

However, with the increased use of effective communication, automation and monitoring skills the microgrid based power grid are switched to a technologically advanced and fast response ...

Communication technology will play an important role in improving the power quality issues of smart microgrids. Previously, most of these devices were trying to become dependent on communication ...

This paper presents a brief survey on communication technologies used in smart grid and its extension to micro grid. By integration of communication network, device control, information collection and ...

This chapter provides an insight into communication requirements, system architecture, standards, protocols and tools used in microgrid communications. The chapter concludes with a case ...

In this view, this paper first reviews various state-of-the-art developments related to smart grids and then provides extensive insights into communication standards and technologies, issues/challenges, and ...

The communication paths and device topologies for the six smart grid applications are fully described based on IEEE Guide for Smart Grid Inter-operability and National Institute of Standards and ...

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, ...

Smart grid communication technologies integrate advanced digital communication systems with traditional power networks, transforming them into dynamic, responsive infrastructures that...

Furthermore, different communication technologies that might fulfill the microgrids communication requirements are described. Additionally, interoperability and security issues are ...

In this paper, the communication technology, architectural design, cutting-edge applications, and protocols of IoT-assisted SG systems are comprehensively reviewed. The main ...

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