

# Comparison of the number of 5G solar container communication stations in Nigeria





## Overview

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What is the new perspective in sustainable 5G networks?

The new perspective in sustainable 5G networks may lie in determining a solution for the optimal assessment of renewable energy sources for SCBS, the development of a system that enables the efficient dispatch of surplus energy among SCBSs and the designing of efficient energy flow control algorithms.

How to reduce energy consumption in a 5G access network?

An analytical model was developed for the 5G access network, which considers the number of active SCNs and puts other small cells into sleep mode and two backhaul energy-efficient solutions mmWave and passive optical network are presented to reduce the energy consumption of the network.

Will a large number of SCBs save energy in 5G networks?

The extensive deployment of a large number of SCBSs in 5G networks, the energy-saving will be reversed because of extra energy consumed by newly deployed SCBSs (Cai et al., 2016). 4.4. Radio resources management.

How re technology is a viable solution for 5G mobile networks?

1. RE generation sources are a practical solution for 5G mobile networks. For SCNs, the RE technology is a viable and sustainable energy solution. RE technology can produce enough renewable energy to power SCBSs. It is predicted that 20% of carbon dioxide emissions will be reduced in the ICT industry by deploying RE techniques to SCNs.



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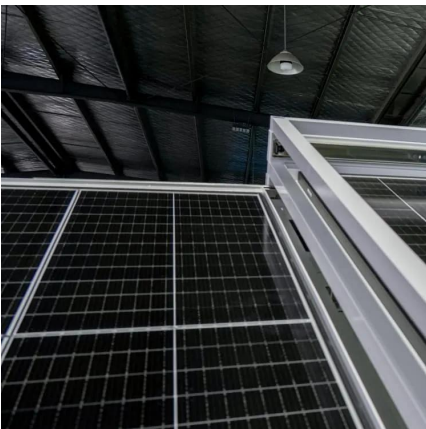
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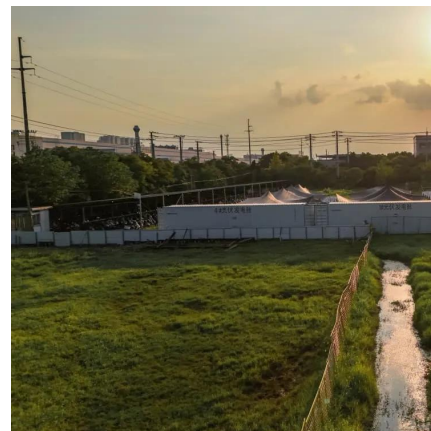
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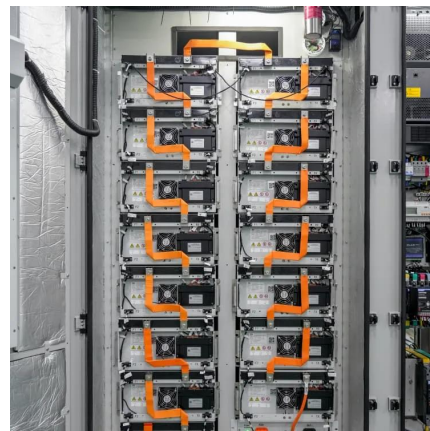
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