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That's where the concept of a "shared circular business model based blockchain-enabled dynamic agrivoltaic farm" comes in. This innovative approach combines the principles of circular economy and blockchain technology to create a more sustainable and efficient agrivoltaic system.

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Agrivoltaics, or agrivoltaic farming systems, is a dual use land technique where solar panels and agriculture can share space rather than compete for it, offering a win-win solution for farming and clean energy. The systems grow crops underneath solar panels, which allows farmers to maintain at least 80% of the land's yield.

Agrivoltaics is co-developing the same area of land for solar energy as well as for agriculture. This new farming method combines Solar electricity generation with traditional farming on a common agricultural land i.e. An RE based system like Solar Photovoltaic system and a cropland can be together developed on the same agricultural land.

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The goal of the paper is to provide a comprehensive review of agrivoltaic systems that could be a reference for improvements in future work by discussing the current advantages and disadvantages of these systems on agricultural lands, thus improving the design of ground-mounted solar panels and creating stable designs that will help in adding ...

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