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Title: High-efficiency bulk procurement of pv distributions

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In recent years, DER installations have increased significantly in some regions of the United States due in part to technology advances and state energy policies. This report considers how the ...

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Here, combining theoretical analysis and experimental evidence, we identify a range of BPV materials where both V_{oc} and J_{sc} can be co-optimized, and greatly boost the efficiency through...

We evaluate resource planning studies, wholesale market design and operation, interconnection process reforms and related issues, and disseminate best practices to a broad set of stakeholders.

We developed a two-dimensional auction model in which PV generators bid their cost and capacity. The energy buyer then determines the winners and enters into contracts with them for a fixed period.

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uncertainty of profits of PV generators and makes them reluctant to enter the electricity market. Many countries have adopted subsidy mechanisms to protect PV generators, and a procurement auction system has been ...

A characteristic of Stage 3 is a high level of DERs (e.g., solar PV nameplate capacity over 15% of distribution system peak). These high levels exist today in several states and utility service areas.

Against the backdrop of rapidly growing distributed photovoltaics (DPVs) and mounting pressure on conventional frequency-regulation (FR) resources, this study proposes a day-ahead-intraday two-stage ...



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les | The dollar-per-watt metric has traditionally formed the basis of PV module purchasing. But as Anza CEO Mike Hall argues, this simplistic formula can lead to errors, we've seen a massive transformation in how large ...

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