

# Tesla Model S Plaid 60

== Eligible cars == 4682dc6bd8 The company was incorporated in July 2003 by Martin Eberhard and Marc Tarpenning as Tesla Motors. Its name is a tribute to the inventor and electrical engineer Nikola Tesla. In February 2004, Elon Musk led Tesla's first funding round and became the company's chairman, subsequently claiming to be a co-founder; in 2008, he was named chief executive officer. The company began production of its first car model, the Roadster sports car, in 2008; the Model S sedan in 2012; the Model X SUV in 2015; the Model 3 sedan in 2017; the Model Y crossover in 2020; the Tesla Semi truck in 2022; and the Cybertruck pickup truck in 2023. 4682dc6bd8 == Overview == 4682dc6bd8 == Eligible cars == 4682dc6bd8

Tesla Model S The automaker's second The Tesla Model S is a battery-electric, four-door full-size car that was produced by the American automaker Tesla from 2012 to 2026. The Tesla Model S is a battery-electric, four-door full-size car that was produced by the American automaker Tesla from 2012 to 2026. The automaker's second vehicle, the Model S has been described as one of the most influential electric cars in the industry. Its various accolades include the Motor Trend Car of the Year Award in 2013 4682dc6bd8

Tesla Autopilot hardware &quot;HW4 (Tesla new self-driving hardware) | Blog Tesla Autopilot, an advanced driver-assistance system (ADAS) for Tesla vehicles, uses a suite of sensors and an onboard computer. (August 10, 2023). Retrieved 15 June 2024. Clean Technica. It has undergone several hardware changes and versions since 2014, most notably moving to an all-camera-based system by 2023, in contrast with ADAS from other companies, which generally include radar and/or lidar sensors. &quot;First Days With Tesla Model S Plaid With Hardware 4&quot; 4682dc6bd8

Tesla Model X Developed from the full-sized sedan platform of the Tesla Model S, the vehicle uses distinctive falcon wing doors for rear passenger access. from 2015 to 2026. In January 2026, Tesla announced that the Model X would be discontinued alongside the Model S. best-selling plug-in cars. A refresh of the Tesla Model X was introduced in 2021, offering a new &quot;Plaid&quot; performance model, along with a revised interior, powertrain The Tesla Model X is a battery electric mid-size luxury crossover SUV built by Tesla, Inc 4682dc6bd8

== History == 4682dc6bd8 Constructed mostly of aluminum, the Model S shares 30 percent of its components with the Model X—a crossover SUV that was introduced in... 4682dc6bd8 Tesla started developing the Model S around 2007 under the codename WhiteStar, with Henrik Fisker appointed as lead designer for the project. After a dispute with Elon Musk, Tesla's CEO, Fisker was replaced by Franz von Holzhausen who, by 2008, had designed the production

Model S's exterior. Tesla unveiled a prototype of the vehicle in March 2009 in Hawthorne, California. In 2010, Tesla acquired a facility in Fremont, California, to produce the Model S, which was previously owned by General Motors and Toyota. Series manufacture of the car officially began at the Tesla Fremont Factory in June 2012. Tesla carried out the final assembly for European markets at its facilities in Tilburg, Netherlands, between 2013 and 2021. The invention and popularization of 0 to 60 mph times as a metric for measuring a car's performance has been credited by some sources to automotive writer Tom McCahill, who started publishing 0-60 mph times in 1946 while writing for the magazine *Mechanix Illustrated*. The Model X has an EPA size class as an SUV, and shares around 30 percent of its content with the Model S, half of the originally planned 60 percent, and weighs about 10 percent more. Both the Model X and Model S are produced at the Tesla Factory in Fremont, California. The prototype was unveiled at Tesla's design studios in Hawthorne, California, on February 9, 2012. First deliveries of the Model X began in September 2015. After one full year on the market, in 2016, the Model X ranked seventh among the world's best-selling plug-in cars. A refresh of the Tesla Model X was introduced in 2021, offering a new "Plaid" performance model, along with a revised interior, powertrain, and suspension. Another update of the Model X was introduced in June 2025 with a new front bumper camera, new wheel designs, increased third-row space, dynamic ambient lighting...

Tesla Autopilot "First Days With Tesla Model S Plaid With Hardware 4". Clean Technica. In May 2026, the National Highway Traffic Safety Administration (NHTSA) said that recent Tesla Model Ys are the first cars to pass the agency's new benchmark for advanced driver assistance systems. Retrieved June 15, 2024. Zlatev, Daniel (March 30, 2024). All Tesla vehicles produced after April 2019 include Autopilot, which provides autosteer and traffic-aware cruise control. As of February 2026, customers can subscribe to an optional Level 2 package called "Full Self-Driving (Supervised)" (FSD), which adds semi-autonomous navigation on nearly all roads, self-parking, and the ability to summon the car from a parking space. that provides partial vehicle automation, corresponding to Level 2 automation as defined by SAE International. "Tesla emulates FSD 12 Tesla Autopilot/FSD is an advanced driver-assistance system (ADAS) developed by Tesla, Inc

List of fastest production cars by acceleration Car and Driver. Self-published video such as YouTube, including drag race videos, should not be considered reliable sources for this list. First to Accelerate to 60 MPH in under Two Seconds". All entries must be able to be verified from reliable sources. Retrieved 2 October 2024. 98 Seconds\* This list is limited to unmodified production cars that meet the eligibility criteria below. Times driven privately or by manufacturers need the presence of an independent, reliable source or at least some video footage to confirm the car and tire condition to qualify as independent. "Tesla Model S Plaid First Test: 0-60 MPH in 1. Up to one percent decline from start to finish is allowed

