



>> Plug in. Peel out.

smart fortwo electric drive.



Perfect for everyday life – yet anything but ordinary – the smart fortwo electric drive is packed full of innovations. From battery and motor technology to charging options, safety, and financing, it offers you a whole host of intelligent solutions, down to the last detail.

>> Great for the city.

A car that makes city driving a pleasure. Small and nimble – yet surprisingly spacious. Enjoy the freedom to zip up and down narrow streets, and park virtually anywhere. The smart electric drive offers all the benefits that set the smart fortwo apart from the rest: a vehicle concept that is tailored to the needs of urban mobility.



>> Simply well connected.

Imagine communicating with your car even when you're sitting on your sofa at home. This may sound like the stuff of science fiction, but it's an everyday reality with the smart fortwo electric drive. Many functions can be easily managed from the smart vehicle home page. Whatever your plans are, the smart vehicle home page allows you to communicate with your car for even more independence and flexibility.



The smart vehicle home page:

Many different charging and comfort functions can be easily managed from the smart vehicle home page via your Android, iOS smartphone, tablet, or on your desktop with Google Chrome.^{TM1} Before taking off, check on the state-of-charge and range of the battery. You can also plan your departure and charging times, and activate the pre-entry climate control for the interior while the vehicle is charging.²

Functions:

- > Pre-entry climate control of the interior during the charging process
- > State-of-charge monitoring
- > Notification via email and Twitter upon completion of the charging process
- > Route planning that takes the current range into account
- > Range forecast

Climate control:

With the smart fortwo electric drive, the feel-good factor kicks in as soon as you get inside. The vehicle interior can be cooled to 75°F in the summertime and heated to 64°F in the winter.



¹Selection of devices (as of 04/2013) that enable the smart vehicle home page to be used – smartphones: Apple iPhone® (3G, 3GS, 4, 4S, 5), Samsung Galaxy (S III, Nexus), Sony Xperia S, Motorola Atrix; tablet PC: Apple iPad® (1, 2, 3, 4); desktop PC: with the Internet browser Google Chrome™ from version 21.0 final. In addition, most modern Android™ smartphones and tablets, from Android™ version 4.0. ²As part of the service, data about battery status and usage is stored in the vehicle and transferred to the manufacturer with a view toward safeguarding quality and further developing the vehicle and its components. In addition, data relating to charging and status is transferred to the charging point and the manufacturers in order to facilitate intelligent charging and to provide comfort functions for the customer. Part of this data can be made available to customers via the smart vehicle home page. This data is transferred via a mobile communication module or when charging the vehicle battery via a power-line Internet connection, if available. For further information, please refer to the vehicle operating manual.

>> Powerful and efficient: Innovative electric drive.

This forward-thinking, forward-moving joyride makes every ride a unique experience. Attractive, safe and exceptionally environmentally friendly, the smart's energetic 74-horsepower electric motor and lithium-ion battery are the driving force behind its efficient drive concept. And with 130Nm of torque, or 96 lb.-ft., you can get moving fast.



Electric motor:

The magneto-electric motor has a lightweight design and fits compactly in the rear of the vehicle. Unlike a combustion engine, the electric motor consists of a small number of components that barely show any signs of wear, thus keeping maintenance costs to a minimum. There is no need to change the oil or replace spark plugs, toothed belts or belt pulleys.

Simply silent:

The bustle of everyday life already has a soundtrack. Take comfort in the silent hum of your smart fortwo's electric motor and quietly maneuver around your city with ease.



Power consumption:

One charge goes a long way. The smart fortwo electric drive provides you with up to 122mpge (city) and a range of up to 68 miles, giving you the freedom to get where you need to go. It may be a small car, but it's going big places.

Recuperation:

In deceleration mode and during braking, the electric motor works as a generator that converts part of the surplus kinetic energy into electrical energy. This then flows back into the battery, ultimately increasing the range.



The battery:

The lithium-ion battery in the smart fortwo electric drive was developed by Deutsche ACCUmotive, a Daimler AG company specially set up to develop and produce batteries. The battery offers numerous advantages. Its high-energy density stores comparatively more energy. Partial charging is also possible at any time because the battery has no memory effect. The compact battery is safely housed in the underbody, ensuring a low center of gravity. This also enhances the agile handling and cornering stability, for a noticeable improvement in ride comfort.

>> A better ride is only a charge away.

Innovative charge management.

