speeds of 30 km/h or over, before a collision with a vehicle ahead can happen. As a further boon to safety, all the electrical components of the vehicle are securely housed – the high-voltage battery, for example, is particularly well protected within the vehicle floor.



High-voltage battery (HV battery).

The positioning of the HV battery within a robust frame set into the vehicle floor gives the best possible protection against deformation in the event of a collision. The battery's low centre of gravity also noticeably improves handling. As well as the high-voltage supply for the electric drive system, there is a separate on-board electrical supply of the conventional type with a 12 V automotive battery. All connectors in the high-voltage system are touch-safe and are monitored by the system's own 12 V interlock circuit. This ensures that the occupants do not at any time come into contact with high voltage. And should it ever actually come to a crash, the high-voltage elements switch themselves off according to the severity of the accident.



tridion safety cell.

This key element of the innovative smart safety system is not only responsible for the typical smart two-colour look – it also assumes the main role in occupant protection. Just like a nut is protected by its hard shell, the tridion safety cell in 75% high-strength steel keeps its contents safe from harm. In conjunction with further components such as crash boxes and deformation elements, it ensures maximum safety in a minimum of space.



Active Brake Assist¹.

At speeds of 30 km/h or over, the standard-specification Active Brake Assist system emits a warning signal to alert the driver to the fact that its radar technology has identified the risk of collision with a vehicle on the road ahead. Should the driver fail to brake or initiate evasive manoeuvres despite the warning, gentle braking is initiated autonomously. If the driver responds by braking, they are assisted in the emergency braking. Active Brake Assist can thereby help to prevent accidents with vehicles ahead or mitigate the consequences of a potential accident.



Airbags.

With seven airbags as standard: as well as airbags for the driver and front passenger, all smart electric models come with a kneebag for the driver, two pelvis/thorax bags in the backrests of the driver's and front passenger seats and window airbags, which deploy over the windows on the side of the vehicle affected by an impact.

¹In conjunction with BRABUS Style only available with front fog lamps or LED & Sensor package.



Lane Keeping Assist.

Optional Lane Keeping Assist uses a camera to monitor the road ahead of you and gives an audible signal as well as a visual signal in the instrument cluster at speeds over 70 km/h to warn you if you leave your lane.



Crosswind Assist.

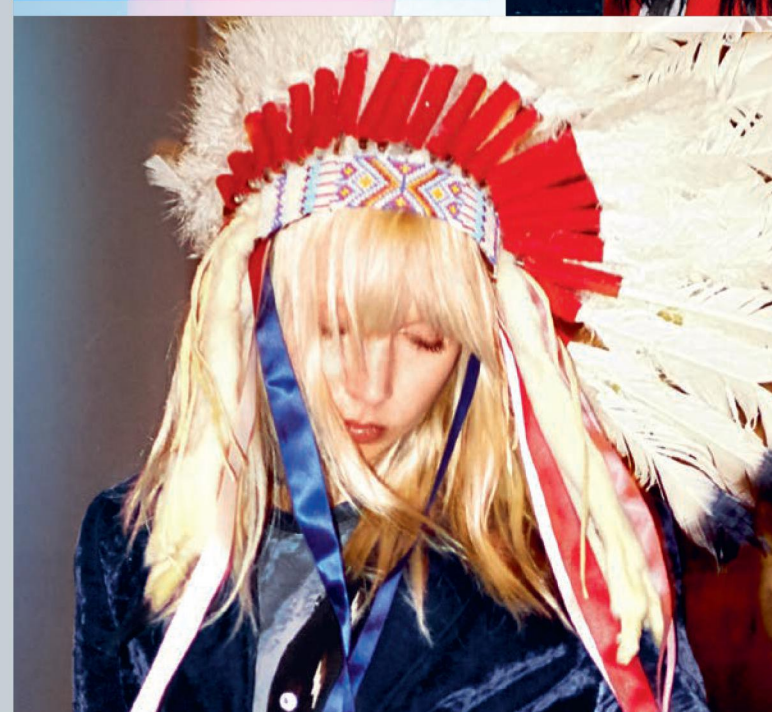
Particularly when driving out of town or on the motorway, sudden gusts of wind can affect the handling of the vehicle. Crosswind Assist, a standard feature, detects deviations from straight-line stability and specifically brakes individual wheels so that you do not have to countersteer as strongly.

»» Electric power is tasty, too.



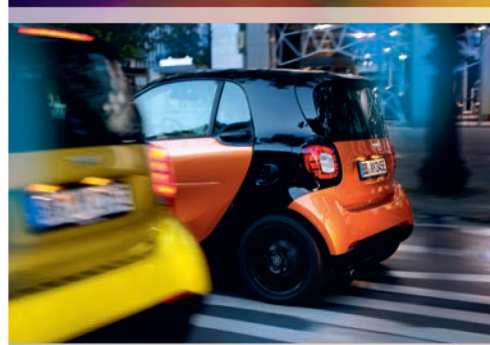
Your new electric smart – tailored to your needs.

