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Abstract: This article aims to reduce the electricity cost of 5G base stations, and optimizes the energy storage of 5G base stations connected to wind turbines and photovoltaics. Firstly, established a 5G base station load model that considers the influence of communication load and temperature. Based on this model, a model of coordinated ...

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Advanced renewable energy integration and storage solutions. Internet of things, machine learning and smart grid technologies (artificial intelligence, sensor integration and predictive maintenance) . Citizen"s initiatives (energy communities, prosumers, e-mobility). Development of the electricity market balancing and dynamic regulation

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