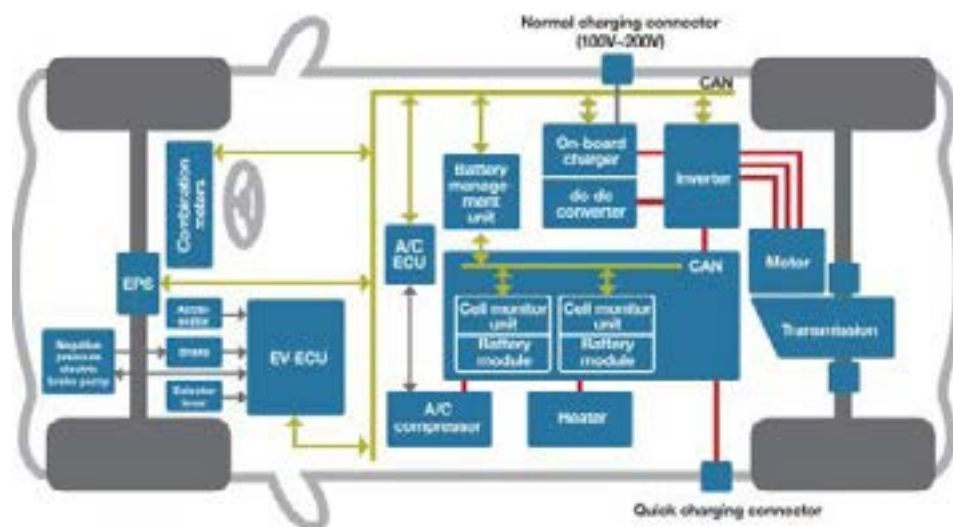


An alternative of automobile: An electrical vehicle

The car is one of the greatest inventions, which is affordable and convenient, in human's history. However, this great invention is affecting our nature negatively by emitting gases like carbon dioxide. As a number of cars are produced every year, they exacerbate air quality and ozone layers. In order to prevent such a disaster, an electric car is introduced. Rather than using fuel, an electric car uses electricity as the source. It charges energy into a rechargeable battery by saving electricity from the grid. I believe an electric car can be a good topic as it has a deep relationship with the Anthropocene and digitization that we discussed during the class. Since human-made technology has impacts on nature and alters motor systems with advancements along the time, an electric car and its history can be considered as a suitable idea of combining the Anthropocene and digitization. These days, gasoline and diesel cars are substituted into electric cars as their advantages and benefits are highlighted not only for human convenience but also for nature. Likewise, I wanted to research more about the battery and electric systems, which develop over time.

Typical EV subsystems



source from Power Electronic Tips
<https://www.powerelectronicstips.com/galvanic-isolation-for-electric-vehicle-systems/>