

Why is solar energy important in the EU?

Reducing the EU's dependence on fossil fuels, solar energy plays a key role in both the clean energy transition and the REPowerEU plan. Solar energy technologies convert sunlight into energy, either as electricity (photovoltaics and concentrated solar power) or in the form of solar heat. Solar is the fastest growing energy source in the EU.

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!

Why is solar energy so popular in Europe?

Solar energy 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. The EU solar generation capacity keeps increasing and reached, according to SolarPower Europe, an estimated 259.99 GW in 2023.

Is solar power a competitive source of electricity in the EU?

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How much solar power does the EU have in 2023?

The EU solar generation capacity keeps increasing and reached, according to SolarPower Europe, an estimated 259.99 GW in 2023. The EU has long been a front-runner in the roll-out of solar energy. Under the European Green Deal and the REPowerEU plan, solar power is a building block of the EU's transition to cleaner energy.

What is the EU solar energy strategy?

As part of the REPowerEU plan, the Commission adopted in May 2022 an EU solar energy strategy, which identifies remaining barriers and challenges in the solar energy sector and outlines initiatives to overcome

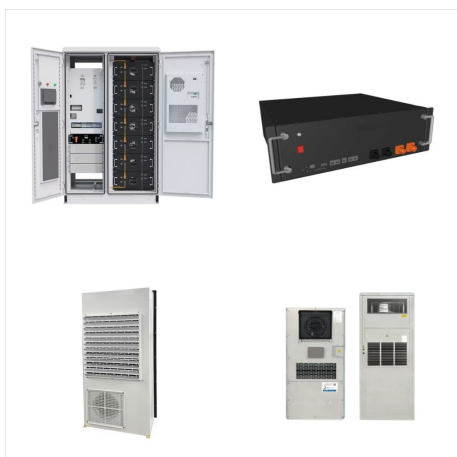
them and accelerate the deployment of solar technologies.



With 26 of 27 EU Member States having submitted their National Energy and Climate Plans, by weighted average, solar targets have increased by 87% compared to previous solar goals. Lithuania and Ireland stand out by multiplying their respective targets by more than 5 and 10 respectively.



Solar energy is the conversion of sunlight into usable energy forms. Solar photovoltaics (PV), solar thermal electricity and solar heating and cooling are well established solar technologies. In May 2022 the European Commission proposed to increase the European Union's renewable energy target for 2030 to 45% as part of the REPowerEU Plan



The EU solar energy strategy aims at helping unlock solar energy's potential in contribution to the European Green Deal objectives, including its key role to achieve climate and energy targets. It will analyse the state of play of solar energy across the EU, identify barriers and propose measures to accelerate



With the war-induced energy crisis, EU plans became even more ambitious. The Solar Energy Strategy published in May last year set out new targets: additional capacity of 400 GW DC by 2025 and nearly 750 GW DC by 2030. This means more than doubling EU capacity by 2025, from 170GW DC in 2020, as well as meeting the Green Deal's already challenging targets.



and 2022, ESMC have provided input to the European Commission in the forming of the EU Strategy on Solar Energy. Ahead of the formation of the European Commission for the 2024-2029 mandate the ESMC reached out to the President of the European Commission Ursula von der Leyen to position the EU PV manufacturing among the priorities



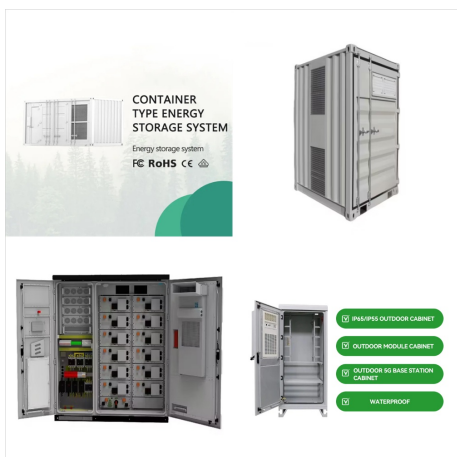
Solar energy works by converting light energy (photons) from the sun into electricity, mainly through photovoltaic (PV) panels. The EU Solar Jobs Report 2024 contains an updated forecast for the EU solar job market in 2024 and projections of the evolution of the EU solar workforce until 2028.



