Tesla Model S

Team Tanzania

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What is the Tesla Model S?

product more available to the common public. efficiency cars, the Model S is more powerful than many modern combustion engine The Tesla Model S is a luxury car that runs solely on battery power. Unlike other high cars. Though the price is still high at around \$70,000, Tesla is working to make their



http://electriccars2016.com/2016-tesla-model-s-cleanest-vehicle/

How the Model S Began

The Tesla roadster was the only other like it in 2009

\$109,000 car and price kept it from being successful

Needed a \$350 million dollar loan to get program going



produce their electric model sedan Fortunately for Tesla, Fisker was unable to receive the funds needed to mass

http://www.caranddriver.com/reviews/2009-tesla-roadster-road-test



"Ludicrous" Performance Capabilities

- "Ludicrous" optional performance package for the Model S P90D model allows the 4,647.3 pound sedan to accelerate from 0 - 60 mph in 2.8 seconds
- There are only 7 production cars in the history of the automobile that accelerate faster than the Ludicrous-equipped Tesla Model S P90D!
- 5 out of 7 of the faster-accelerating cars were produced in quantities of less than 30 produced
- The Ludicrous package also provides dual motors producing a combined 713 lb-ft accelerator of torque and 761 horsepower available the moment your foot touches the
- supercar performance at a \$128,000 price with no gasoline, and a sedan's Essentially, the Tesla Model S P90D gives the owner \$300,000+ gas-guzzling versatility.

How is it better than other green cars

Uses a battery that is 3 to 4 times larger than other green cars

Leads to better performance and range

Tesla uses 18650 cylindrical cells instead of prismatic cells

Leads to 50% greater performance than industry average

Helps to keep battery costs at a minimum



http://www.torquenews.com/2250/what-makes-tesla-s-batteries-so-great

Harmful effects of Tesla Model S

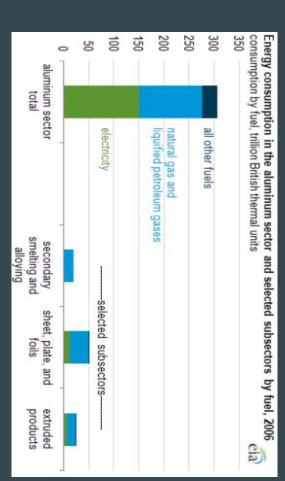
Made from aluminum instead of steel

Leads to much higher performance

Not found in natural state

Aluminum smelting requires a lot of energy

Aluminum is 100% recyclable



Secondary use doesn't require much energy

http://time.com/money/3432529/tesla-electric-environmentally-friendly-aluminum/

Electric Cars and Environmental impact

such as the Model S, can greatly reduce emissions and the effect of transportation on scale. Smog and acid rain are also effects of transportation emissions. Electric cars have a tailpipe. This however does not consider where the electricity came from that Modern transportation causes pollutants to be spread into the atmosphere on a large the environment. The Model S is considered a zero emission vehicle, it doesn't even

Conclusion

are harmful to the environment. The positives outweigh the negatives in this case and has some downfalls. Telso boast zero emissions yet some of the features of the Model S Tesla Model S has many innovations that make it an efficient vehicle. However, it still the Tesla Model S is a big step in the pursuit of environmentally friendly vehicles.

Citations

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