

Battery electric cars will be more popular than hydrogen fuel cell electric vehicles (FCEVs)

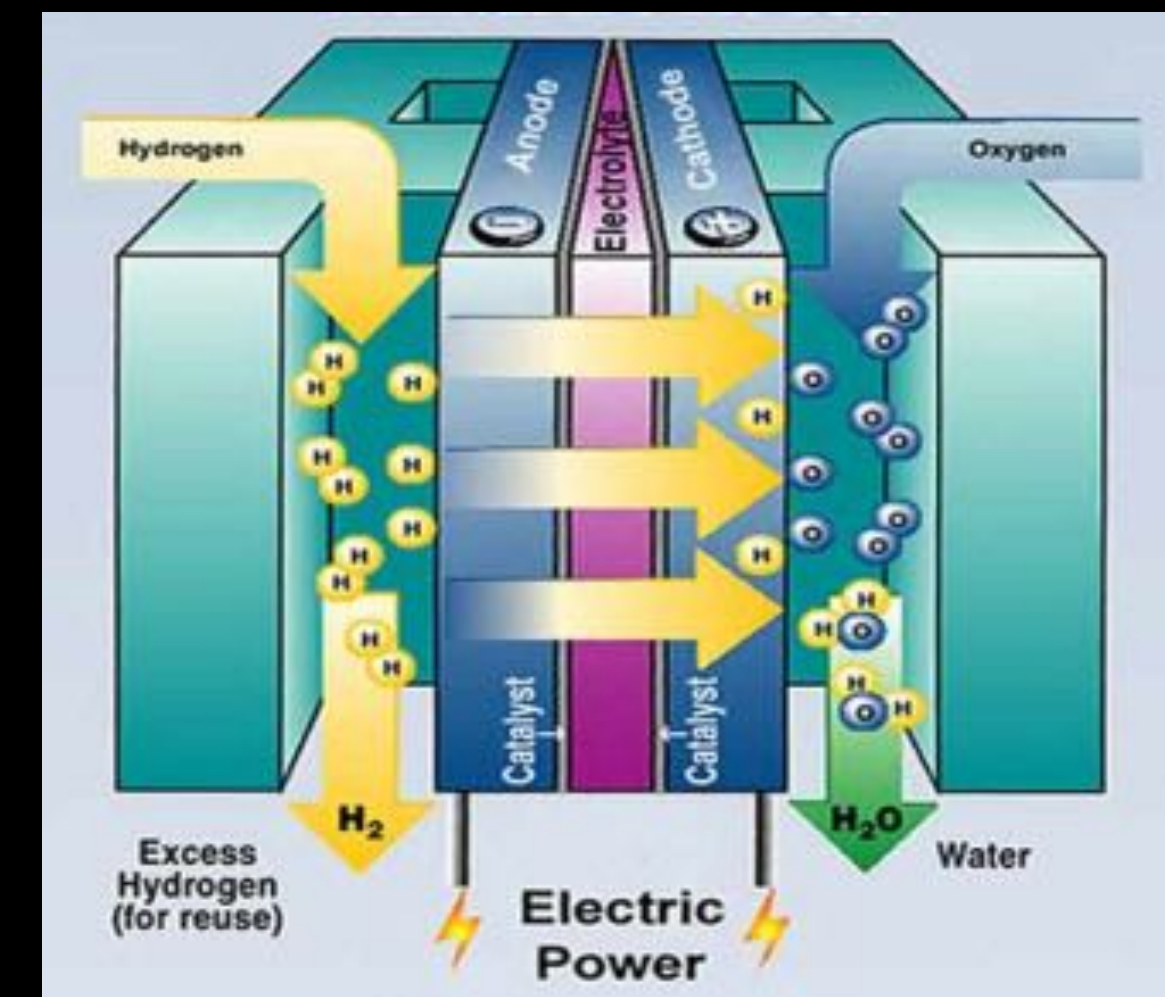
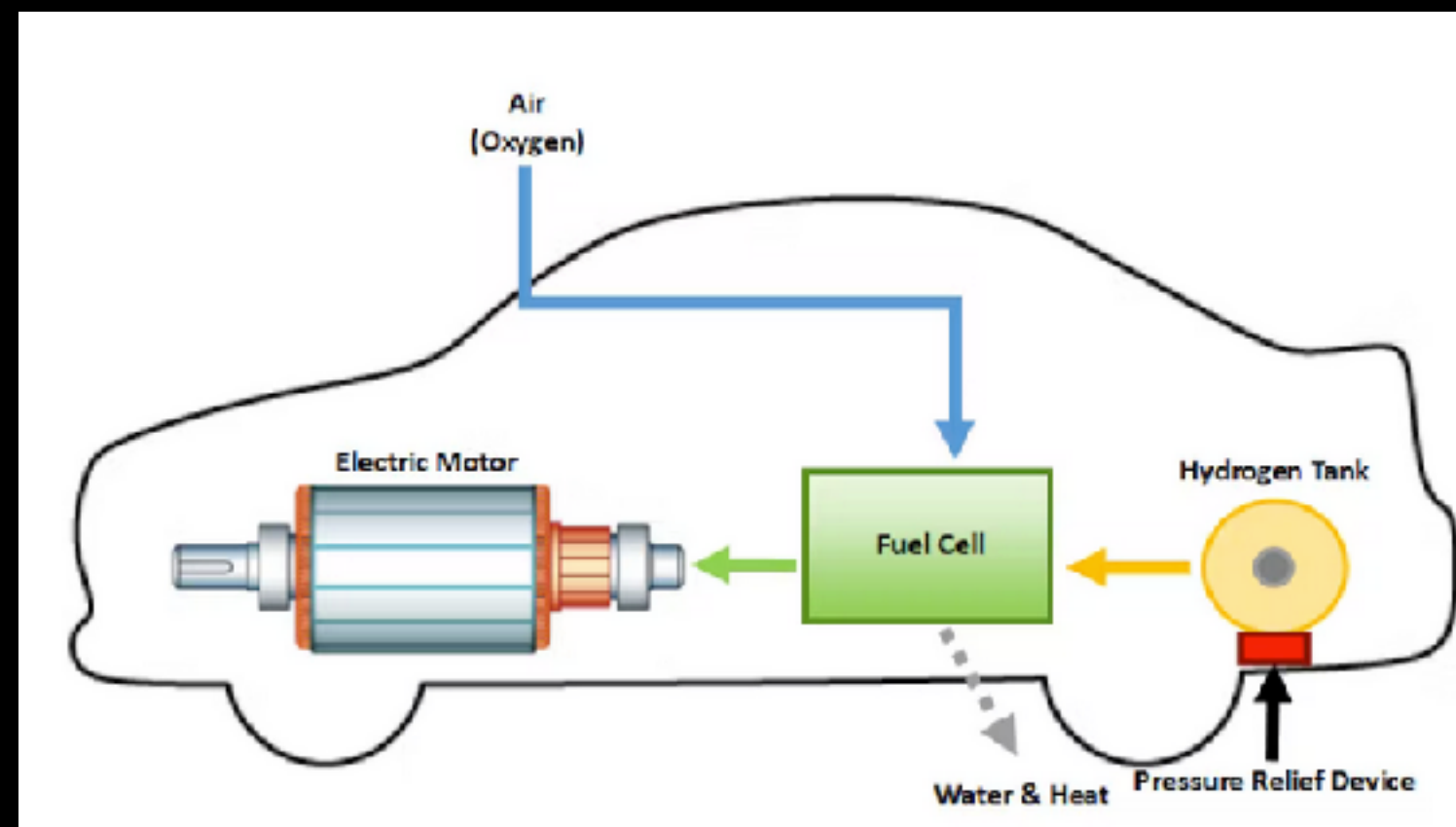