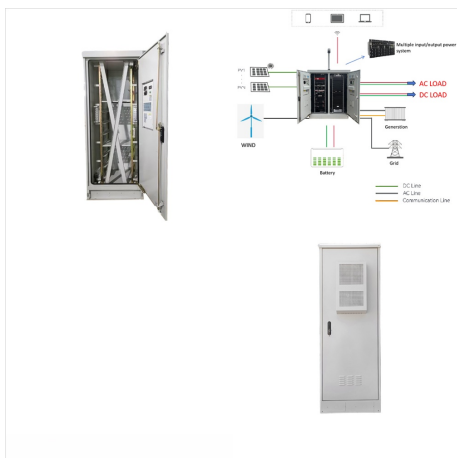
Solar delivered for the energy crisis, The total EU solar fleet now amounts to 263 GW, up 27% from the 207 GW in 2022. Walburga Hemetsberger, CEO of SolarPower Europe said; "Solar has continued to deliver for Europe in crisis with record-breaking installations. Now as solar hits its own turning point, Europe must deliver for solar.



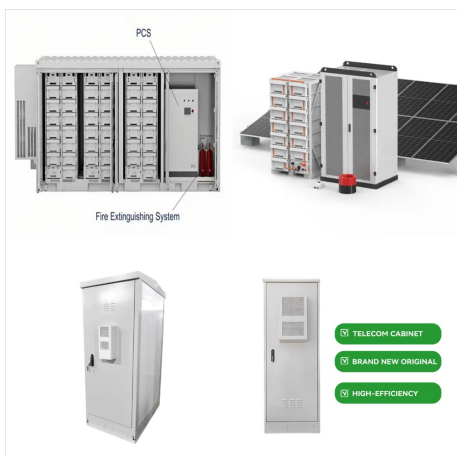
European Solar Rooftops Initiative. According to some estimates, rooftop PV could provide almost 25% of the EU's electricity consumption 8 - this is more than the share of natural gas today. These installations ??? on residential, public, commercial and industrial roofs ??? can shield consumers from high energy prices, contributing to public acceptance of renewable ???



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 support of our members and national solar association, the outlook demonstrates how solar energy can, and will, be the engine that drives the European Green Deal.



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In the short-term, we can accelerate existing projects already in the pipeline to ensure completion by end of 2022, identify go-to areas for additional solar & storage projects, and set a clear EU-level target for 100 GW of solar PV deployment per year from 2025.. In the medium-term, we should develop scientific evidence & citizen awareness of the benefits of ???



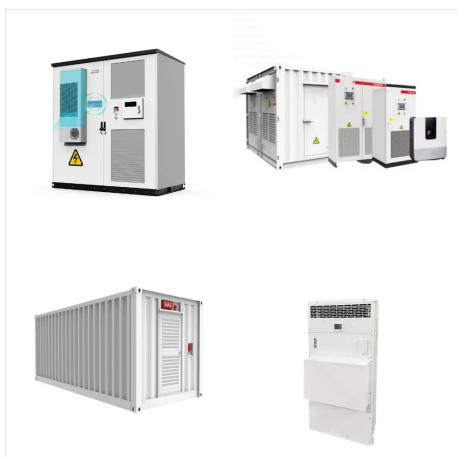
The European Commission has launched a public consultation on solar energy in the EU, as part of the preparation of a new strategy on solar energy, due for publication later this year the context of the Commission's proposal to double the share of renewables to 40% by 2030 (in the revision of the Renewable Energy Directive presented in July 2021), the ???



EU-SOLARIS ERIC is the partner delivering trans-national access to outstanding concentrating solar power R& D facilities. Read more. The latest volume of the Newsletter of the International Energy Agency Solar Heating and Cooling Programme (Vol. 77, July 2023) includes an article regarding EU-SOLARIS ERIC.