The future looks good: only smart offers quite such a radical approach to the individualisation of your fully electric car even in the standard specification. With a range of different equipment packages and the full spectrum of smart colours and wheels on offer, it's time to bring some new momentum to the city, not just new energy .



» As colourful as life in the city.

There are just so many possibilities when it comes to designing the electric car of your dreams. With many electric vehicles the fun stops when it comes to the colour choice, but with the smart that's where it begins: after all, with a smart you always have the option of combining two colours. And there's certainly plenty of choice – which is why you rarely see two models the same. Typically smart: more versatile, more individual, more varied. Just like the smart's natural habitat.



>> Standard equipment

Standard yes, but never ordinary: even the standard version of the smart ED fortwo has plenty of extras on offer – such as the Cool & Audio package. Thanks to the air conditioning system you can keep a cool head even on warm days, while cool sound comes courtesy of the smart Audio-System, which features an AUX/USB connection and Bluetooth® interface including hands-free system. Other highlights include the centre console with drawer or the shift lever knob in leather.

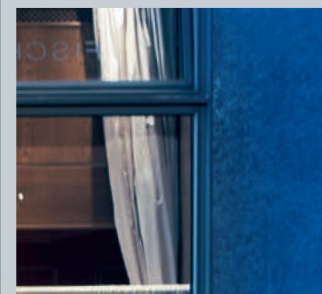
Comfort and safety assured. All electric smart models come with a comprehensive array of comfort-related and safety features:

- > Cool & Audio package
- > Active Brake Assist
- > Crosswind Assist
- > 5 airbags
- > Electric power steering
- > Charging cable incl. charging cable bag. Choice of charging cable for public charging stations and wallbox or for domestic power socket



Interior

- > 3-spoke steering wheel
- > Shift lever knob in leather (black)
- > Centre console with drawer and double cup holder at front, cup holder at rear
- > Electric windows
- > Interior lighting
- > Passenger seat with through-loading function



Exterior

- > tridion safety cell in black
- > bodypanels/body in solid colour black, white or red
- > H4 halogen headlamps with integrated LED daytime driving lights



Special features of the fortwo

- > Solid roof with fabric covering in black
- > Spectacles/sunglasses compartment for driver and passenger

Special features of the cabrio

- > Electric tritop fabric soft top in black, with heated glass rear window and roof liner in grey
- > Removable roof bars in the tridion colour
- > Stowage compartment for roof bars in tailgate

Special features of the forfour

- > Solid roof in the tridion colour
- > 85° rear doors
- > Twin electric windows with convenience control and obstruction sensor
- > Luggage compartment lighting



>> passion.

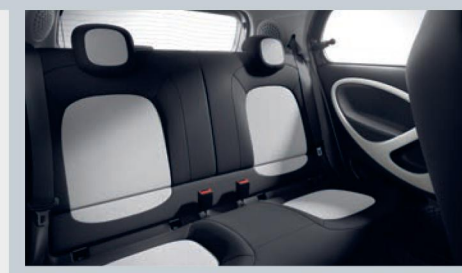
A confident, extravagant, modern style: the passion equipment line makes even this exceptional form of mobility a little bit more special.

- > There are three stunning colour variants for the interior, encompassing the dashboard, seats and door centre panels: high-contrast black/orange, classic black/white, elegant black/black
- > tridion safety cell in black
- > 38.1 cm (15-inch) 8-spoke alloy wheels, painted in silver



black/orange:

A high-contrast interior with seat surfaces, dashboard and door centre panels in orange fabric, outer seat cushion areas in black fabric, orange topstitching and accent trim parts in black/grey.



black/white:

Dashboard, door centre panels and outer seat cushion areas in black fabric, with seat surfaces, accent trim parts and topstitching in gleaming white.



black/black:

The tasteful interior comprising dashboard, door centre panels and seats in black fabric, visually refined by accent trim parts in black/grey.



>> perfect.

Sporty and elegant. The perfect equipment line stands out with plenty of style and a harmonious colour combination in black, brown and grey.

- > Seats with upholstery in leather look/fabric black/brown with brown topstitching
- > Dashboard and door centre panels in brown fabric, accent trim parts in black with a high-gloss finish, air vents in grey
- > Map pocket on driver and front passenger seatbacks (for four)
- > tridion safety cell in black
- > 38.1 cm (15-inch) 4-spoke alloy wheels painted in black and with a high-sheen finish



Multifunction steering wheel in leather and dashboard in brown fabric with accent trim parts in black and air vents in grey.



Seats with leather-look/fabric upholstery in the colour combination black/brown – the for four looks just as stylish in the rear as in the front.



>> prime.

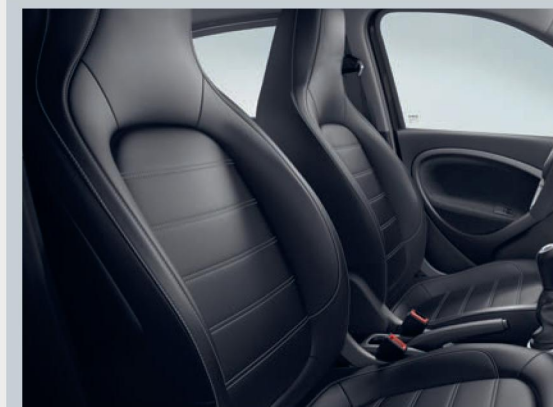
Stylish, timeless. High-quality appointments coupled with elegant colours and subtle contrasts – that's just one way of summing up the prime equipment line.

