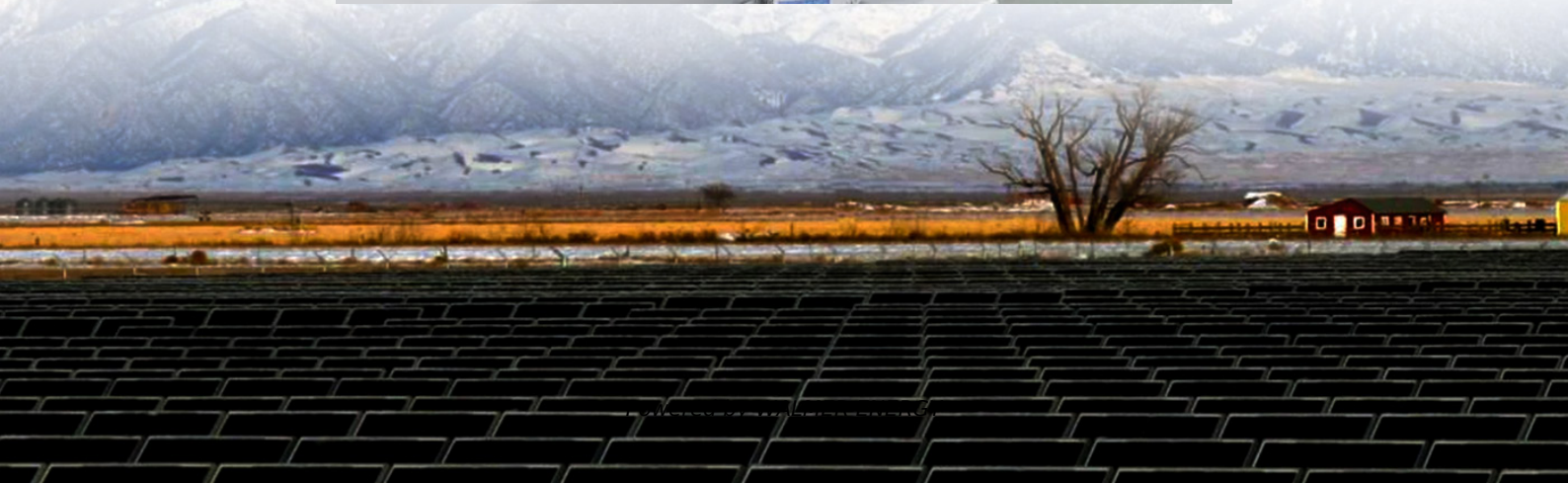


Outdoor base station power generation improvement project





Overview

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.

Can a base station power system be optimized according to local conditions?

The optimization of PV and ESS setup according to local conditions has a direct impact on the economic and ecological benefits of the base station power system. An improved base station power system model is proposed in this paper, which takes into consideration the behavior of converters.

What is a green base station?

Another feature of the green base station concept is its ability to create value during ordinary times as well, by controlling the supply of power from appropriate power sources according to conditions and reducing use of commercial power, thus contributing to environmental protection.

How does a solar base station work?

In this mode, power is supplied to the base station giving priority to solar and battery power, but also adding commercial power. The figure shows operation using almost no commercial power by increasing battery discharge when the solar power output decreases due to clouds or other factors.



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