

Brasilia wind and solar power generation system





Overview

Are wind and solar power reshaping Brazil's energy mix?

Wind and solar power are also reshaping the country's energy mix. In 2024, they generated 24% of Brazil's electricity, more than double their share from five years earlier. Solar power grew from just over 1% of generation in 2019 to 9.6% in 2024, while wind climbed from 8.8% to 15% over the same period.

Does Brazil need wind & solar power?

Brazil's successful diversification of its electricity mix in recent years means that wind and solar power are now able to compensate for the shortfall in hydro power without risking costly fossil fuel spikes. Brazil's build-out of wind and solar power has been fast enough to meet and exceed growth in electricity demand over the last decade.

What happened to wind and solar generators in Brazil?

Between January and October, wind and solar generators in Brazil had their production reduced by 20.4 per cent, according to consultancy Volt Robotics. That was more than three times higher than the same period last year. Financial losses resulting from these enforced power wastages have exceeded R\$6bn (\$1.1bn) since 2024, according to Aurora.

What percentage of Brazil's electricity is generated by wind and solar?

In 2024, wind and solar generated 24% of Brazil's electricity, more than doubling their share in five years from 9.9% in 2019. Solar has grown particularly rapidly from 1.1% in 2019 to 9.6% in 2024, while wind has almost doubled its share from 8.8% in 2019 to 15% in 2024.



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[Brazil added 11 GW of new capacity in 2024, ...](#)

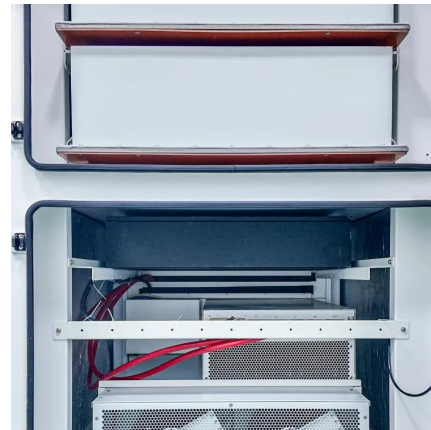
Brazil's installed power capacity increased by 10.9 GW in 2024, according to the National Electric Energy Agency (ANEEL), the highest growth ever recorded since 1997. Overall, 301 new power plants were ...

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Solar's Role in Brazil's Renewable Energy Goals
Thanks largely to hydro, wind and now solar, 88.2% of Brazil's electricity already comes from renewables -- wind and solar alone ...

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600 MW! Equinor's First Wind-Solar Hybrid Project in Brazil ...

Recently, Norwegian energy company Equinor and its Brazilian subsidiary Rio Energy announced the official commissioning of the solar-wind hybrid power complex located ...

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[Wind and solar power fuel over one-third of Brazil's ...](#)

Wind and solar power generated more than a third of Brazil's electricity in August. This marks the first time these renewable sources have crossed that threshold, according to ...

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Solar's Role in Brazil's Renewable Energy Goals
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Following a wind and solar power boom over the past decade, Brazil's green energy build-out has hit an obstacle as the network of cables that transport electricity fails to keep pace.

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Brazil added 11 GW of new capacity in 2024, 91% of which were solar ...

Brazil's installed power capacity increased by 10.9 GW in 2024, according to the National Electric Energy Agency (ANEEL), the highest growth ever recorded since 1997. ...

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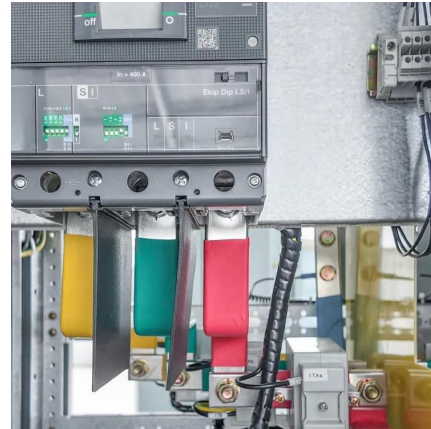
Wind and solar generate over a third of Brazils



electricity for ...

A former load base provider, dispatchable generation from reservoir hydro power stations complements the variable output of wind and solar, allowing more of these sources to ...

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[Equinor launches hybrid solar-wind power complex in Brazil](#)

Equinor and its Brazilian subsidiary Rio Energy have commenced commercial operations at the Serra da Babilônia solar facility, marking the company's debut hybrid solar ...

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The temporal complementarity of solar and wind power enables stable, continuous output, with solar generation by day and wind energy at night and across seasons, thus ...

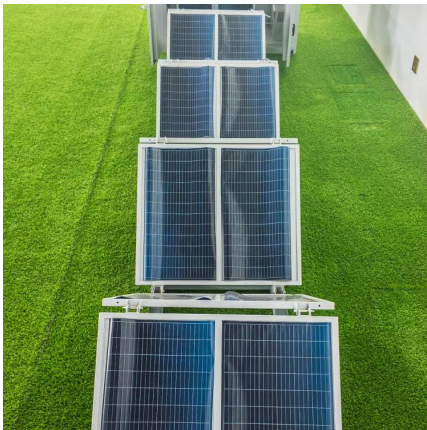
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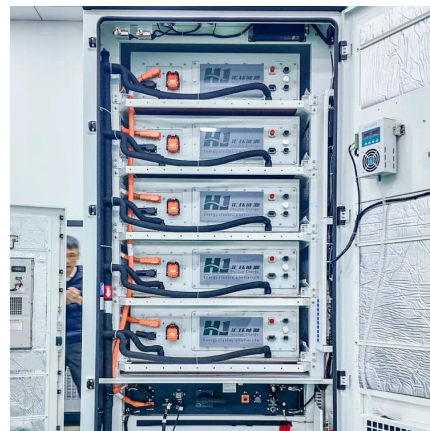
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Equinor starts operations at its first hybrid solar-plus-wind

Equinor has started commercial operations at its first hybrid solar-plus-wind project in the Brazilian state of Bahia.

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