

Review of: "Longevity of Electric Vehicle Operations"

Mats Zackrisson¹

¹ RISE Research Institutes of Sweden

Potential competing interests: No potential competing interests to declare.

This is a nice article but I expected to read something about how long you could expect different batteries to last, so maybe rethink the title. Some detailed advice is:

I. Start the introduction with the last paragraph. Now the reader gets the first impression that this article is (only) about charging infrastructure.

II. 4th paragraph. Solid state batteries are not that much associated with less reliance on critical materials. Lithium Iron Phosphate or Lithium Sulphur are better examples of chemistries using less of critical materials.

IV. Second paragraph. Also home charging is subsidized in some countries, Sweden for example

V. Last paragraph. So good that you bring up noise pollution. This is a great EV advantage in urban environments, but rarely highlighted

VI. Just as you write in the middle of the second paragraph, EVs have zero tailpipe emissions. Stick to that. Zero is zero, not small, not little, zero.

VI. Comparing V with VI, the only new you bring up is recycling. Why not write something about social aspects, like availability of charging infrastructure in poor areas and availability of affordable EVs. I think you have some good examples of that in India, whereas in the Western economies, the battery size and prize of EVs keep increasing.