Electricity is a wonderful discovery. Not only can it be generated by environmentally friendly means, it is also cheap and available virtually anywhere – at home, at work and at public charging stations. This makes you all the more flexible, as you decide where to charge your smart fortwo electric drive.

13 hours



You can charge the battery at any standard 120 Volt outlet. The battery can be fully charged again (0–100%) in around 13 hours. Partial charging is also possible at any time.

6 hours

With a Level 2 Charging Station – at home or at work – you can fully recharge the battery (0–100%) in around six hours. The same amount of time is needed to charge the vehicle at one of the ever-growing network of public charging stations.



Simply drive for miles:

The smart fortwo electric drive doesn't cramp your style. With a range of up to 68 miles, it's not only perfect for everyday driving around town – a single battery charge also gives you enough for spontaneous trips.

>> All-around protection. Engineered with Mercedes-Benz.

Coming in at 8.8 feet long, the smart fortwo may be one of the smallest cars on the road. But don't let its size fool you – it is huge on safety. The smart fortwo electric drive's innovative safety concept, with both active and passive safety systems, offers maximum protection.

Safety seats with integral seat belts:

The sheet steel structure with integrated headrests lends the seats a high level of mechanical stability. The safety seats with integral seat belts come with a seat occupancy sensor and seat belt buckle detection for the driver's seat.

Crash boxes:

Steel deformation elements at the front and rear absorb the energy from minor collisions at low speeds, and ensure that the tridion safety cell itself remains undamaged. A damaged crash box is simple to replace.

esp® and abs safety systems:

When the vehicle is in danger of skidding, the electronic stability program (esp®) brakes individual wheels in order to prevent the car from breaking away. The anti-lock braking system (abs) ensures that the vehicle remains steerable and stays on track – even when the brakes are applied heavily.

Airbags:

Head/thorax-side airbags come standard in the cabriolet only, and protect the head and chest in the event of a side impact. Window curtain airbags are standard for the coupe. Additional safety is offered by the robust steel door structure.

Patented tridion safety cell:

The tridion safety cell is additionally reinforced with high-strength steel sheets at strategically important points, for maximum stability, rigidity and resistance. The impact energy is distributed evenly over the longitudinal and transverse members, and thus reduced effectively.

Full-size airbags:

Two full-size front airbags offer maximum protection for the driver and passenger in the event of a frontal impact.

The wheel as a deformation element:

In a head-on collision, the front wheel is supported by the side member, thus absorbing a substantial proportion of the impact energy. The short wheelbase means that the other vehicle involved in a side-on crash will almost always hit the wheel and the suspension components behind it. This ensures that the passenger cell remains virtually stable, so that the doors can still be opened easily after a side-on collision.

The battery:

The positioning of the battery in the vehicle underbody offers the best possible deformation protection in the event of a collision. The battery's low center of gravity also noticeably improves handling. There are two separate power supplies – a high-voltage system for the electric drive and a conventional onboard electrical system with a 12 V car battery. All plugs in the high-voltage system are protected and monitored by their own 12 V interlock circuit. This ensures that the vehicle occupants do not come into contact with high voltage at any time. And should an accident ever occur, the high-voltage elements are disconnected. A very effective protective mechanism – as proven by numerous crash tests.



>> Carefree electric driving: Battery Assurance Plus.SM

You can rent a battery with Battery Assurance PlusSM upon the lease, finance or purchase of the electric vehicle. Battery Assurance PlusSM provides you with a convenient way to finance your smart's battery, while giving you peace of mind when it comes to battery maintenance. Take comfort in a lower cost of ownership, and go the distance knowing that your battery will be serviced to take you there.



Buy, lease or finance the car:

You can buy, lease or finance your smart fortwo electric drive on attractive terms. Your smart dealer will be pleased to advise you on the different options and terms available to you, and together you will find the solution that suits you best.



Rent the battery¹:

Being that you're financially savvy, you're going to like the budget-friendly battery rental fee. You pay \$80 + tax month-to-month and you can cancel at any time. Battery Assurance PlusSM also provides you with annual battery maintenance – or every 12,500 miles, whichever comes first – and battery-related repairs are covered for up to 10 years.² When you do the math, you'll discover that the overall cost of ownership or leasing is significantly lower with Battery Assurance Plus.SM

¹Needless to say, you can also buy, lease or finance the battery together with the vehicle.

²This applies in the event of underfulfillment of the battery capacity assured in the rental agreement of at least 80% of the nominal capacity, and for a maximum period of 10 years.



