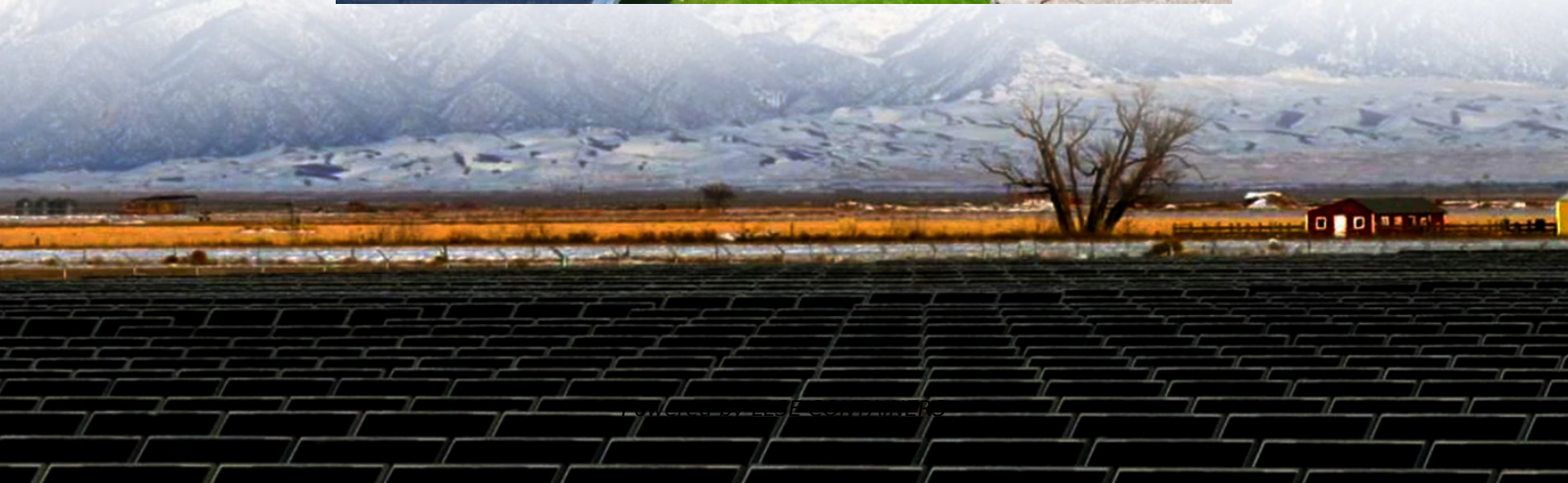


Bulk Procurement of Grid-Connected Photovoltaic Energy Storage Containers in Uganda





Overview

Should solar PV be integrated into the grid network?

Solar photovoltaic (PV) systems are becoming increasingly popular due to their low carbon footprint, reduced energy costs, and improved energy security. However, integrating solar PV into the grid network presents several challenges.

What is a photovoltaic (PV) system?

When combined with Battery Energy Storage Systems (BESS) and grid loads, photovoltaic (PV) systems offer an efficient way of optimizing energy use, lowering electricity expenses, and improving grid resilience.

What is the integrated operation strategy for solar PV and battery storage?

Xiang et al. propose an integrated operation strategy for solar PV and battery storage systems with demand response to reduce the peak load and energy cost. The strategy combines real-time pricing, demand response, and optimal dispatch of the battery storage system to achieve the best operation of the system.

Can hybrid energy storage and demand response be used in solar PV integration?

Solar PV integration and hybrid mitigation technique using energy storage and demand response. Table 4. Benefits of using hybrid energy storage and demand response in solar PV integration. 7. Conclusions and future research



