

Automotive & Solar Fast Facts

In 2017, petroleum accounted for

92% of United States transportation sector energy use.
(US Energy Information Administration)

↑ Electricity provided less than 1% of total transportation energy use- looking to
increase electricity
↓ **and lessen petroleum products**
with solar energy. (US Energy Information Administration)

**31% of all
US Carbon
Emissions**



come from the combustion of fossil fuels for transportation.
(EPA)



Prototype for a completely solar car is expected to travel

**115km (71.46 miles)
on a single charge.**

(Renewable Energy Hub)

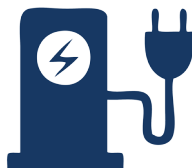
- For the first time, solar PV additions rose faster than any other fuel internationally in 2016. (International Energy Agency)
- Predicted for the next five years, solar PV represents the largest annual capacity additions- higher than wind and hydro. (International Energy Agency)
- Work towards a solar car is worldwide as research across the globe supports development of a solar powered car. (Clean Technica)
- Audi is working with Alta Devices to create cars with solar roofs to extend distance travelled and miles per gallon. (Renewable Energy Hub)
- Toyota is experimenting with solar panels on cars that could increase efficiency by more than 10%. (Renewable Energy Hub)
- The prices of solar batteries are predicted to continue to fall even as the cost of fossil fuel rises. (Renewable Energy World)
- Research on using residential solar panels to charge an electrical vehicle while at home is currently in the works. (Renewable Energy World)

“On average, driving an electric car can decrease your yearly fuel bill by around \$1,000”
(Let's Go Solar)



Driving an electric vehicle can save you

\$2,500- 7,500 in Federal tax credits,
with even higher savings in fuel costs.(Let's Go Solar)



There are over

5,000 public charging stations

for electric cars in the United States.(Power Up)



In a standard car, only 14-16% of the battery is converted to energy. On average, an electric car converts 80% of its battery power to energy.(Power up)