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Title: Communication technologies in smart grid

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Adding intelligence through the newly networked grid will increase reliability and power quality, improve responsiveness, increase efficiency and provide a platform for new applications.

It reviews smart grid communication technologies, their features, relevance, and various roles being played toward delivering an effective electrical service to stakeholders. Hence, this study ...

This paper presents a review on the different types of available communication methods and protocols, which are used for data communication within and outside a smart grid based power ...

The availability of new technologies such as distributed sensors, two-way secure communications, advanced software for data management, and intelligent and autonomous ...

This paper describes the various communication technologies available and their limitations and advantages for different grid operational processes, aiming to assist the discussion between ...

Integrating advanced communication technologies in smart grids is a serious technical, operational, and regulatory challenge.

In this paper, we provide a comprehensive and up-to-date survey on the communication technologies used in the SG, including the communication requirements, physical layer technologies, network ...

To address the challenges of the existing power grid, the new concept of smart grid has emerged.

In a smart grid system, the communication technology serves as its nervous system and provides a communication link between different components like smart meters, distribution management ...

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