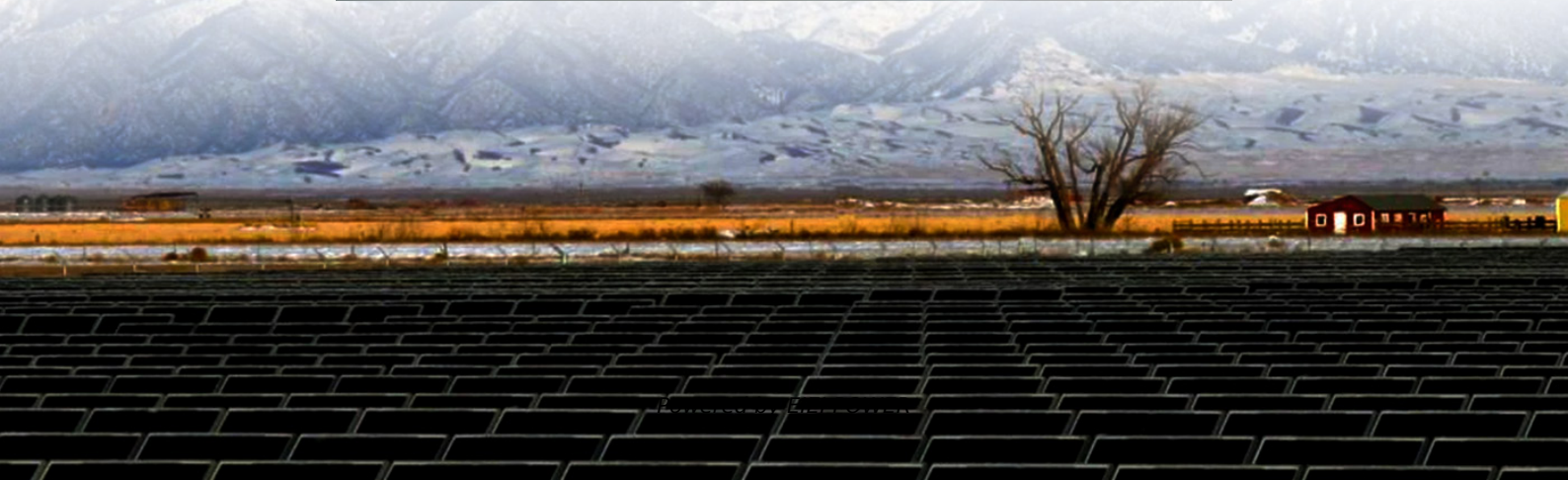


Pakistan Power Grid solar container communication station Design





Overview

The power sector of Pakistan is facing many issues such as departmental mismanagement, huge dependence on imported fossil fuels, the greater cost of power generation, lower production of energy alo.

Does Pakistan need a smart grid?

Initially, a postmortem review of Pakistan's power sector was performed for finding the power demand of the power distribution sector. The key issues and challenges are identified for the deployment of smart grid in Pakistan's electric network and suggested possible approaches in this regard.

Which technology is required for a smart transmission grid in Pakistan?

Smart networks like IEEE 802.11 based wireless LAN, IEEE 802.15 based ZigBee, IEEE 802.16 based WiMAX, DASH 7, Power Line Communication (PLC), and 3G/4G GSM are required for the reliable and uninterrupted power transmission in smart transmission grid [72]. In Pakistan, outdated controlling methods are equipped in the system.

Will battery adoption help stabilize Pakistan's electricity grid?

Though nascent, battery adoption is rising and will soon become another source of income to help stabilize Pakistan's overall electricity grid. One of the most profound yet under-acknowledged dimensions of Pakistan's solar boom is how it's facilitated energy access after 60 years of trying to do this with subsidized fossil fuels.

Does Pakistan need a battery storage system?

imported capacity is currently installed across the country. The current high upfront cost of battery storage systems in Pakistan is likely to prevent all rooftop solar a d captive solar consumers from adopting battery configurations. Additionally, consumers may require



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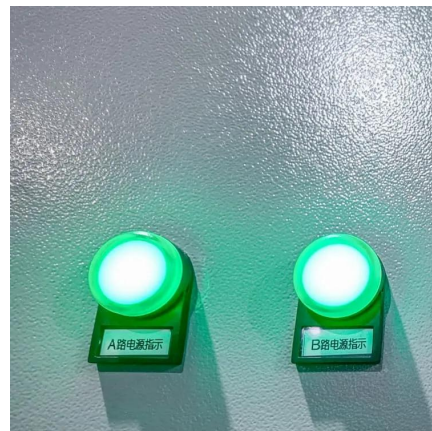
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