Present production model performance cars are often capable of going from 0 to 60 mph in under 5 seconds, while some sports cars and electric vehicles can do 0 to 60 mph in between 2 and 3 seconds. Motorcycles have been able to achieve these figures with sub-500cc since the 1990s. The fastest automobile in 2015 was the Porsche 918 Spyder, which is a hybrid vehicle that takes 2.2 seconds to accelerate from 0 to 60 mph. In June 2021, the Tesla Model S Plaid was measured to accelerate from 0 to 60 mph in 1.98 seconds, not including the first foot of rollout. Since 2013, Tesla CEO Elon Musk has repeatedly predicted that the company would achieve fully autonomous driving (SAE Level 5) within one to three years, but as of July 2026, these goals are still to be met. The branding of Full Self-Driving has drawn criticism for potentially misleading consumers. Tesla vehicles currently require continuous driver supervision which does not constitute full self-driving capability. Previously...

Tesla Roadster (second generation) 9 seconds, which would have been quicker than any street legal production car at the date of its announcement in November 2017. In February 2025, Tesla engineering VP Lars Moravy confirmed The second generation Tesla Roadster is an upcoming battery electric four-seater sports car planned to be built by Tesla, Inc. The company claims it will be capable of accelerating from 0 to 60 mph in 1.1 sec 0-60 mph was the base model before adding rocket thruster option. Musk tweeted that a "2. The Roadster would be the successor to Tesla's first production car, the 2008 Tesla Roadster

Unveiled as a concept prototype in November 2017 and originally set to start production in 2020 with 10,000 units, the release has been delayed multiple times. In November 2025, Tesla CEO Elon Musk said the Roadster would begin production in 2027 or 2028. Musk said that higher-performance trim levels will be available beyond the base specification.

Electric vehicle motors needed] Tesla switched the Model 3 rear motor to a permanent magnet design in 2017. Four companies stand out for advances: YASA (now part of Mercedes), Lucid Motors, Rivian (especially the 2026 R2), and Tesla. They deliver instant torque, run quietly, and reach energy conversion efficiencies above 90 percent in many cases. The Model Y dual motor configurations do the same. Their approaches highlight trade-offs between raw performance and everyday efficiency. Engineers call them traction motors. Designers focus on power density (output per kilogram), torque per unit volume, efficiency across speeds, and production cost. Plaid PMMs increase Electric vehicle motors convert battery energy into kinetic energy

Tesla, Inc. Retrieved June 20, 2023. 2023. Headquartered in Austin, Texas, it designs, manufactures, and sells battery electric vehicles (BEVs), stationary battery energy storage devices from home to grid-scale, solar panels and solar shingles, and related products and services. ( TEZ-lə or TESS-lə) is an American multinational automotive and clean energy company. Merano, Maria (October 11, 2021). "Tesla Model S Plaid battery pack shows that 18650 cell innovations are not over yet" Tesla, Inc

List of production cars by power output Road & Track. "Ferrari SF90 Stradale | This list of most powerful production cars in the world is limited to unmodified production cars which meet the eligibility criteria below. Tesla. Retrieved 2022-03-16. All entries must verified from reliable sources. Like Nothing You've Seen Before". "Model S". "Model X". Retrieved 2021-06-11. Tesla

0 to 60 mph 9.8 seconds, not including The time it takes a vehicle to accelerate from 0 to 60 miles per hour (97 km/h or 27 m/s), often said as just "zero to sixty" or "nought to sixty", is a commonly used performance measure for automotive acceleration in the United States and the United Kingdom. seconds to accelerate from 0 to 60 mph. 1 mph) is used. In the rest of the world, 0 to 100 km/h (0 to 62. In June 2021, the Tesla Model S Plaid was measured to accelerate from 0 to 60 mph in 1.9 seconds

Tesla is one of the world's most valuable companies in terms of market capitalization. Starting in July 2020, it has been the world's most valuable automaker. From October 2021 to March 2022, Tesla was a US\$1 trillion company, the sixth... Initially, the ADAS used a combination of cameras capturing the visual spectrum, forward-facing radar, ultrasonic proximity sensors, and a Mobileye EyeQ3 computer as Hardware 1, fitted to Model S vehicles starting in October 2014. After Mobileye ended its partnership with Tesla in 2016, Tesla began shipping cars equipped with an Nvidia Drive PX 2 computer and an increased number of cameras as Hardware 2. In 2019, Tesla shifted to a computer using a custom "FSD Chip" designed by Tesla, branded as Hardware 3. Starting in 2021, Tesla stopped installing the radar sensor in new vehicles, and the ADAS was updated to drop radar support. In 2022, Tesla announced it also would drop support for the ultrasonic sensors, moving the ADAS to an all-visual system. The most recent sensor and computer implementation is Hardware 4, which began shipping in... Electric motors powered the first road vehicles in the late 1800s. Early designs used direct current motors with lead-acid batteries. Ferdinand Porsche built a hybrid electric car in 1901. Production electric cars faded after 1920 as internal combustion engines improved. Modern interest returned in the 1990s. General Motors released the EV1 in 1996 with a single induction motor. Tesla launched its Roadster in 2008. That car used an alternating current induction motor derived from earlier aerospace work. The design proved rugged and avoided rare earth magnets. It set a benchmark for performance, but consumed more energy... == History ==

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