>> Just drive off.

>> The only thing that's missing is the exhaust. Standard equipment.

Standard with the smart fortwo electric drive: the good feeling that you know you're driving the right car. Regardless of whether you opt for a coupe or a cabriolet, the car comes with extensive equipment, but without any local emissions.

Headlights:

Large headlights for bright and uniform illumination.

Front:

Electrifying – the silver radiator grille boasts a striking honeycomb structure with an integrated smart logo. And with striking air inlets to match.



9-spoke alloy wheels:

15" in silver with 155/60 R15 tires at the front and 175/55 R15 tires at the rear.

Panoramic roof:

Panoramic roof standard on coupes. Black soft top, with the option of blue or red available for the cabriolet (not shown). Both are weatherproof and robust.

tridion safety cell in silver:

Alternatively available in black, white, electric green, strike red and slate grey. The door mirrors are finished in the same color.



Rear:

Stylish without an exhaust pipe – the painted rear apron and silver trim strip combine to frame the dynamic honeycomb structure.

Electronically adjustable and heated side mirrors:

For a clear view at all times – even in frosty weather.



Charging socket:

The charging socket is located on the right-hand side between the tridion safety cell and the rear lamps, behind the charging socket cap painted in the body panel color. Its closing mechanism is regulated by the central locking function.

Some images may show optional equipment.

>> Impressive inner qualities. Standard equipment.

Take a seat and feel at home. The interior of the smart fortwo electric drive is exceedingly comfortable – right down to the very last detail.



Charging cable insert:

Close at hand and neatly stowed away after use, the charging cable is very much at home in the insert in the practical tailgate compartment. Standard for the coupe, and available for the cabriolet at no additional cost.



Charging cable:

The flexible and robust charging cable connects your car with a standard 120 Volt outlet.



Electric windows:

With one-touch control on the driver's side.



Instrument cluster with trip computer display:

The display has a READY indicator that shows when the vehicle is ready to go. It also comprises an ECO display for optimizing the driving style, a remaining range indicator, settings for departure and charging time, settings for pre-entry climate control, and a service interval indicator.



Audio system basic:

RDS radio with a USB and AUX port for your MP3 or CD player, two door loudspeakers, and an additional drawer below the operating unit.



Dashboard instruments:

These display the battery state-of-charge and show you whether the vehicle is consuming or recuperating energy.



Electric power steering:

Enjoy extra comfort at the wheel. Maneuver and park your smart fortwo electric drive effortlessly with the smallest turning circle of any car. And to add aesthetics to efficiency, the leather-covered steering wheel is a pleasure to hold and behold, while the silver steering wheel bezel is an eye-catching highlight.

Acoustic Vehicle Indication (not shown):

The pedestrian sound is automatically activated at speeds below 18 mph in order to warn pedestrians and cyclists that an otherwise silent vehicle is approaching.

>> Ideas for even more driving fun. Optional equipment.

With a wide range of optional equipment to choose from, you can tailor your smart fortwo electric drive to your personal taste and individual needs, for even more fun behind the wheel.



3-spoke leather sport steering wheel with cruise control or paddles for manual battery recuperation:

Energy at your fingertips. Literally. Using the steering wheel paddle shifters helps your smart increase the battery's range, giving you more juice for your journey.



LED daytime driving lights:

See and be seen – with these elegant daytime driving (high)lights.



Kinetic Green Appearance Package:

The electric green tridion safety cell and matching door mirror caps make the smart fortwo electric drive even more eye-catching. This impression is further emphasized by the body panels and 9-spoke alloy wheels in crystal white. Electric green components in the interior are special features of the Kinetic Green Appearance Package, and the black seat covers provide a contrast to them.

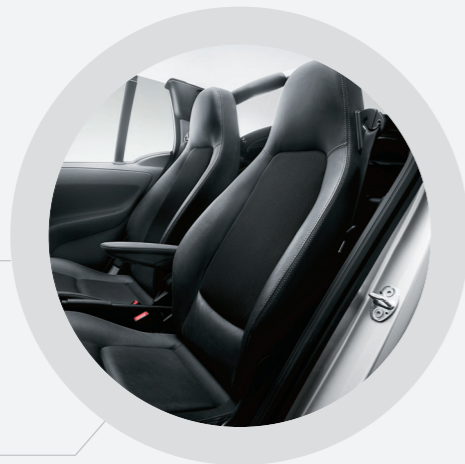


>> More sound, more comfort. Optional equipment.

