

## Solar Energy South Africa

# China Southern Power Grid WeChat application to change category

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## Overview

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Will China's power grid build a digital power grid?

China Southern Power Grid, one of the country's two major power grids, also plans to further step up digital power grid construction to make sure its percentage of nonfossil energy power generation accounts for 61 percent by 2030.

Who is China Southern Power Grid co?

In accordance with a State Council rule on electric power system reform, China Southern Power Grid Co was officially launched and put into operation on Dec 29, 2002. It is a centrally-administered company, with the State-owned Assets Supervision and Administration Commission of the State Council (SASAC) performing duties as its investor.

What is a southern power grid?

Southern power grids extend approximately 2,000 kilometers from east to west, covering a variety of sources for power generation, including water, coal, nuclear, pumped storage, oil, gas and wind.

Can China decarbonize the southern power grid by 2060?

Decarbonization of the Southern Power Grid in China is feasible by 2060 but requires converting a large cropland area to support solar and wind energy; expansion of hydropower will impact the transboundary rivers according to a power system optimization model set up for 2020–2060.

What is the digital power grid white paper 2021?

In April 2021, China Southern Power Grid issued the “Digital Power Grid White Paper”, advocating for the digital grid as the optimal framework for accommodating the new type of power system.

How will China's new energy policy affect the power generation mix?

"Ways will be found to cut thermal coal plants' contribution to the power generation mix by reducing some of the output and decommissioning some plants ahead of their economic life's end. This also means that capital spending by State Grid Corp of China may substantially rise so as to meet the higher rate of clean energy sources."

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### Regional Electricity Markets in China: A review of China Southern ...

Beginning in 2022 and continuing through July 2023, the South China Energy Regulatory Office of the National Energy Administration (??????????), the China Southern Grid Dispatch ...

### Research and application of multiple STATCOMs to ...

1 Introduction. Power network transmission systems with load centres remote from generation centres require the bulk power transmission of high-power electricity at long distances [1]. With the rapid development of high ...



### Application of 500 kV UPFC in Suzhou southern ...

The implementation of a 500 kV unified power flow controller (UPFC) project in Suzhou southern power grid is reported in this study. The UPFC project has been put into operation at the end of 2017, and has become ...



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