
Western Europe High Efficiency solar Module Project

Could EU-funded solar technology boost a switch to solar energy?

An EU-funded project has developed a European version of high-efficiency, next-generation solar technology and a low-cost manufacturing process. The innovative solar cells could boost a switch to solar energy and recharge European solar-panel production.

Are solar panels made in Europe?

Solar cells and panels, or modules, are central to Europe's commitment to using renewable energy to meet up to a third of its energy needs by 2030. But while the energy will be home produced, almost none of the necessary hardware is made in Europe. Most mass-produced cells and modules are from China, Taiwan and Malaysia, according to an EU report.

Where is Europe's largest PV module Gigafactory located?

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 new production site will see the capacity of Europe's current largest factory bested by almost 70%.

Will Europe have its own IBC solar technology?

Europe is now closer to having its own version of this technology. The EU-funded NEXTBASE project has developed highly efficient IBC solar cells in the silicon heterojunction configuration (IBC-SHJ). The NEXTBASE cells can convert 25.4 % of the solar energy they capture into power.

The project "HOPE" (High-efficiency Onshore PV module production in Europe) is now eligible for funding. Project HOPE involves the construction of an additional 3.5 gigawatts ...

Mr. Frank Niendorf, General Manager of JinkoSolar Europe, commented, "Rapidly expanding green energy production in Germany and Europe is the only way forward to ...

Athens, 31st of July 2025 - LONGi, global leader in solar technology is proud to announce the completion of module supply for a monumental 550 MW PV plant project in the old lignite ...

HJT (Heterojunction) modules are a premium, ultra-high-efficiency solar technology. Their uniqueness lies in a hybrid cell structure that combines a high-purity N-type crystalline silicon ...

DAS Solar has announced a new cooperation with Hungarian renewable energy company Tiszta Energiák Kft., providing high-performance photovoltaic modules for an upcoming 18 MW ...

South Africa, September 30th, 2024 - Seraphim New Energy (Pty) Ltd. ("Seraphim"), a leading global solar module manufacturer, has signed an agreement to supply 40.50MW of high ...

The European HERCULES project targets the development of the next generation of photovoltaics in Europe in developing high efficiency solar cells and modules to reach a ...

The EU-funded Laperitivo project, focused on manufacturing large-area stable perovskite solar modules, began earlier this month. At the launch meeting in Genk, Belgium, ...

LONGi, the world's leading solar technology company, has officially signed a 100MW photovoltaic module supply agreement with Rinergy Europe SARL during Intersolar ...

The HERCULES project is articulated around two main n-type solar cell technologies regarding the second generation of high efficiency crystalline silicon solar cells and modules: ...

The ALMM List-II recognition builds on Waaree's existing presence in ALMM List-I for solar modules and underscores the company's sustained investments in advanced ...

Italy's Budget Law 2026 limits solar tax incentives to EU-made modules and cells Only high-efficiency EU modules - above 21.5% or 23.5% cell efficiency - qualify for ...

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