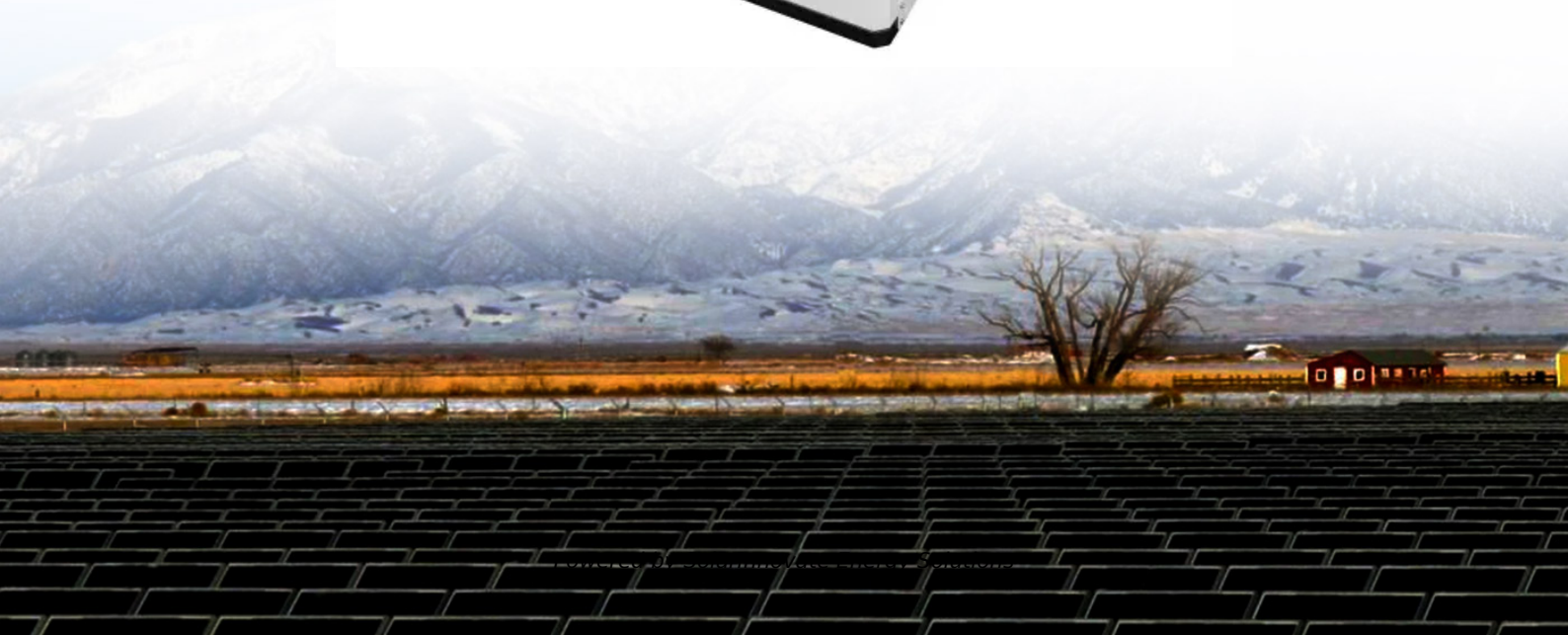


SolarInnovate Energy Solutions

Cross-border sales of energy storage power supplies



Overview

Can cross-border power trade support resilience?

Cross-border power trade can support goals such as improved grid resilience, increased energy access, reaching renewable energy targets, and increasing economic development. This fact sheet explains how cross-border trade can be a potential technical solution to support resilience.

Why do we need a regulatory framework for cross-border electricity trade?

A regulatory framework is necessary to ensure all types of cross-border electricity trade between two or more countries are clearly defined, framed, and protected. Europe has experienced an increase in cross-border electricity transmission capacity and flows over the past few decades, partly due to the European internal energy market.

What is cross-border power trade?

Depending on the form, cross-border power trade can involve different degrees of coordination between system operators and utilities. A fully integrated whole-sale market, for example, might cover a number of interconnected countries served by a single system operator.

Should flexibility measures be included in cross-border power trade agreements?

When developing cross-border power trade agreements, particularly with high levels of renewables, flexibility measures can be included to improve overall reliability and resilience of the system.

Can subregional electricity markets connect power systems across borders?

Figure 1 presents three proposed subregional electricity markets in Southeast Asia that could connect power systems across borders. In this case, effectively designed markets would support increased integration of renewables, energy security, and grid reliability and resilience in the Association of Southeast

Asian Nations (ASEAN) region.

How can we support cross-border power trade in South Asia?

Box 2 presents a collaborative approach to supporting cross-border power trade in South Asia. The power systems of countries can be interconnected in different ways, primarily synchronously or asynchronously (with the link use of power electronics).

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How about cross-border sellers of energy storage power supplies

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