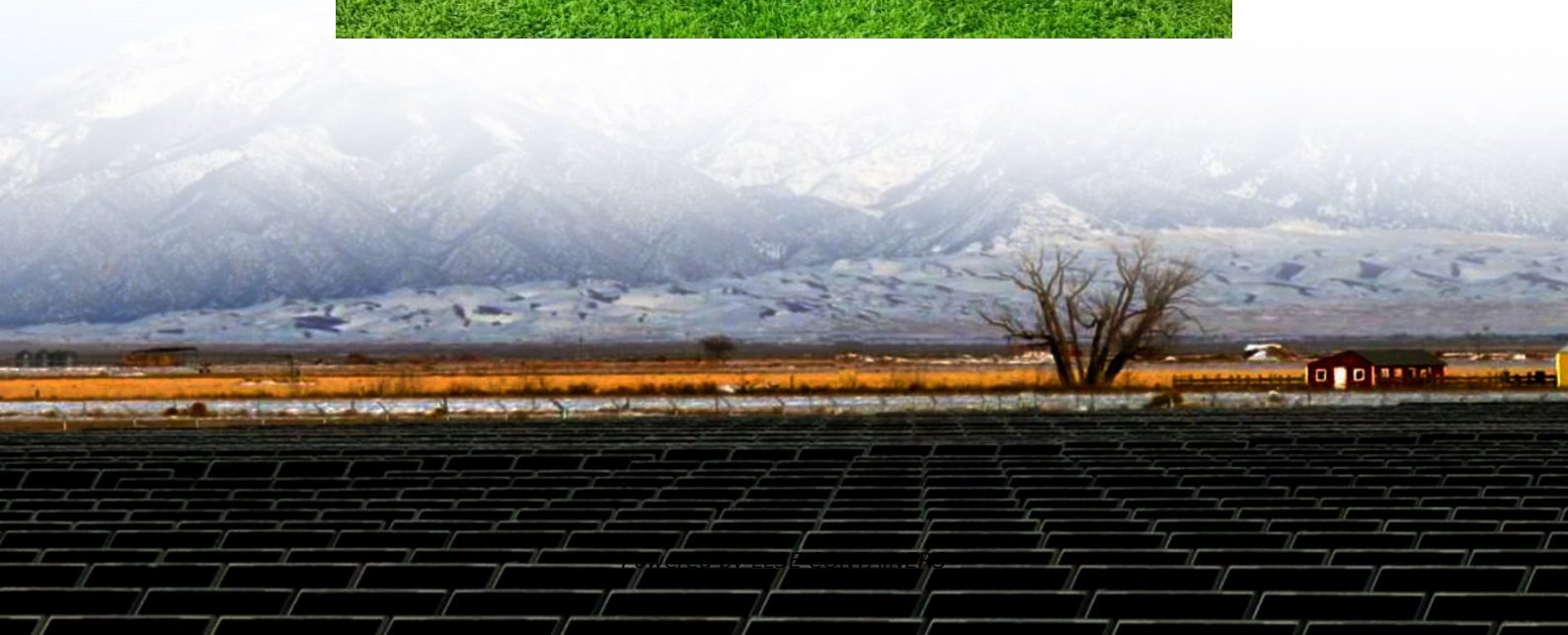


Brasilia s new solar panels





Overview

Is Brazil embracing solar energy?

Brazil isn't just embracing solar energy—it's revolutionizing its potential in the global energy sector. As we count down to the Solar World Congress 2025 in Fortaleza, let's dive into Brazil's solar energy history. Fifteen years ago, no one could have imagined that Brazil would become one of the world's largest powers in photovoltaic solar energy.

Does Brazil have a potential for photovoltaic energy?

During the era of isolated systems, some companies began to recognize Brazil's potential for photovoltaic generation. But it wasn't only the private sector that became interested in this source—the public sector also began seriously considering the possibility of expanding the electricity matrix with photovoltaic solar energy.

Does Brazil have a 'distributed' solar system?

Allied to this, in 2012 the country gave its authorisation for “distributed” generation – the production of energy on a smaller scale, close to the point of consumption. This format now accounts for almost 70% of solar energy in Brazil, and is the main driver of solar's growth in the country.

Are solar power plants a problem in north-eastern Brazil?

Many communities in north-eastern Brazil live close to solar power plants but lack connections to the grid, meaning they cannot access the electricity generated by such facilities (Image: Alan Santos, Palácio do Planalto, CC BY)



Brasilia s new solar panels



[Solar Energy in Brazil: The Next Powerhouse , ISES](#)

Feb 19, 2025 · The abundant solar irradiation in the Amazon region makes it an ideal location for photovoltaic systems, whether in the form of solar home systems or microgrids, which can ...

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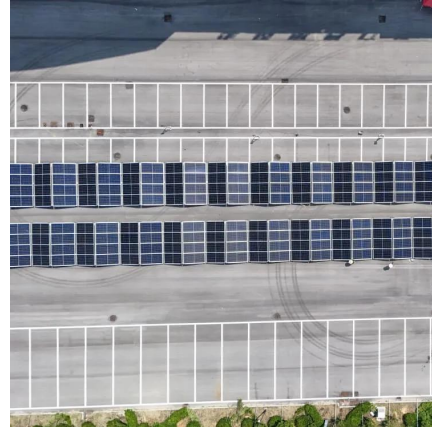
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[Brazil's Solar Boom: A Bright Response to Energy Crisis](#)

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[Brazil to add 19.2 GW of solar capacity in 2025](#)

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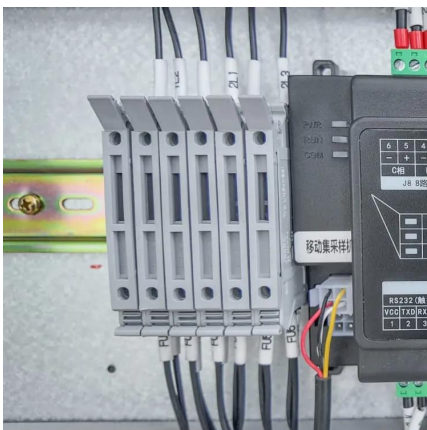
[Solar Energy in Brazil: From Opportunity to a 55 GW Reality](#)

2 days ago · Solar energy in Brazil surpassed the 55 GW milestone in March 2025, more than doubling its photovoltaic (PV) count in the last few years.



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