



Press Release

Stuttgart, 24 May 2022

Germany secures top spot in electromobility

The latest global figures and statistics on electric cars

The electric vehicle market is booming. Last year 681,000 new electric cars were registered in Germany. The number has therefore more than doubled. Nor can the bottlenecks in the supply chains for electric cars bring about a slowdown in this upward trend. The Centre for Solar Energy and Hydrogen Research Baden-Württemberg (Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg - ZSW) has investigated the latest figures in the electric vehicle industry. China leads the field in global registrations of new cars with 3.3 million electric cars, but Germany has once again secured second place ahead of the USA. There are currently around 1.2 million electric cars on the roads in Germany and more than 17 million worldwide.

“China is still the largest market in the world for electric vehicles. When the number of electric cars is expressed as a percentage of the total number of new registrations, however, a different picture emerges, with Norway clearly in the lead with a share of around 75 per cent. Only one in four newly registered cars is still conventionally powered here. In Germany, the share of electric cars is only 26 per cent – but this is still almost twice as high as in the previous year – and for the first time more than the percentage of diesel cars,” said Andreas Püttner who presents the figures for the ZSW every year.

There has been a marked increase in the total number of electric vehicles in Italy, Denmark and Germany in particular compared to 2020. Almost half of the 17 million electric cars on the road worldwide can be found in China.

Zentrum für Sonnenenergie- und Wasserstoff-Forschung Baden-Württemberg (ZSW)

Location: Meitnerstr. 1,
70563 Stuttgart

Tesla steps up a “gear”

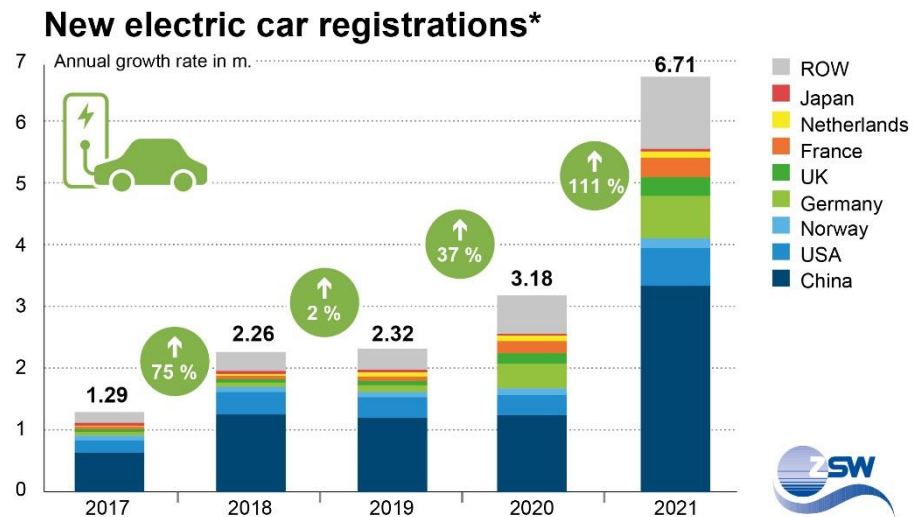
In terms of new registrations by manufacturer, the gap has widened again between VW in second place with around 671,000 new registrations and Tesla as the leading manufacturer (936,000). BMW (231,000) and Mercedes (212,000) have fallen back slightly compared to 2020 but remain in the top 10. The Chinese automotive company SAIC is in third place with 609,000 new registrations but is developing at great speed and has almost caught up with VW in second place.

When it comes to models, the Tesla “Model 3” continues to hold the top position worldwide with more than 500,000 new registrations. The American enterprise has even stepped up a gear and now boasts another model in the top three (411,000), in this case the “Model Y” which is also produced in the new Tesla factory in Brandenburg. Second place goes to the Hongguang Mini EV (427,000), a budget compact car made exclusively for the Chinese market. The VW ID.4, which has only been on sale since the end of 2020, is in fourth place with around 120,000 new registrations but still a long way off from the top three. The best-selling electric cars in Germany were also the Tesla Model 3 and the VW e-up! and VW ID.3 from Wolfsburg.

Moving times in the automotive industry

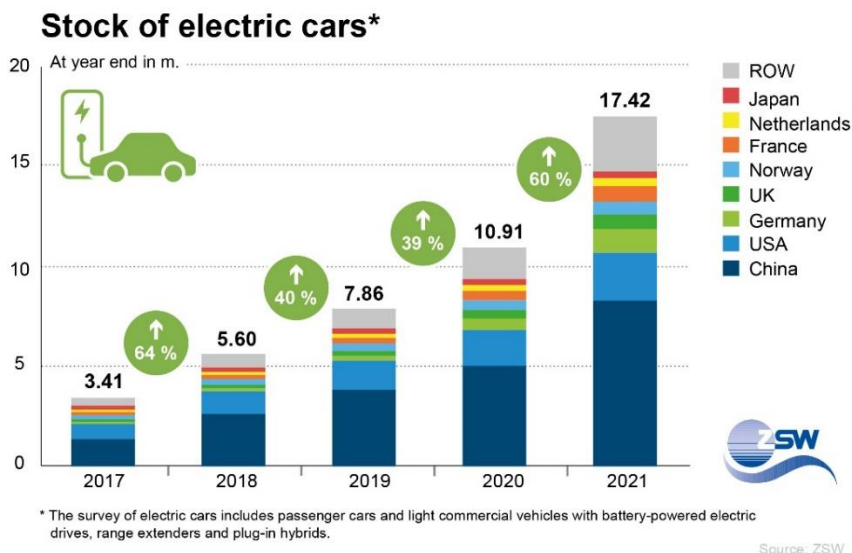
“When you see the petrol and diesel prices at the fuel stations, you can understand why many people are switching to an electric car,” continued Andreas Püttner. Anyone who wants to buy a brand new vehicle straight from the factory needs to be very patient at the moment, however. The high level of demand and the supply problems with semiconductors and other components are causing long lead times for the delivery of most models. The great interest in electromobility is also crucial when it comes to environmental protection. “The climate targets will be virtually impossible to achieve without electromobility. The goal of the German government to have at

least 15 million electric vehicles in Germany by 2030 is therefore an important step. This may appear ambitious, given the current registration figures, yet it is still achievable. Increasing the momentum even further is imperative, however, because the European Commission plans to restrict all the roads in Europe to “zero-emission” cars from 2035 onwards,” added Andreas Püttner, emphasising the wider reach of the targets.



* The survey of electric cars includes passenger cars and light commercial vehicles with battery-powered electric drives, range extenders and plug-in hybrids.

Source: ZSW



For further data on electromobility please visit:

www.zsw-bw.de/mediathek/datenservice

About the ZSW

The Centre for Solar Energy and Hydrogen Research Baden-Württemberg (ZSW) is one of the leading institutes for applied research in the areas of photovoltaics, renewable fuels, battery technology, fuel cells and energy system analysis. There are currently around 300 scientists, engineers and technicians employed at the three ZSW sites in Stuttgart, Ulm and Widdershau. In addition, there are 100 research and student assistants. The ZSW is a member of the Innovationsallianz Baden-Württemberg (innBW), a group of 13 non-university, applied research institutes.

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Photographs and diagrams available from Solar Consulting or at
<https://energie.themendesk.net/zsw/>.