



Bess energy Brazil

Will Bess double Brazil's energy capacity?

The company's plans to install more BESS, which is set to double Brazil's current capacity. Lithium Valley, a provider of energy storage systems, reported that total BESS capacity was 250MWh in 2023, with most of the technology deployed in rural areas.

Is energy storage legal in Brazil?

Brazil's regulatory framework does not prohibit energy storage solutions, but there are currently no specific regulations on storage. At the end of 2023, most BESS applications in Brazil were behind the meter. There is a proposed law on energy storage to encourage front-of-the-meter BESS, but Congress has not prioritized its approval.

Will Brazil build 224mwh of battery energy storage capacity by 2025?

Matrix Energiah has completed Brazil's first green debentures issuance worth \$18m to build 224MWh of battery energy storage capacity by 2025.

What is the future of Bess in Latin America?

To provide a view of what is to come, AMI breaks down the status and opportunities of BESS in main Latin American markets. Chile passed an energy storage and electromobility bill in late 2022, making stand-alone storage projects profitable for operators.

What is Vale's Bess project?

With enough storage capacity to meet the demand of 45,000 homes for one hour, the project is considered to be one of the largest of its kind in the country. When operational, Vale expects the BESS to lower the port's final energy cost by almost 20%.

What is Brazil's largest battery storage project?

Further details about Brazil's largest battery storage project to date have been revealed including its integrators and equipment providers. The inauguration of the 30MW/60MWh system took place last year, on the networks of transmission system operator (TSO) ISO CTEEP, as reported by Energy-Storage.news in November.

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The launch of a dedicated BESS auction in Brazil could help boost the growth of the technology in the country and further enhance the use of renewables such as solar PV and wind. Despite being the largest solar PV market in South America, with over 47GW of capacity installed - as of August 2024 - according to solar trade body Absolar ...



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A 30MW battery energy storage system has been inaugurated by transmission system operator (TSO) ISA CTEEP in Brazil. The TSO announced the energising of the BESS yesterday (29 November), which it said made it the first TSO to have a large-scale storage system on the country's transmission network.

This is the first green issuance for a battery energy storage system (BESS) project in Brazil and the second for a renewable project by Matrix Energia. Caixa Econômica Federal led the issuance, set over a six-year period. The funding was raised by Matrix Energia's subsidiary Get Comercializadora.

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ISA CTEEP claimed it as the first large-scale battery energy storage system (BESS) on Brazil's transmission grid. The project required a total US\$27 million investment. The transmission operator is permitted by regulations to earn up to US\$5 million revenues from the asset each year.

The expanded partnership between Matrix Energia and Huawei Digital Power focuses on implementing Battery Energy Storage Systems (BESS) to modernize Brazil's energy infrastructure, reduce industry costs, and address grid challenges.

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Brazilian mining company Vale SA (BVMF:VALE3) is installing a 10-MWh lithium-ion battery energy storage system (BESS) at the Ilha Guabuba terminal (TIG) in Rio de Janeiro.

The landmark bond issuance, the first of its kind in Brazil dedicated solely to BESS, will go a long way to supporting the country's energy transition by enhancing grid reliability, optimising renewable energy use, and further reducing the dependence on fossil fuels.



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