

# 5g base station communication transmission





## Overview

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What is packet communication in 5G?

Packet communication is central to the 5G new radio (NR) interface. This topic presents the communication flow between the 5G base station (gNB) and user equipment (UE) nodes, explaining the uplink (UL) and downlink (DL) transmission. System-level simulation involves the transmission of various packet types in both UL and DL directions.

What is a distributed collaborative optimization approach for 5G base stations?

In this paper, a distributed collaborative optimization approach is proposed for power distribution and communication networks with 5G base stations. Firstly, the model of 5G base stations considering communication load demand migration and energy storage dynamic backup is established.

What is a 5G base station?

At the same time, a large number of 5G base stations (BSs) are connected to distribution networks, which usually involve high power consumption and are equipped with backup energy storage, giving it significant demand response potential.

What is 5G BS Model?

The 5G BS model considering communication load migration and energy storage dynamic backup is established in Section 2. The architecture and coordination optimization model composed of a 5G communication network and distribution network is proposed in Section 3.



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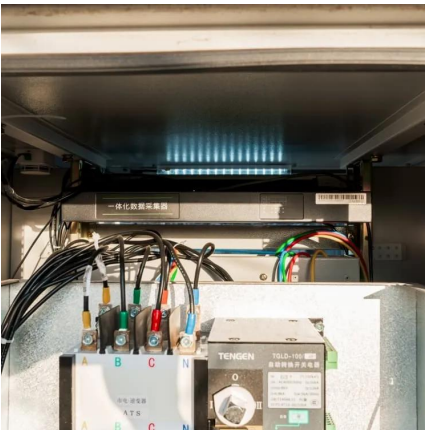
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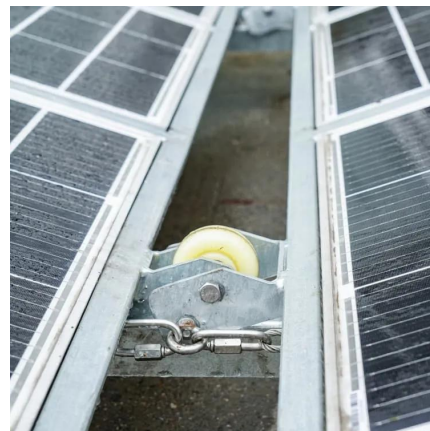


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