for passenger vehicles in the foreseeable future



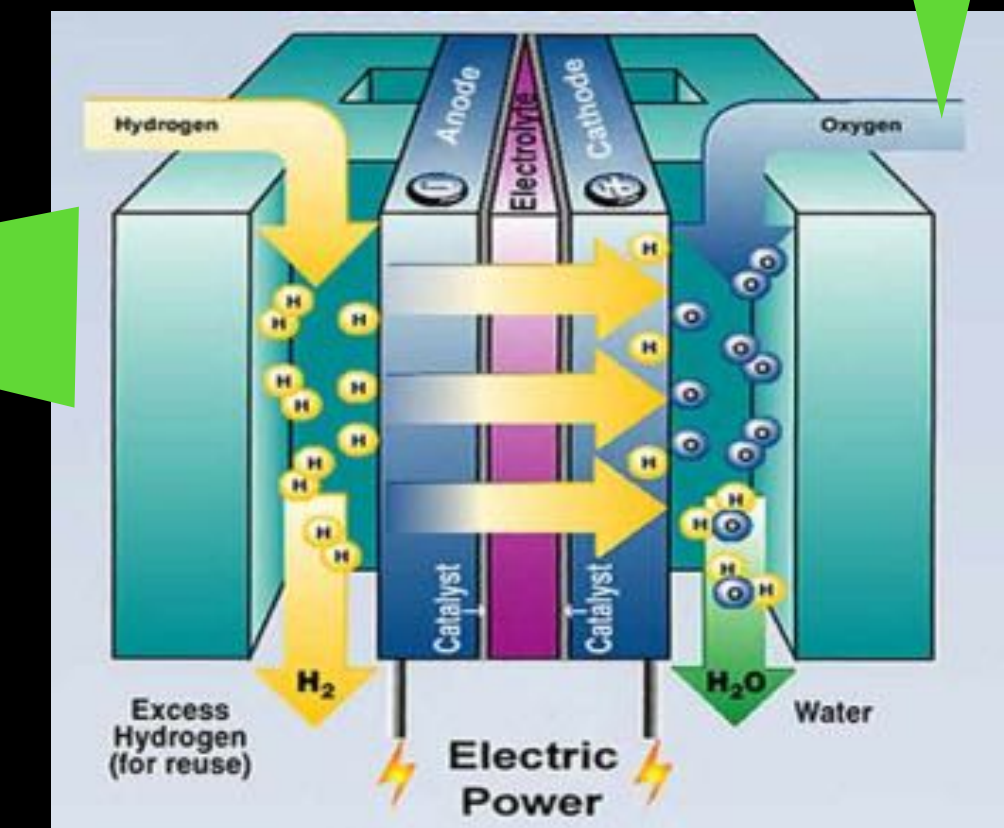
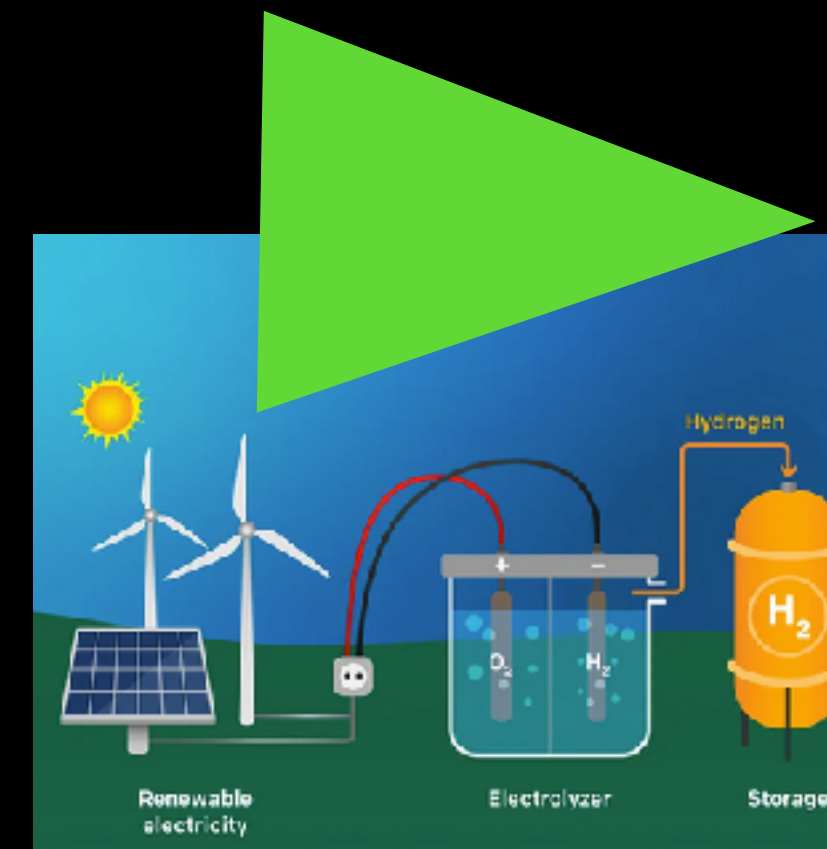
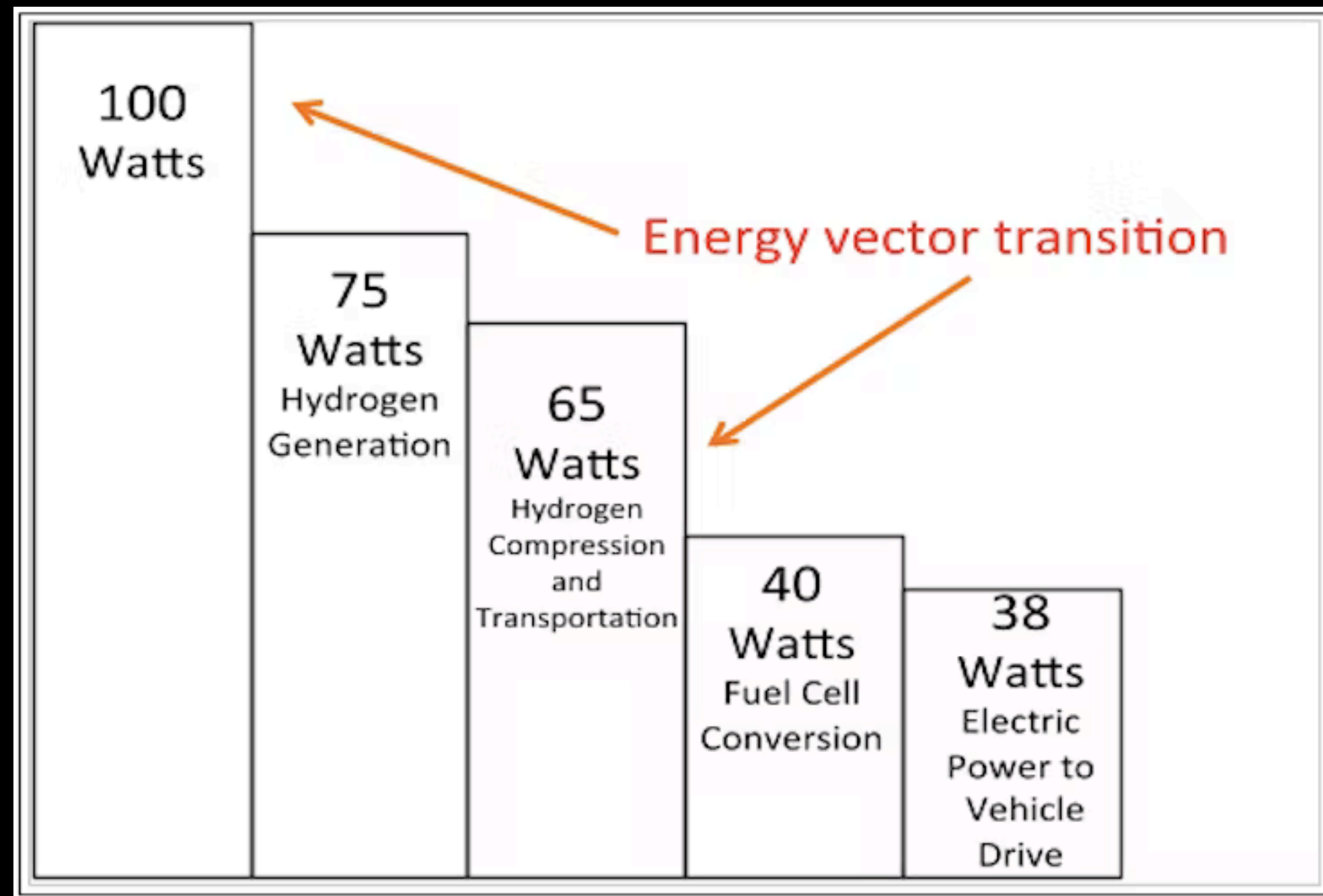
