

Luxembourg solar energy market

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In 2023, Luxembourg's cumulative solar photovoltaic capacity amounted to some 404 megawatts. This figure represents an increase of roughly 27.4 percent in comparison to the previous year. The solar PV cumulative capacity in the European country has seen a continual annual growth since 2017.

Swiss consulting firm Pexapark says European developers have signed 24 power purchase agreements (PPAs) totaling 1,196 MW in July, with a 27% month-on-month increase in capacity, led by solar deals such as Europe's largest decentralized solar PPA in France.

A call for the EU's second cross-border renewables tender has gone out and will remain open until March 4, 2025. Luxembourg is providing EUR52.4 million (\$56.7 million), while Finland and Estonia have committed to installing solar and onshore wind on their territories.

The Luxembourg-based manufacturer said the new product can reach flow temperatures of up to 72 C and achieve a seasonal coefficient of performance (SCOP) of up to 5.7.

The first tender under the European Union's new EUR40 million (\$41.8 million) multilateral solar scheme - targeting 5 MW to 100 MW projects based in Finland and providing energy to Luxembourg - has been oversubscribed; with bids "significantly exceeding target volumes", the European Commission's Directorate-General for Energy recently announced.

Luxembourg has kicked off its second tender for C& I solar projects ranging in size from 30 kW to 5 MW. It is offering rebates of up to EUR745 (\$835) per kilowatt installed and up to 55% of the total cost of buying and installing systems.

Luxembourg's Socom and Belgium's Evocells have announced plans to merge. The new company, Solarcells, will open a 50 MW solar panel factory in Luxembourg by the end of this year, with plans to potentially double its annual output by 2026.

New research highlights the crucial role of R& D in improving solar cell efficiency. The researchers discovered that it is theoretically possible to measure the promise of new solar cell technologies at any stage of development.

The latest numbers released by EU data body Eurostat indicate renewables, including hydropower, contributed

37% of Europe's gross electricity consumption in 2020, up from 34% a year earlier.

German renewable energy company Enovos and Luxembourg-based steelmaker ArcelorMittal have announced the inauguration of Luxembourg's first floating PV plant. The facility was deployed with 25,000 solar modules on a former cooling pond owned by the steel manufacturer's unit ArcelorMittal Differdange, which operates an electric steel plant in the homonymous municipality in Luxembourg. The project was [...]

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