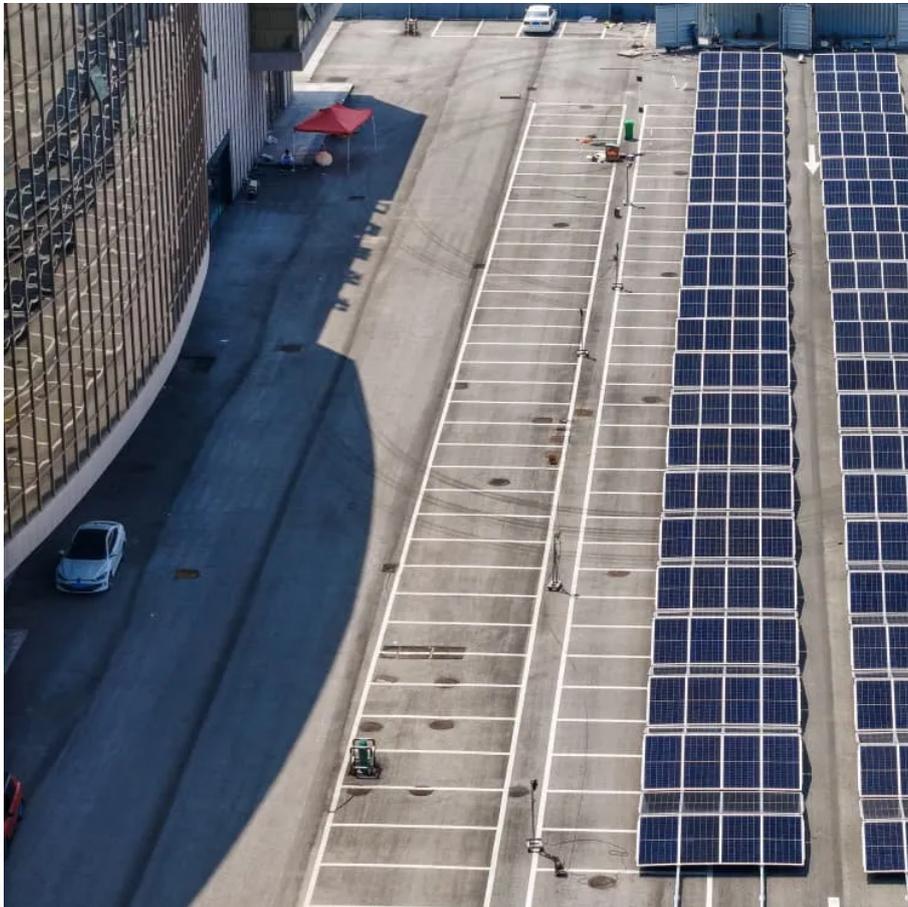


Smart Substation Energy Storage





Overview

What are the advantages of a smart substation?

It has a number of advantages, such as improving energy efficiency, reducing both the impact on the environment and the power losses of the transmission, and improving the security and reliability of power supply. The smart substation is proposed along with the concept of the smart grid, which plays an important and crucial role in the smart grid.

What is a smart substation?

The smart substation also enables the use of intelligent automation, such as AI and ML, and pushes these technologies to the edge of the grid, enabling local, nearly autonomous, smart functionality. “Building the substation of the future will be a big mountain for utilities to climb,” admits Bates.

What is Intel-based smart substation technology?

Intel-based smart substation technology helps utilities worldwide utilize the smart grid more efficiently. Electrical substations, which are the building blocks of an energy grid, are responsible for regulating and changing voltage levels as electric power flows from generating station to consumer.

What are the key points of smart substation research?

The key points of the smart substation research include self-diagnosis of substation equipment, intelligent primary equipment, and station and wide-area protection and control system, so as to greatly reduce the floor space and significantly improve the safety, reliability, and economy of the power grid.



Smart Substation Energy Storage



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