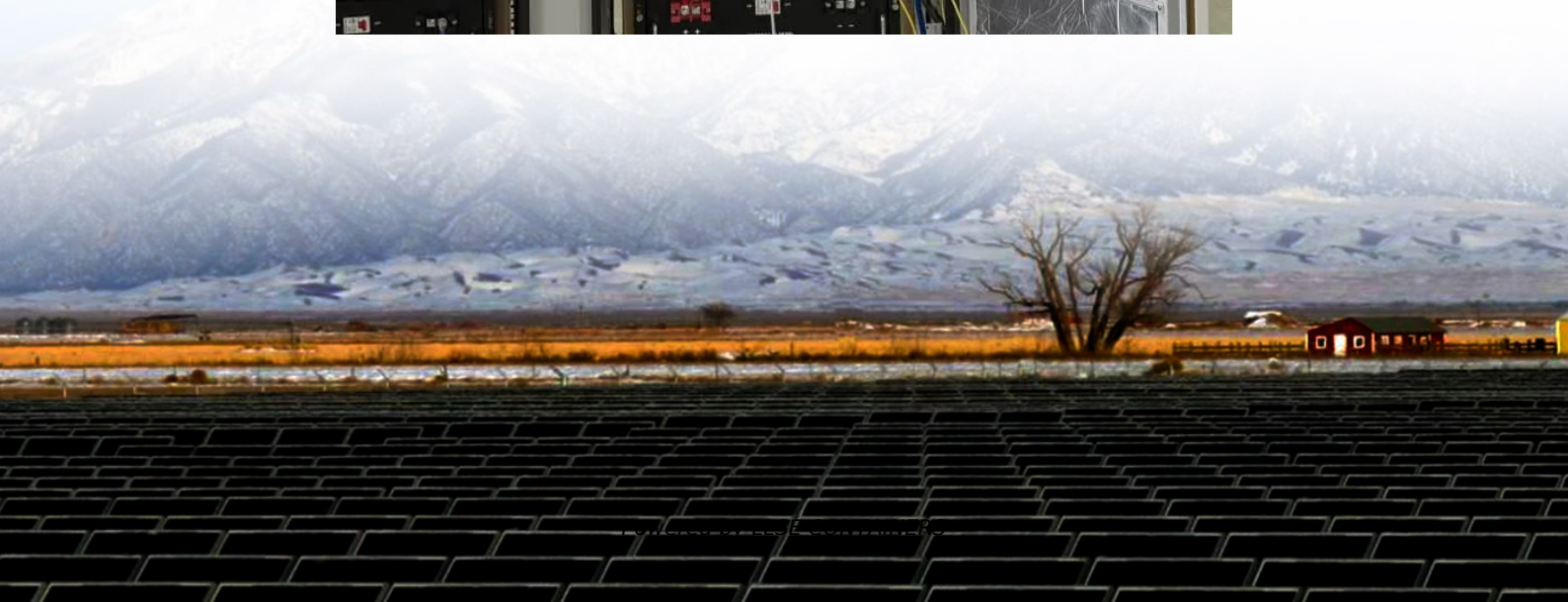


Green Forest Integrated Signal Base Station solar





Overview

What is a green base station solution?

The green base station solution involves base station system architecture, base station form, power saving technologies, and application of green technologies. Using SDR-based architecture and distributed base stations is a different approach to traditional multiband multimode network construction.

How ACS cooled a base station can save energy?

Compared with a traditional equipment room, an ACS-cooled room can save up to 70% energy. A sharp decrease in power consumption in a base station makes it possible to replace the traditional electrical power supply with solar or wind energy. Among other solutions, solar and hybrid solar-wind power has gradually been applied in base stations.

How can a soft base station reduce power consumption?

The 2G/3G swapping project of a leading telecom operator in Asia-Pacific is a good example of how power consumption can be reduced using the SDR soft base station platform. In the old network, one base station used three cabinets for GSM900, GSM1800, and UMTS2100 devices. Its overall power consumption was 4280 W.

What is SDR soft base station?

The SDR soft base station platform enables a telecom operator to combine networks of different modes and different bands into one network. It simplifies network structure and greatly decreases the number of Network Elements (NEs) and auxiliary facilities, thus reducing power consumption base station power consumption.



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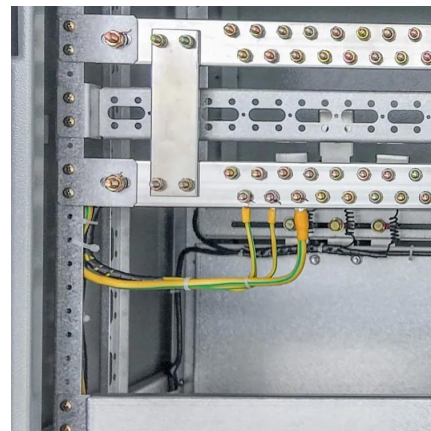
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In summary, solar power supply systems for communication base stations are playing an increasingly important role in the field of power communication with their unique advantages. ...

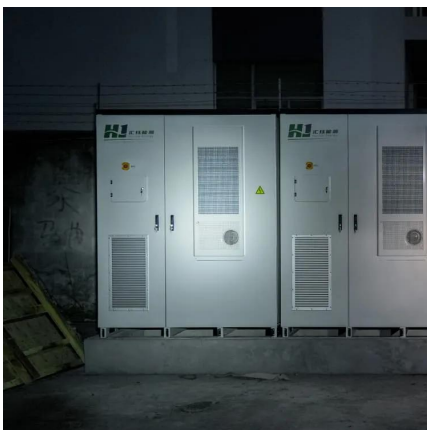
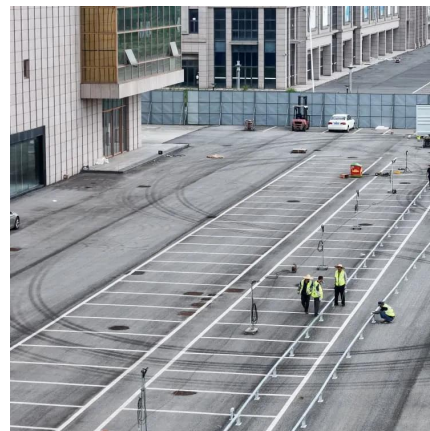


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