



Solar power in Madrid





Overview

Swiss project developer Edisun Power Europe is now developing three large solar parks near the capital, with almost one gigawatt of solar power. Madrid is preparing to host one of the largest solar power plants in Spain: it will be a turning point in the region's energy sector. The new photovoltaic plant that. The three projects have grid access, connection rights granted, an environmental licence (DIA) and an interim administrative permit (AAP). Edisun cited the additional electricity demand from artificial intelligence and the increasingly stringent European regulations for the low-emission. Spanish solar power firm EiDF (BME:EIDF) has acquired ten photovoltaic projects in the Community of Madrid for over EUR 6. 44m), adding nearly 63 MW of future capacity to its portfolio.



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[Edisun plans to supply AI-driven data centers with power from 941MW](#)

European solar power producer Edisun Power plans to direct power from its 941MW Fuencarral solar power plant in Madrid to data centers in the region.

[Construction commences on AS Madrid-Barajas Photovoltaic Solar ...](#)

Construction work on the AS Madrid-Barajas Photovoltaic Solar Plant 142.42 MW located in Madrid, Spain commenced in the third quarter of 2024



[Madrid to get massive solar farm for AI datacentres](#)

Swiss energy company Edisun has announced plans to build a 941MW solar park northwest of Madrid to provide power for AI datacentres.

Capital Energy

We initiated the procedures to build the first two large parks in Madrid, which would multiply by six the installed capacity of solar energy in the community.



[Spain's EiDF buys close to 63 MW of solar projects in Madrid](#)

Spanish solar power firm EiDF (BME:EIDF) has acquired ten photovoltaic projects in the Community of Madrid for over EUR 6.2 million (USD 6.44m), adding nearly 63 MW of future capacity ...



[Madrid is preparing to host one of the largest solar power plants in](#)

Smartenergy, a Swiss multinational specialized in renewable energies, intends to build one of the largest photovoltaic plants in Spain between Toledo and Madrid.



[Development of a solar energy plant for self-sustained power ...](#)

IFEMA MADRID has begun construction on a new solar energy plant at its Recinto Ferial, set to become one of the largest urban self-consumption plants without surpluses. The facility ...



[Edisun Power builds three large solar](#)



[parks in the Madrid area](#)

The Madrid region has the highest energy consumption in Spain. So, the demand for solar power is therefore huge. Swiss project developer Edisun Power Europe is now developing ...



[Edisun Power builds 941-megawatt solar power plant in Madrid](#)

Renewable energy producer Edisun Power is building a large solar plant with a capacity of 941 MWp in the Madrid region, and which will be used exclusively to supply electricity to data centres.

[25 Top Renewable Energy Companies in Madrid · January 2026](#)

Detailed info and reviews on 25 top Renewable Energy companies and startups in Madrid in 2026. Get the latest updates on their products, jobs, funding, investors, founders and more.





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