
Cross-border solar panels

Will a new cross-border interconnector raise electricity prices?

National regulators and policy makers deciding on the approval of a new cross-border interconnector might be faced with a trade-off: While wind and solar generators in net-exporting markets can capture higher prices because of more interconnection, consumers in those markets might face higher prices because of a new interconnector.

How do we isolate cross-border effects of renewable market penetration?

To isolate cross-border effects, we control for other features of electricity systems that moderate the effect of renewable market penetration on its market value, such as flexible hydroelectricity. We address endogeneity issues by using capacity, rather than energy, values for various variables.

What is the role of cross-border interconnector capacity?

The role of cross-border interconnector capacity is two-fold, in the sense that it mitigates the negative effect of domestic market penetration but exacerbates the effects of neighboring market penetration.

What is the correlation between solar penetration per bidding zone?

The correlation of hourly (monthly) domestic and neighboring solar penetration per bidding zone is 0.88(0.90). For onshore wind it is 0.60 (0.75) on an hourly (monthly) level.

Currently, around 85 percent of the solar panels used in the Portuguese market are manufactured in China. All have received top-tier quality certifications and are widely ...

For businesses and governments considering solar energy initiatives, engaging in cross-border partnerships offers a strategic advantage. By leveraging international expertise ...

China and Singapore partner on a large cross-border solar project in Indonesia, exporting clean power to Singapore through a new regional green electricity corridor.

The cooperative also prioritises installing solar panels on existing buildings like schools and municipal buildings: "We have countless rooftops, municipal and private, with ...

Indian solar manufacturers are entering the U.S. market, creating a new cross-border investment corridor. The trend offers mutual benefits, boosting Indian exporters and ...

The European Union has seen a remarkable rise in renewables deployment recently, as wind and solar have increased their combined market share from 11 % in 2015 to ...

CRE International (CREI), the renewables arm of the China National Nuclear Corporation (CNNC), and Equator Renewables Asia will work to develop a cross-border ...

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Picture this: A solar farm in Morocco powering midnight Netflix binges in London. That's not sci-fi - it's the reality of inter solar projects reshaping global energy maps. As climate change tightens ...

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