



Fast Electric Car

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A new version of an electric car from Tesla Motors can go from 0 to 100kph in just 2.8 seconds. The Tesla Model S P85D was already very fast. Its Insane Mode meant the car could get from 0-100kph in 3.2 seconds. The upgrade is called Ludicrous Mode and will take the horsepower up to 762. This gives it the extra power to get to 100kph in less than three seconds. This is close to the Porsche 911 Turbo S supercar. That kind of power means the car can accelerate at a force of 1.1G. It makes the driver feel that he or she is going faster than the speed of falling out of an airplane.

Tesla CEO Elon Musk said the improved acceleration came from research into an advanced battery. Engineers were working on a new power train, which is the system that delivers the power from the engine to the wheels. They managed to increase the battery power by ten per cent, making the car faster. Tesla said: "Unlike a gasoline internal combustion engine with hundreds of moving parts, Tesla electric motors have only one moving piece: the rotor. As a result... acceleration is instantaneous, silent and smooth." The new Tesla costs \$87,500; the "ludicrous" upgrade is an extra \$13,000.

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