Microgrid Energy Efficiency

Abstract. Resilience, efficiency, sustainability, flexibility, security, and reliability are key drivers for microgrid developments. These factors motivate the need for integrated models and tools for ...

At present, renewable energy sources (RESs) and electric vehicles (EVs) are presented as viable solutions to reduce operation costs and lessen the negative environmental effects of microgrids (uGs). Thus, the rising ...

In this paper, we particularly illustrate this context with regard to the choice of battery models integrating energy efficiency and aging for the design of microgrids. Using a ...

Modular data centers are designed to be energy efficient and employ advanced cooling techniques such as liquid cooling. Microgrids can be an important part of this strategy, ...

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