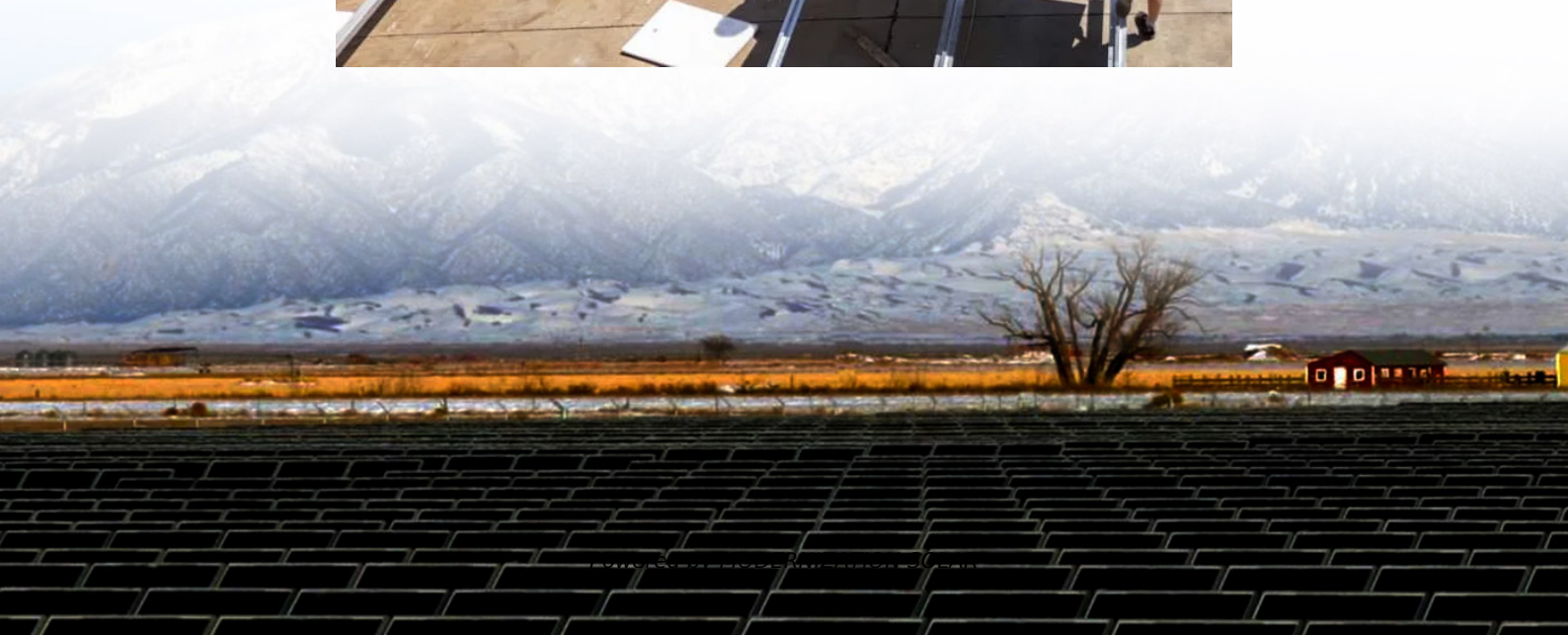


# **Mobile base station power transformer model**





## Overview

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Can a transformer model predict 5G base station traffic?

One such task is the prediction of 5G base station traffic, where each time window corresponds to a segment of actual traffic load on the base station. Therefore, the Transformer model can be used to model and predict the traffic load of 5 G base stations, providing a reference and basis for related business decisions.

What is a base station power consumption model?

In recent years, many models for base station power consumption have been proposed in the literature. The work in proposed a widely used power consumption model, which explicitly shows the linear relationship between the power transmitted by the BS and its consumed power.

Can a base station power system model be improved?

An improved base station power system model is proposed in this paper, which takes into consideration the behavior of converters. And through this, a multi-faceted assessment criterion that considers both economic and ecological factors is established.

Are cellular base stations a future-proof power model?

Debaillie, C. Desset, and F. Louagie, "A flexible and future-proof power model for cellular base stations," in IEEE 81st Vehicular Technology Conference (VTC Spring), 2015, pp. 1-7. S.



## Mobile base station power transformer model

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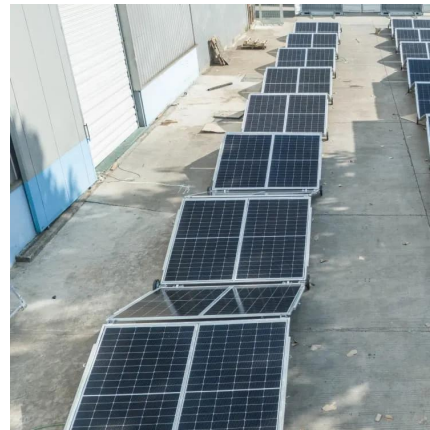


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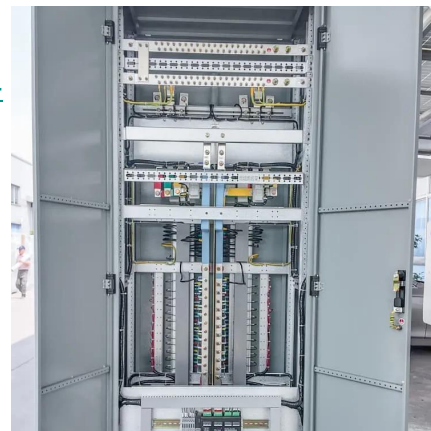
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