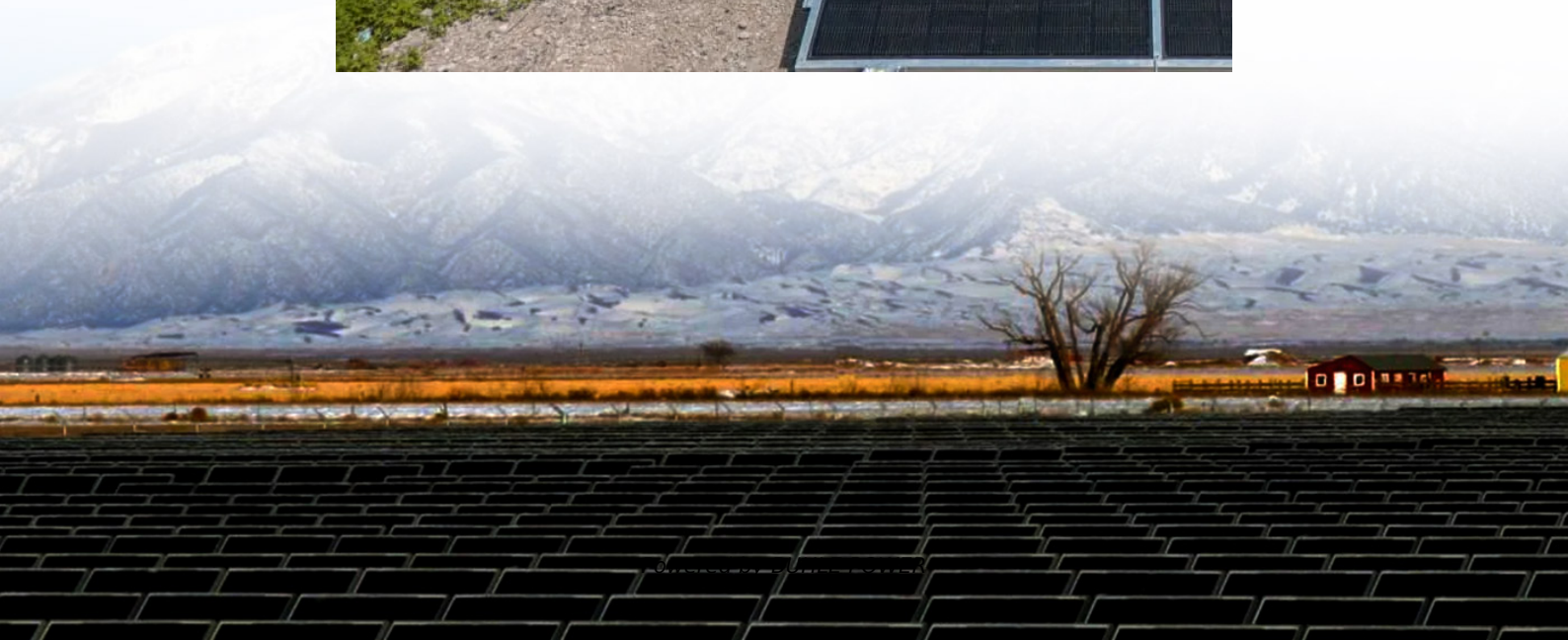


5g base station power supply estimation





Overview

Why are 5G base stations important?

The denseness and dispersion of 5G base stations make the distance between base station energy storage and power users closer. When the user's load loses power, the relevant energy storage can be quickly controlled to participate in the power supply of the lost load.

Is 5G base station energy storage a reliable power supply?

Paper mentioned that under the premise of ensuring the reliability of its power supply, 5G base station energy storage has the feasibility of participating in the power supply of other electrical loads on the same feeder after a failure occurs in the relevant substation power supply area.

What factors affect the energy storage reserve capacity of 5G base stations?

This work explores the factors that affect the energy storage reserve capacity of 5G base stations: communication volume of the base station, power consumption of the base station, backup time of the base station, and the power supply reliability of the distribution network nodes.

What is the energy storage demand for China's 5G base stations?

According to data from the Ministry of Industry and Information Technology of China, the energy storage demand for China's 5G base stations is expected to reach 31.8 GWh by 2023 (as shown in Fig. 1).



5g base station power supply estimation



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