Smart grid photovoltaik Jordan

In this paper, the decentralized smart grid control strategy has been implemented on the current grid located in Jordan at a low voltage level to emulate how the Smart Grid concept would work as near as to reality.

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This research paper provides an overview of the current state of Jordan"s energy sector, an explanation of smart grid technology, and an analysis of the advantages and disadvantages of implementing a smart grid in Jordan.

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Different scenarios were considered, including the current Jordanian power grid system"s inertia without renewable energy and varying penetration levels of RESs. The constant inertia of the power grid was calculated at 8.755 s, indicating a sufficient level of ...

Converting into the smart grid will add many advantages to the grid"s sustainability, however it is considered to be a complicated process. MISO converter is contributed to easing the process of mixing renewable energy sources.

Abstract: This work presents a novel approach to converting a traditional business park into a smart business park using the micro-grid concept. The selected micro-grid for this project is the King Hussein Business Park (KHBP) in Amman, Jordan.

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