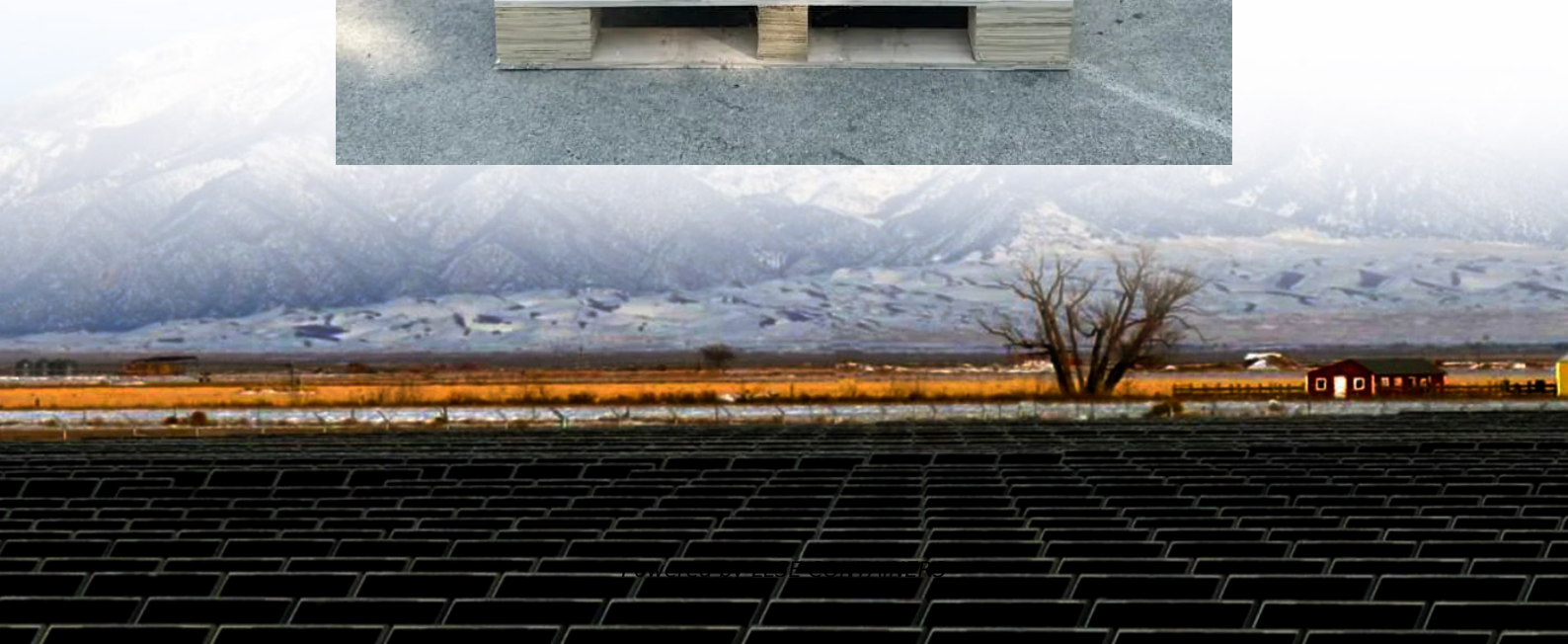


# **Communication green base station internal and external network**





## Overview

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What is the energy consumption of 5G communication base stations?

Overall, 5G communication base stations' energy consumption comprises static and dynamic power consumption. Among them, static power consumption pertains to the reduction in energy required in 5G communication base stations that remains constant regardless of service load or output transmission power.

What is the equipment composition of a 5G communication base station?

Figure 1 illustrates the equipment composition of a typical 5G communication base station, which mainly consists of 2 aspects: a communication unit and a power supply unit.

Do 5G communication base stations have active and reactive power flow constraints?

Analogous to traditional distribution networks, the operation of distribution systems incorporating 5G communication base stations must adhere to active and reactive power flow constraints.

What is Green Communication Systems & Networks Symposium?

The aim of Green Communication Systems and Networks Symposium in GLOBECOM 2019 is to serve as a platform presenting state-of-the-art research work on challenging issues related to energy efficiency in communication systems and networks, as well as to shed further light on future directions in this space.



## Communication green base station internal and external network

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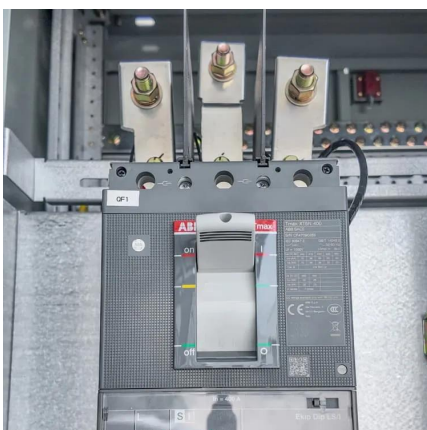
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