Bulk Procurement of Grid-Connected Photovoltaic Energy Storage C

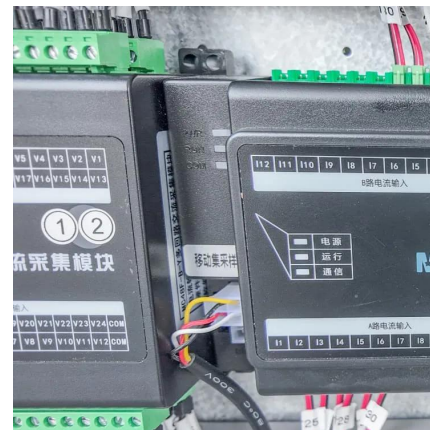


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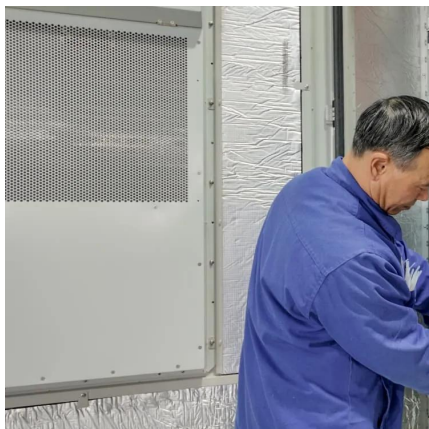
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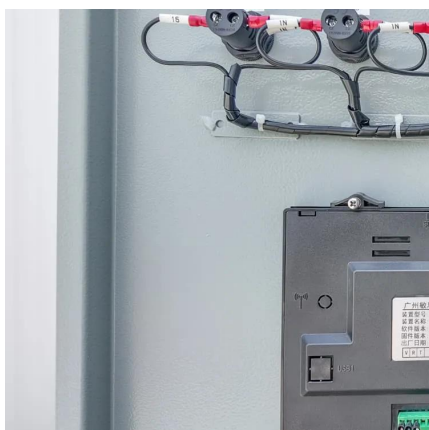
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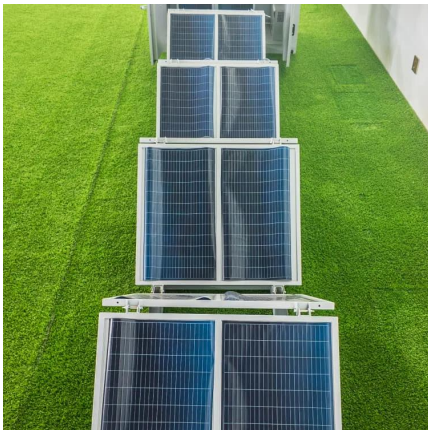
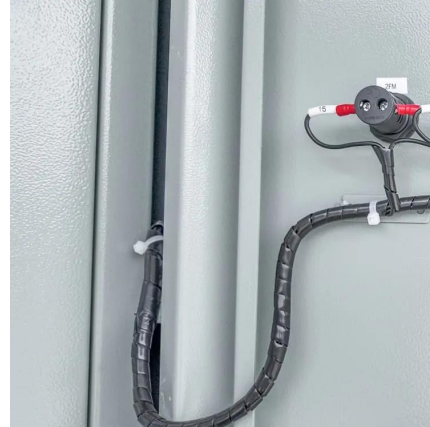
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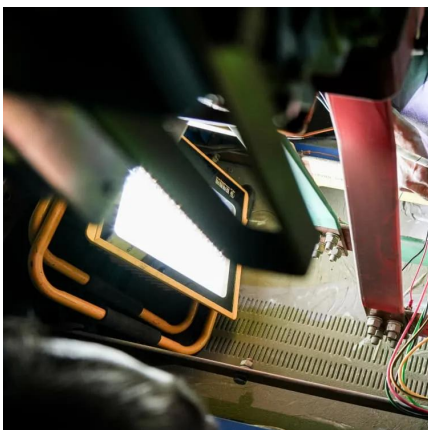


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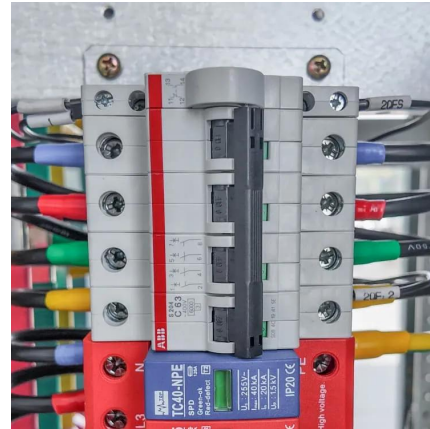
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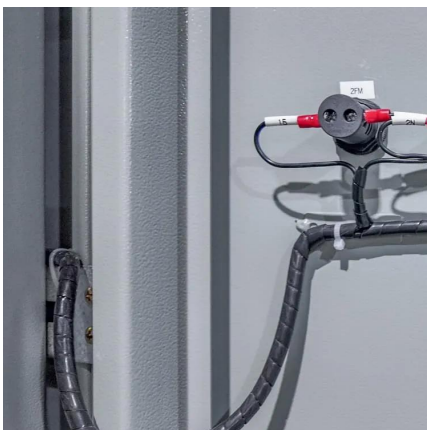


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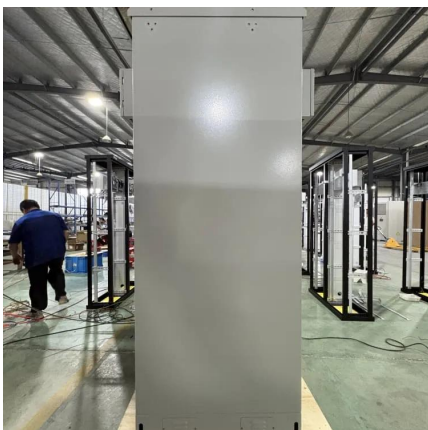


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