Discover our 8 actions to solar power EU energy independence Following on from their "toolbox" on high energy prices in 2021, today the European Commission set out a highly anticipated RePower EU Communication that seeks to address the dual energy security and price challenges facing Europe right now. As Europe stands in solidarity with the



of installed solar photovoltaic (PV) capacity as set out in the European Union's Solar Energy Strategy (European Commission, 2022 a) ??? up from around 263 GW today 2 See SolarPower Europe press release of 12 December 2023, "New report: EU solar reaches record heights of 56 GW in 2023 but warns of clouds on the horizon", <https://>



Examples of "Save Energy" Actions in EU countries. 26 EU countries have included investments in energy efficiency in their Recovery and Resilience Plans (RRPs).. France supports the energy renovation of 1 750 000 households, 40 000 social housing units, and 5 000 small and very small enterprises. It further supports the thermal renovation of over 6 750 public-sites, over 28 ???



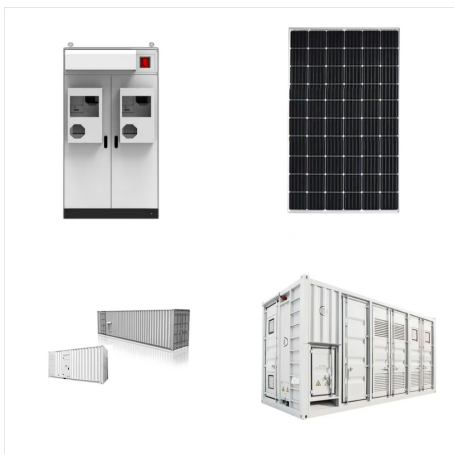
Welcome to the 42nd European Photovoltaic Solar Energy Conference and Exhibition. The innovation platform for the global PV solar sector. The EU PVSEC is the largest international Conference for Photovoltaic research, technologies and applications and at the same time a PV Industry Exhibition, where specialized PV Industry presents technologies



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According to the European Commission, solar energy has a potential to become part of the mainstream energy system by providing power and heat to households and industry. The strategy puts forward a target of over 320 GW of newly installed solar photovoltaic capacity by 2025, and almost 600 GW by 2030.



Currently, the EU imports most of the solar energy products it installs. In 2020, it purchased ???8 billion of PV panels, 75% coming from China, where most of the global manufacturing industry concentrates. Upscaling the manufacturing of solar technologies in the EU is therefore key for a competitive expansion of solar energy production.



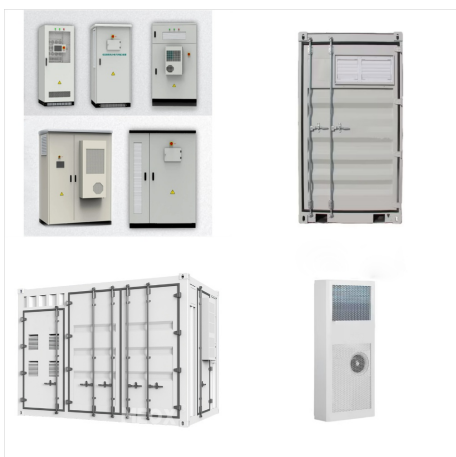
The EU solar energy strategy proposed under the REPowerEU plan aims to make solar energy a cornerstone of the EU energy system. Boosting renewable energy is also an important part of the European Green Deal in the context of the green transition towards climate neutrality. Solar energy is affordable, clean and has been the fastest-growing



EUROSOLAR ??? Europ?ische Vereinigung f?r Erneuerbare Energien e.V. Dear friends of EUROSOLAR, for more than 30 years, EUROSOLAR has been paving the way to the solar age and sees itself as an independent voice to ensure that the transition to renewable energies succeeds in a citizen-oriented and decentralized manner.



These job opportunities can't be taken for granted. We urge the new EU leadership to improve regulatory conditions to add more solar, support EU solar manufacturers, and develop Europe's strategy around solar skills." The annual EU Solar Jobs Report has revised last year's projection that the EU would reach 1 million solar jobs by 2025.



The halving of solar panel prices over the past two years facilitated the installation in the European Union of a record 56 gigawatts of solar capacity in 2023 ??? a 40% year-on-year increase and more than total electricity consumption in Denmark. This surge is a critical step towards meeting the EU's solar deployment goals and has reduced reliance on imported fossil ???



The Commission is today stepping up its efforts to support the solar sector in Europe through the European Solar Charter. Signed today in the margins of the informal Energy Council meeting by the Commission ??? represented by EU Commissioner for Energy Kadri Simson - energy ministers from 23 EU countries and industry representatives, the charter sets out a ???