



Emission-free driving

Press Information

Electrification of all smart models

Fall 2017

The smart electric drive makes opting into electric mobility more attractive than ever, combining overall agility with emission-free driving as an ideal combination for urban mobility in both coupe and cabrio configurations.

For 2018, the smart electric drive is standard-equipped with a Rearview Camera and Smartphone Voice recognition. The optionally available smartphone cradle becomes larger, a new paint color, Autumn Brown Metallic, is available, and a Sport Package with 16-inch 8-Y-spoke wheels in black is now optionally available.

The most important information at a glance:

- At \$23,900 before federal or state incentives, the smart electric drive is the most affordable electric car on sale in the U.S.
- With 118 lb-ft torque and 80 hp, the electric car boasts exceedingly agile acceleration.
- The fully charged battery has sufficient power to cover approximately 60 miles, more than enough in urban areas for which the smart was tailor-made.
- With the 7.2 kW high-performance on-board charger, the smart electric drive can be charged in half the time as the previous generation (0-100% in 3 hours, 20-100% in 2.5 hours)
- Android Auto added to smart Media-System touchscreen navigation option

smart electric drive: agile, quiet and emission-free urban driving

The driving characteristics are as agile and lively as ever. The ultra-small turning circle also contributes to this, and at 22.8 feet for the two-seater it corresponds precisely to that of its sibling with conventional drive. Electric driving at smart offers maximum options for customization with regard to colors and optional equipment due to exclusive options and tridion paint colors offered on the electric drive model.

Charging time is an important factor for electric vehicle customers and the new smart electric drive also boasts major improvements here. All models have a new, powerful on-board charger as a standard feature.

Page 2

An 80 hp electric motor is situated at the rear of the smart electric drive and transmits its power via a constant ratio to the wheels. Powerful torque of 118 lb-ft is immediately available from a standstill, a 23% increase over the 96 lb-ft offered by the previous generation smart ED. The electric drive has a range of approximately 70-80 miles – ideal for emission-free mobility in urban areas. The maximum speed is electronically limited to 81 mph to maximize the range. U.S. range and overall electric motor specifications will be announced at the time of launch.

Thanks to the power characteristics of the electric motor, the smart needs just one single fixed gear ratio. There is no need for any gear changing – a major advantage in dense city traffic. To reverse, the engine's direction of rotation changes.

At a glance:

smart electric drive	fortwo coupe	fortwo cabrio
Motor	three-phase synchronous motor	
Battery	Lithium-ion battery	
Battery capacity (kWh)	17.6	
Output electric motor (hp)	80	
Torque electric motor (lb-ft)	118	
Acceleration 0-60 mph (sec)	11.4	11.7
Range in miles (EPA)	58	57
Maximum speed (mph)	81	
Charging time, home socket (120V/12A)	0-80%: 13 hours est. 0-100% 16.5 hours est.	
Charging time, wallbox (240V/32A)	0-80%: 2.5 hours 0-100%: 3 hours	

In addition to the basic transmission mode, the driver can select ECO mode, which is designed for a particularly efficient driving style. In addition, the maximum speed is limited, the accelerator pedal curve adjusted and the maximum recuperation level is pre-selected. In overrun mode or when braking, the vehicle's kinetic energy is converted into electrical energy – this is called recuperation.

To save energy and extend the range, the smart electric drive also features standard pre-conditioning, which allows for pre-entry climate control and enables the desired temperature to be reached in the interior while the vehicle is still charging at a socket.

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Further information about smart is available online at www.media.mbusa.com and www.smartusa.com.

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Page 3