You decide how much you want to enhance the entertainment and comfort functions of your smart fortwo electric drive. How about elegant leather seats for supreme comfort? Or the perfect sound system to bring out the best in your favorite music?

Armrest for the driver's seat (folding):

Available in black imitation leather or covered with fine red or beige fabric.



Leather seats¹:

The black leather seats look elegant as well as being extremely comfortable.



Surround-sound system:

For a brilliant new sound experience. With a subwoofer, an 8-channel digital amplifier, and perfectly matched tweeters, mid-range speakers, and rear-fill loudspeakers, your favorite songs have never sounded so good!



Heated seats:

Two settings with automatic switch-off functionality.



>> Open up to a new way of driving. As a coupe or a cabriolet.

The smart fortwo electric drive is available as a coupe or a cabriolet. With the cabriolet's fully automatic tritop fabric soft top, you can let in as much sun as you want. After all, we want you to enjoy the environment that you are protecting. And the coupe also offers a great view of the sky, thanks to the large panoramic roof made of break-resistant polycarbonate.

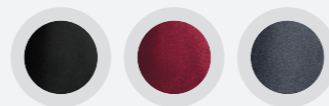


Tailgate with stowage compartment for side bars:
For maximum open-air driving pleasure, you can remove the side bars and stow them away in the compartment in the tailgate. Alternatively, an insert for the charging cable can be ordered at no extra charge.



Glass rear window:
The cabriolet's rear window is made of scratch-resistant safety glass. And it's heated, for maximum safety in every weather condition.

Fully automatic tritop fabric soft top:
Simply press a button to open and close the electric folding top in a matter of seconds – even when driving at high speeds. It can also be opened from a distance with the 3-button key.



Tritop fabric soft top colors:
Choose from three soft top colors: black, red¹ and blue¹.



¹No charge option.

>> All the color you need in your life.

Colors available for the smart fortwo electric drive.

The smart fortwo electric drive has an unmistakable character. With a spunky look and a responsibility to the environment, the smart's can-do attitude transcends to a "can do better" attitude. Clearly show your smart's electric character with a green tridion safety cell¹ – which is only available for the electric variants of the smart fortwo – or choose from an array of available vehicle and tridion colors to reflect the best sides of you. Become a pioneer on the road, and pave the way for a more stylish electric drive.



2



3



5



4



1



3



4



2



5



3



1

tridion safety cell:

Choose from black, silver, white, electric green, strike red or slate grey.

Body panels:

Available in clear flame yellow (1), deep black (2), or crystal white (3) (additional body panel color options grey matte (4) and silver metallic (5) are available at an additional cost).

Kinetic Green Appearance Package:

Crystal white body panels and alloy wheels set off the electric green of the tridion safety cell and side mirrors to great effect.

¹ Available only as part of Kinetic Green Appearance Package.

>> Equipment.

smart fortwo electric drive.

Exterior

Standard equipment:

- > Radiator grille in silver
- > Coupe: Panoramic roof
- > Cabriolet: Fully automatic convertible top with glass rear window
- > 15" 12-spoke alloy wheels (R73) with front tires: 155/60 R15; rear tires: 175/55 R15 in silver metallic
- > Electric drive logo on the tridion safety cell
- > Electric drive lettering in mirror triangle and on tailgate

Option with additional charge:

- > 9-spoke alloy wheels, 38.1 cm (15") in silver (R73) with front tires: 155/60 R15, rear tires: 175/55 R15 painted white

Colors/upholstery

Standard equipment:

- > Body panels in clear flame yellow, crystal white or deep black
- > Tridion safety cell and matching side door mirror trim in black, silver or white
- > Cabriolet: Tritop fabric soft top in black, blue or red
- > Upholstery color: Design black, red or beige fabric
- > Front and rear apron and side skirts finished in the body panel color
- > Charging socket cap finished in the body panel color
- > Fabric elements on instrument panel, door trim and knee pad are color-coordinated with chosen upholstery color
- > Contrast components in pearl black, pearl red or pearl beige; color-coordinated with upholstery

Options with additional charge:

- > Kinetic Green Appearance Package: Tridion safety cell and side door mirror trim in electric green, body panels in crystal white, upholstery in design black with contrast components in electric green, and 9-spoke alloy wheels in white (R79) with front tires: 155/60 R15; rear tires: 175/55 R15 in crystal white
- > Body panels in grey matte or silver metallic
- > Tridion safety cell and matching side door mirror trim in electric green, strike red, and slate grey
- > Leather Seating Package: Black leather, heated seats and leather instrument panel
- > Folding armrest for the driver's seat in black imitation leather, or design red or blue fabric

