

Sophia solar panel battery





Overview

What is Sophia & how does it work?

SOPHIA is an EU-funded Horizon Europe project that aims to implement advanced digital solutions in end-of-life solar panels, involving the full value chain in order to increase their current reuse, repair and recycling rates. The end goal is to foster a more circular, innovative and competitive Europe. The project will focus on:

What is Sophia Project?

New developments and trends in plastics recycling. The SOPHIA project aims to increase the current reuse, repair and recycling rates of end-of-life solar panels.

How will Sophia impact the solar industry?

In the long term, an eco-designed and easy dismantling solar panel will be developed as prototype. It is expected that in the eco-design practice fully sustainable PV industry. Additionally, SOPHIA will contribute to the generation of new markets around the photovoltaic sector across Europe.

How can Sophia improve the health of solar panels?

One of SOPHIA's great contributions is the creation of a prototype that allows analyzing the state of health (SoH) of solar panels. Thanks to this system, it's possible to evaluate efficiency, detect dark areas or structural damage, and decide whether the panel should be repaired or recycled.



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SOPHIA

The SOPHIA project - Implementation of Advanced Digital Solutions to increase the circularity of PV panels throughout the full value chain - is an EU-funded Horizon Europe project that aims ...

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SOPHIA: New EU project to implement ...

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SOPHIA: Advanced Digital Solutions to ...

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SOPHIA

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Implementation of Advanced Digital Solutions to increase ...

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SOPHIA and the future of solar panel recycling in Europe

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SOPHIA and the future of solar panel ...

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photovoltaic sector. The SOPHIA project, coordinated ...

SOPHIA project: increasing the reuse, repair and recycling ...

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Project Sophia: Towards a Circular Future for Solar Panels

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