- > Seats with upholstery in black leather with grey topstitching
- > Heated seats for driver and front passenger
- > Dashboard and door centre panels in black fabric and accent trim parts in black/grey
- > Map pocket on driver and front passenger seatbacks
- > tridion safety cell in black
- > 38.1 cm (15-inch) 5-twin-spoke alloy wheels painted in black and featuring a high-sheen finish
- > Universal pre-installation for smart accessories on the backrests of the front seats¹



The pictures on this double page show options in some cases.

¹Only in conjunction with smart ED forfour.



Upholstery in black leather and topstitching in grey. In the case of the forfour in the back as well as in the front of the car.



Multifunction steering wheel in leather, dashboard and door centre panels in black fabric with accent trim parts in black/grey.



»» edition nightsky.

A special model that makes it clear just how dynamic this new form of driving can be: the smart ED fortwo, fortwo cabrio or forfour in the edition nightsky. The colour combination of black and pacific blue immediately catches the eye. Together with aerodynamic and styling elements from BRABUS, this adds up to deliver a car that boasts a special sporty look all of its own and is ahead of the mainstream and the zeitgeist in every detail – from its front spoiler to its rear diffuser. For the wheels in particular, everything revolves around design: the 40.6 cm (16-inch) BRABUS Monoblock VIII alloy wheels are painted in black and finished with a rim strip in blue. Another highlight – in the truest sense of the word – is the LED & Sensor package.

Interior.

The interior of the edition nightsky stands out with its distinctive accent trim parts in pacific blue. Various BRABUS details such as the selector lever with smart ED fortwo or forfour logo, the aluminium handbrake¹, the brushed stainless steel pedals and the door sills with BRABUS lettering give this edition a particularly high-quality appeal. The dashboard and door centre panels are elegantly upholstered in fabric. Adding a touch of practicality is the stowage space package, thanks to which you can put your belongings away quickly, safely and tidily in the glove compartment, stowage net or on the passenger seat. Talking of seats, you have a choice here between the black fabric seats of the passion equipment line and – as an option – the black leather seats with grey topstitching from the prime equipment line.

¹Not available for smart ED forfour.



»» Design the future.

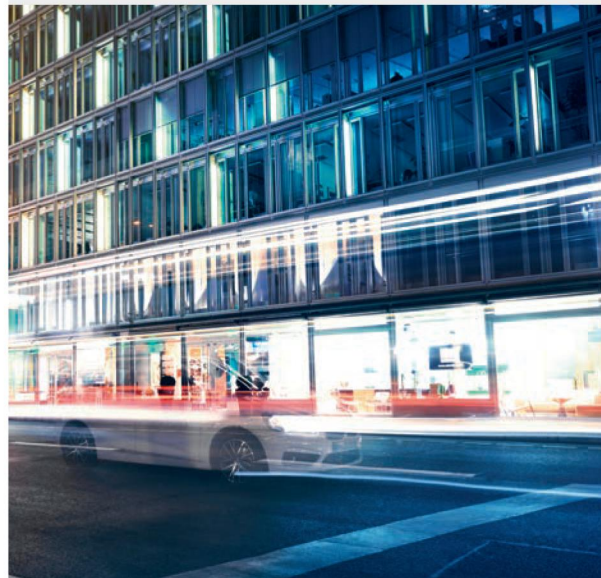
The simple way to configure your new electric smart.

Don't just start a trend — climb aboard and drive it across town. With the smart configurator, it's really easy to put together the electric model of your dreams: just a few clicks of the mouse are all it takes to look at and combine the various equipment packages and features, with immediate feedback on the feasibility of building your car, and its price.





»» Technical data.



	smart fortwo	smart fortwo cab	smart forfour
Engine	Separately excited three-phase synchronouse motor	Separately excited three-phase synchronouse motor	Separately excited three-phase synchronouse motor
Output in kW	60	60	60
Torque in Nm	160	160	160
Acceleration 0-60 km/h in s	4.9	5.1	5.5
Acceleration 0-100 km/h in s	11.5	11.8	12.7
Max speed km/h	130	130	130
Battery capacity in kWh	17.6	17.6	17.6
Battery type	Lithium-ion	Lithium-ion	Lithium-ion
Number of Battery cells	96	96	96
On board charger in kW	7	7	7
Charging time 0-80% in hours	2.5 h	2.5 h	2.5 h
Range in km	145-160	145-159	139-154
Electric consumption in kWh/100 km	13	13	13.1
CO2 emission combined in g/km	0	0	0
Efficiency class	A+	A+	A+
Vehicle length/width/height in mm	2695/1663/1555	2695/1663/1555	3495/1665/1554
Wheelbase mm	1873	1873	2494
Turning circle in m	6.95	6.95	9.05
Kerb weight in kg	1085	1115	1200