Interior

Standard equipment:

- > Trip computer
- > Dashboard gauges
- > smart radio
- > 2-spoke leather steering wheel
- > Air conditioning with automatic temperature control
- > Pre-entry climate control of the interior (heating/cooling during the charging process)
- > Power windows with one-touch lowering feature
- > Interior dome light
- > Lockable glove compartment
- > Flat-folding passenger seat with backrest adjustment
- > Coupe: Stowage compartment in tailgate with insert for charging cable
- > Cabriolet: Stowage compartment in tailgate with insert for roof bars
- > Coin holder
- > Cup holder

Options with additional charge:

- > Heated seats (2-level, with automatic switch-off function)
- > 3-spoke leather sport steering wheel with paddles for manual battery recuperation
- > Ambient lighting in the interior (door pockets, footwell, instrument panel and overhead console; dimmable)

Functional/electrical equipment

Standard equipment:

- > Comfort/Light Package: Electrically adjustable and heated door mirrors, rain sensor, light sensor, and driveway illumination
- > Electric power steering
- > Turn signal lights
- > Audio system, basic: FM/AM radio, RBDS, AUX/USB socket and two loudspeakers
- > AUX and USB sockets: Connect mobile audio devices, such as an MP3 player, via the AUX and USB sockets using commercially available 3.5 mm socket plug (AUX) or USB connector cable (USB)
- > Instrument cluster with trip computer display: Includes charge level gauge, power gauge, air conditioning with climate control, radio, central unlocking switch, remaining range, fuel-efficient driving, ready-to-start indicator and PRND display, service interval indicator, trip recorder, and clock
- > Windshield wipers with washer fluid
- > 3.3 kW onboard charger
- > 120 Volt charging cable for emergency charging
- > Vehicle home page access to battery systems via communication module

Options with additional charge:

- > Cruise Control Package: Includes 3-spoke steering wheel with cruise control
- > Steering-wheel paddle shifters for battery recuperation
- > LED daytime driving lights
- > Surround-sound system: Supplements existing speakers with additional, more powerful speakers (including a digital amplifier in the passenger footwell and a passive subwoofer)

>> Equipment.

Both models.

Safety

Standard equipment:

- > Tridion safety cell
- > Electronic stability program (esp®) with hill-start assist
- > Antilock braking system (abs) with electronic brake force distribution
- > Central locking system with remote
- > Hydraulic dual-circuit brake system with servo assistance
- > Hydraulic brake assist
- > Automatic hill-start assist (on uphill slopes)
- > Full-size driver and passenger airbags
- > Knee-bolster airbags
- > Cabriolet: Head/thorax-side airbags
- > Coupe: Window curtain airbags
- > Drive lock: Automatic door locking when the ignition is switched on and the vehicle is moving at a speed of approximately 8 mph or more
- > Auto-relock function: Vehicle will lock automatically within approximately 60 seconds of unlocking with the key if neither the driver nor passenger door is opened
- > Acoustic Vehicle Indication

Options with additional charge:

- > Anti-theft alarm system
- > Breakdown kit
- > First aid kit

>> Technical data.

Both models.

Model	smart fortwo electric drive
Motor (type)	Water-cooled permanent 3-phase AC magneto-electric motor
Rated output	74 horsepower
Continuous output	47 horsepower
Maximum torque	96 lb-ft
Top speed	78 mph
Acceleration	0-62 mph, 11.5 seconds
Range	68 miles (combined)
MPGe	122 (city)
Battery type	Lithium-ion
Battery capacity	17.6 kWh
Number of battery cells	93
Onboard charger in kW	3.3
Charging time (120 V)	Approximately 13 hours
Charging time (120 V) at Level 2 Charging Station	Approximately 6 hours
Combined CO ₂ emissions	0 g/km
Vehicle length/width/height in feet	7.8 feet / 5.1 feet / 5.1 feet
Wheelbase	73.5 in
Track width (front/rear)	50.51 in / 54.53 in
Turning circle	28.7 feet
Luggage compartment capacity	7.8 (up to beltline) / 12 (to roof) cu ft
Net weight (U.S. curb weight)	2,094 lbs (coupe) / 2,138 lbs (cabriolet)

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smart – a Daimler brand