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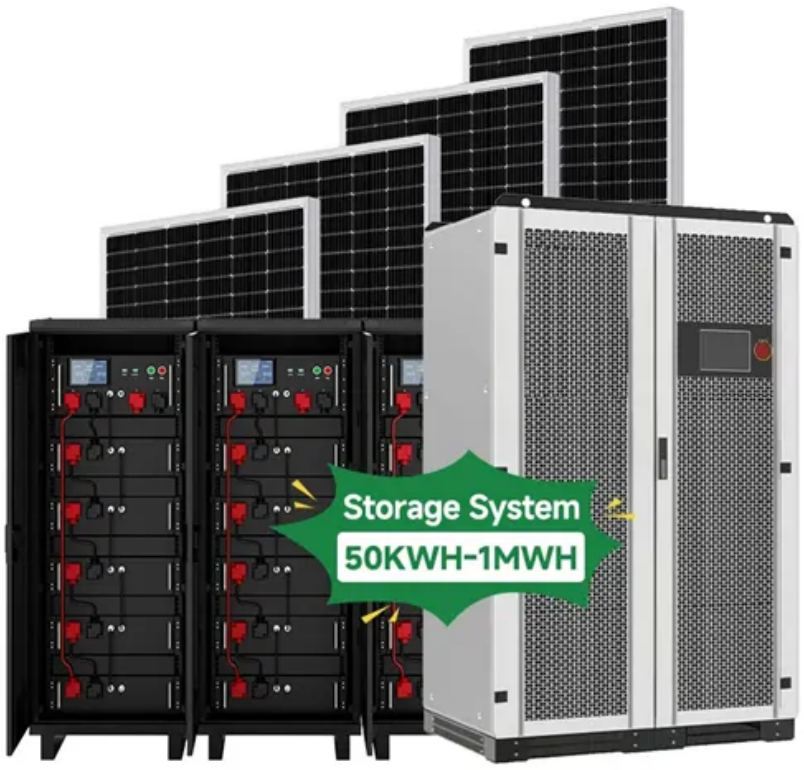
Solar energy storage on Brazilian islands



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.

When did photovoltaic installation start in Brazil?

The first grid-connected, building-integrated photovoltaic (BIPV) installation in Brazil in Florianópolis (27°S, 48° W). The photovoltaic (PV) installation has an installed power of 2.078 kWp and started operating in 1997. Moving into the 2010s, Brazil saw a movement that would gain increasing momentum.

Why should you attend the Solar World Congress 2025 in Brazil?

Given this landscape of opportunities and challenges, the Solar World Congress 2025 in Brazil is particularly timely. The congress serves as a key international platform for discussing solar energy advancements and challenges.

Does Brazil have a power system?

Despite Brazil’s Integrated National Power System covering most of the country, isolated regions, such as the Amazon, rely on isolated power systems heavily dependent on fossil fuels, predominantly diesel generators. These

systems are not only costly but also contribute significantly to greenhouse gas emissions.

What initiatives have been made in Brazil?

Some initiatives deserve mention, such as the creation of the Photovoltaic Sector Group of the Brazilian Association of Electric and Electronic Industry (ABINEE), the Brazilian Photovoltaic Solar Energy Association (ABSOLAR), and the Brazilian Distributed Generation Association (ABGD).

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