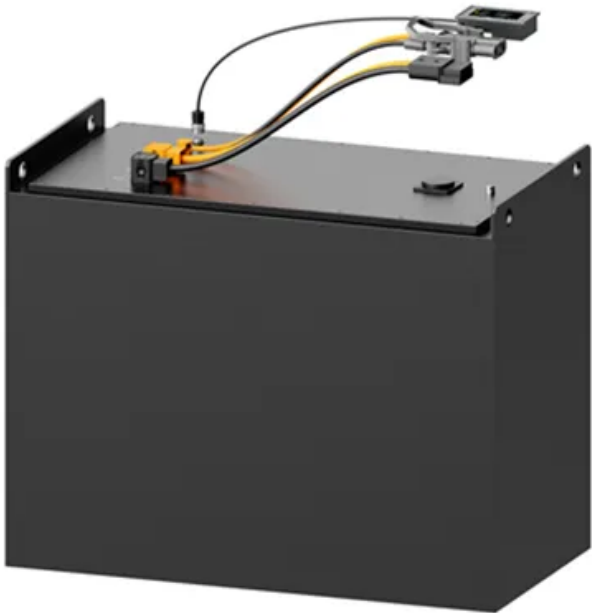


# Is it okay to install photovoltaic panels on top of the highway



## Overview

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According to a study published in *Earth's Future*, covering the world's highways with solar panel roofs could significantly reduce carbon dioxide emissions and traffic accidents. (Image courtesy of Alex Kalinin, Unsplash) By Kayt Sukel While taking the bus home from work one day, Hou Jiang, Ph. This study, which assessed the costs and benefits of installing solar roofs over global highways, suggests that such a move could cut carbon emissions by. Placement of photovoltaic roofs on the main highways worldwide has the potential to utilise existing land and produce 17,578 terawatt-hours annually, which is over four times the yearly energy output of the United States. What once felt like science fiction has become a reality, as solar has delivered on its promises for clean energy efficiency and reliability. The expansion of. While panels are typically installed on rooftops or large plots of land, some in the industry think that roads and highways are also suitable places for solar panels. Solar roadways have integrated solar cells generating power from the sun.

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WASHINGTON -- Covering the world's highways with solar panel roofs could dramatically reduce carbon dioxide emissions and road accidents, according to new research.



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Legislation by state Sen. Josh Becker (D-Menlo Park) would do just that, by requiring state transportation officials to develop a plan to install solar panels along underutilized

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Engineers must take much into consideration before implementing highway solar roofs, including the following: Assess whether the roads can withstand the added load capacity of PVs. ...



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