Hongtao Hao, Feb. 16, 2023

Battery electric cars v.s. FCEVs

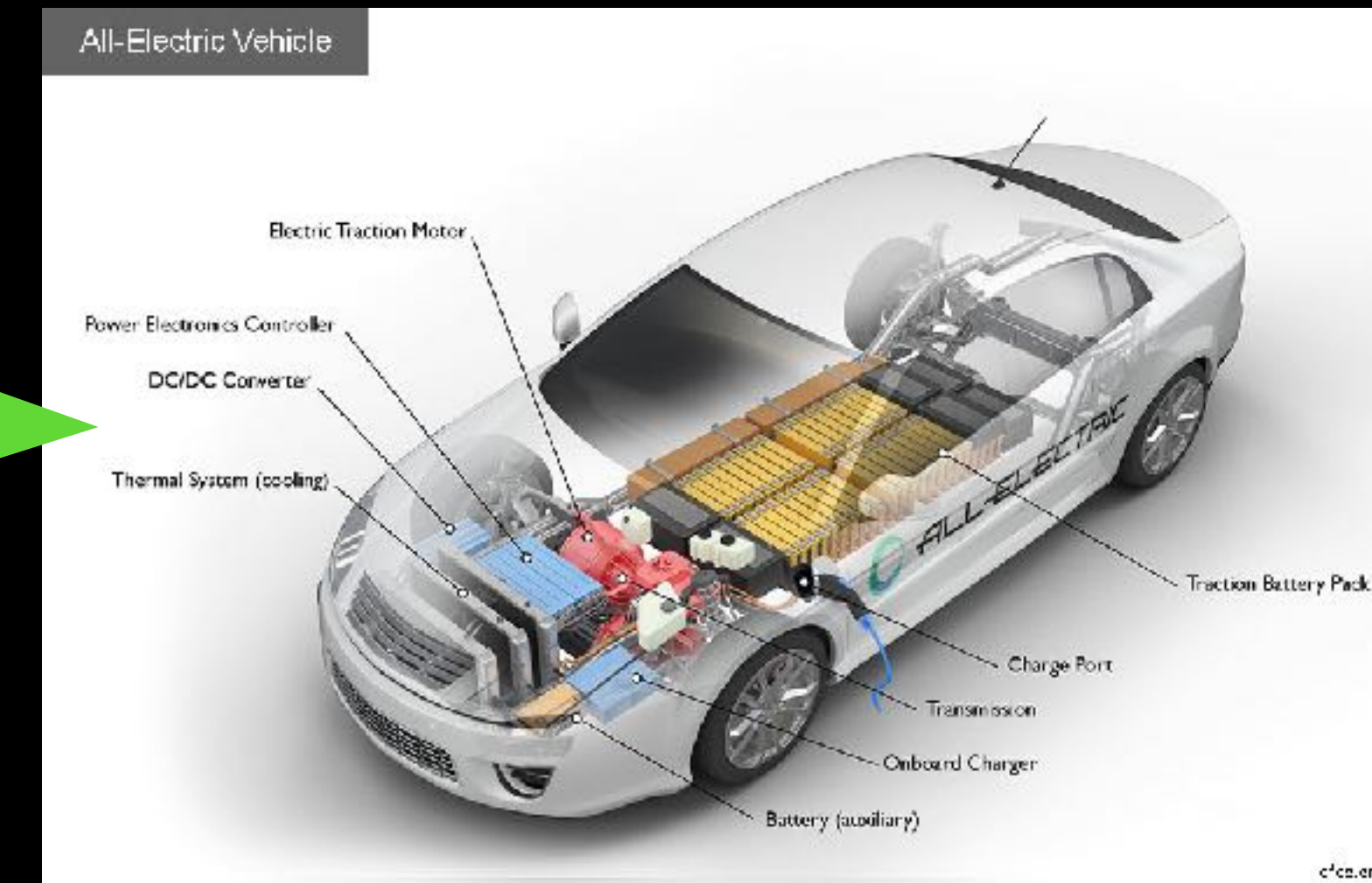
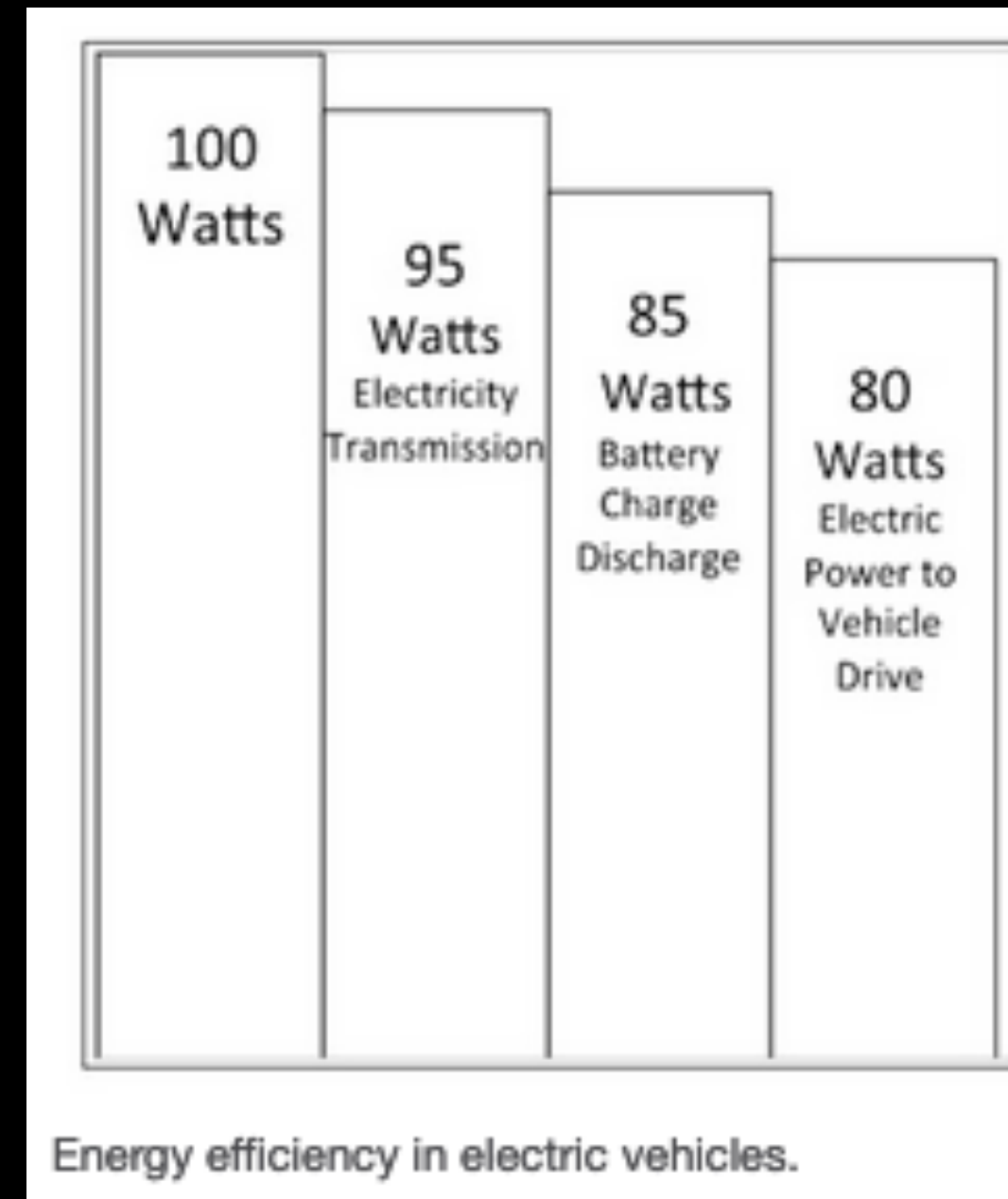
- Battery electric cars: lithium-ion battery
- Hydrogen fuel cell electric vehicles (FCEVs):
 - Hydrogen stored in high pressure in car's tank
 - Released into "fuel cell"
 - An anode (-) and cathode (+) split hydrogen molecules into protons (-> water) and electrons (-> electricity)



Hydrogen less energy efficient



Battery electric cars



References

- 1st image: <https://www.freep.com/story/money/cars/general-motors/2020/07/31/gm-fast-charging-stations-electric-vehicles/5553468002/>
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