

What is Solarpower Europe?

SolarPower Europe is the award-winning link between policymakers and the solar PV value chain. Get to know the SolarPower Europe team working to transform the European energy system. Get to know everything about solar power. Interested in joining SolarPower Europe? Become a member! Solar For Europe!

How much solar energy does the EU generate?

In 2024, 46.9% of the electricity generated in the EU came from renewables and 22.% of it came from solar energy (Eurostat, March 2025). The EU solar generation capacity keeps increasing and reached, according to SolarPower Europe, an estimated 338 GW in 2024. The EU has long been a front-runner in the roll-out of solar energy.

Is solar a good source of energy in the EU?

Solar is the fastest growing energy source in the EU and is cheap, clean and flexible. The cost of solar power decreased by 82% between 2010-2020, making it the most competitive source of electricity in many parts of the EU.

What is the EU doing with solar energy?

The EU funds many solar cell projects, such as the PERTPV project, in which perovskite-based materials were used to build a new type of solar cell. Photovoltaic technology is becoming more widely used worldwide. Year after year, photovoltaics make up a bigger share of the EU's energy mix.

How can the EU boost solar energy?

EU measures to boost solar energy include making the installation of solar panels on the rooftops of new buildings obligatory within a specific timeframe, streamlining permitting procedures for renewable energy projects, improving the skills base in the solar sector and boosting the EU's capacity to manufacture photovoltaic panels.

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For solar to become an even more important source of clean energy in Europe, generation costs need to be lowered and the efficiency of converting sunlight to energy improved. Research ...

Solar in Europe has offered a concrete way to directly participate in the renewables-led energy system that provides competitive, affordable, secure energy - and ...

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Brussels, BELGIUM (Monday 19th December 2022): In a seismic shift for the energy landscape, the European Union added a record-breaking 41.4 GW of solar power in ...

In absolute terms, the EU is expected to add 401 GW new solar between 2024 and 2028, which will bring up the total installed PV capacity to 671 GW by the end of 2028, according to the ...

The EU Solar Standard puts the power in citizens' hands and will enshrine the energy transition into the places where we sleep, work, and live. As the grid catches up to the ...

When it comes to solar power per capita, Europe's long-time solar leader, Germany, does not hold the first position. For the second year in a row, the Netherlands ranks first, reaching the ...

Yesterday, on the 15th of April, Energy Ministers from 23 EU countries, along with industry representatives from the European solar sector, came together to sign the EU Solar Charter ([here](#)). The signing ceremony took ...

Furthermore, the solar energy sector in Europe lacks skilled workers, and the energy storage and conversion rate are also in need of improvement. Lastly, as pointed out in ...

Solar energy, in particular photovoltaics (PV), is currently the fastest growing renewable energy source in the EU. Last year, 56 GW of solar PV were installed in the EU, two thirds of it on rooftops, empowering consumers ...

EUROSOLAR awards the most innovative renewable energy projects of Europe-wide and global importance: our planet needs your successful ideas and innovations. "The European Solar Prize celebrates living, resilience and ...

SolarPower Europe's annual EU Market Outlook helps policy stakeholders in delivering solar PV's immense potential to meet the EU's 2030 renewable energy targets. Produced with the ...

In 2024 the EU broke its own solar PV installation record with over 66 GW, making it the best year in European solar history. With profound technological advances decreasing the cost of solar ...

The Europe Solar Energy Market report is valuable for diverse stakeholders, including: Investors: Provides insights for investment decisions pertaining to market growth, companies, or industry ...

A new EU Solar Skills Partnership, which should be part of a larger scale skills partnership for onshore renewable energy. The partnership, still to be operationalised, will develop a clear ...

The production volume of electricity from solar photovoltaic power in the European Union has been steadily increasing in the last years. In 2023, the EU's solar PV power ...

SolarPower Europe's annual award-winning Global Market Outlook for Solar Power is the most authoritative market analysis report for the global solar power sector.. With comprehensive ...

EU power sector emissions fell a record 19% (-157 million tonnes of carbon dioxide equivalent) in 2023. ... 23% in 2022. This drove renewable electricity to a record high of 44%, passing the 40% mark for the first year in ...

Europe's solar industry should be basking in sunshine. Solar is central to the EU's hopes to generate 45 per cent of its electricity from renewable sources by 2030.

Developers deployed 65.5 GW of solar across the European Union in 2024, according to SolarPower Europe's "EU Market Outlook for Solar Power 2024-2028.". The figure reflects 4% annual growth ...

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