

# EU solar Module Project



## Overview

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The APOLLO project is co-funded by the European Union, the Swiss State Secretariat for Education, Research and Innovation (SERI), and UK Research and Innovation (UKRI). 3 million, the project supports innovative solutions for photovoltaic (PV) recycling . This tracker monitors Horizon Europe's financial contribution to the development of digital technologies and the digitisation of the economy and society (known as 'Digital transition'). 3Sun Gigafactory combines research and innovation to produce new-generation photovoltaic modules that support the Enel Group in guaranteeing clean and . The EU saved 111. As volatile gas prices rise and solar deployment continues, the savings from avoided fossil fuel imports can grow. SolarPower Europe is the award-winning link . 70% plus eco-efficiency gains in the PV End-of-Life supply chain by closed loop systems with enhanced recycling rates, systematic collection and management utilising digital twins. 19 project partners from . 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 to implement Advanced Digital Solutions in end-of-life PV panels, involving the full value chain in order to . The European solar market is shifting its strategic focus from solely deploying large-scale PV farms to establishing technological sovereignty through next-generation perovskite-on-silicon cells, fundamentally altering the competitive landscape. This pivot from a scale-driven to a technology-driven .

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### European Union

The project aims to establish a new photovoltaic (PV) module production factory in Italy, specialising in n-Type and xBC (Back Contact) technologies developed in-house.

### SOPHIA Project

Develop a prototype for a new eco-designed and easy dismantling PV panel using tailor-made debonding on-demand adhesives. Create a digital platform to implement Digital Product Passport



### ALTERNATIVE PROCESSES AND EQUIPMENT FOR ADVANCED

To tackle these challenges, the EU-funded EMPOWER project will develop tools and processes to transform PV manufacturing. By simplifying silicon wafer production, reducing silver

### EU 30GW solar module manufacturing target is 'achievable'

A study by Fraunhofer ISE, and commissioned by trade body SolarPower Europe (SPE), has concluded that reaching the EU's solar module manufacturing target of 30GW per year is both





## [A Proactive Approach to the Recovery and Recycling of Photovoltaic Modules](#)

The APOLLO project aims to establish a circular approach to the recycling and reusing of photovoltaic (PV) materials. Our goal is to enable efficient recovery of high-quality materials suitable for future

## European Solar 2026: The Perovskite Revolution Begins

In 2026, European solar shifts to high-efficiency perovskite manufacturing. See how this tech upends project economics & creates new opportunities. Get the analysis now.



## Projects

Holosolis announced Europe's largest PV module gigafactory, to be built in Moselle, France. Aiming to accelerate Europe's solar PV manufacturing capabilities to ensure continental energy security, the

## [EU policies could cut cost gap between European and Chinese solar modules](#)

A report by SolarPower Europe and Fraunhofer ISE finds EU-made solar modules cost EUR0.103 (\$0.12)/W more than Chinese imports, but targeted policies could close the gap and help



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