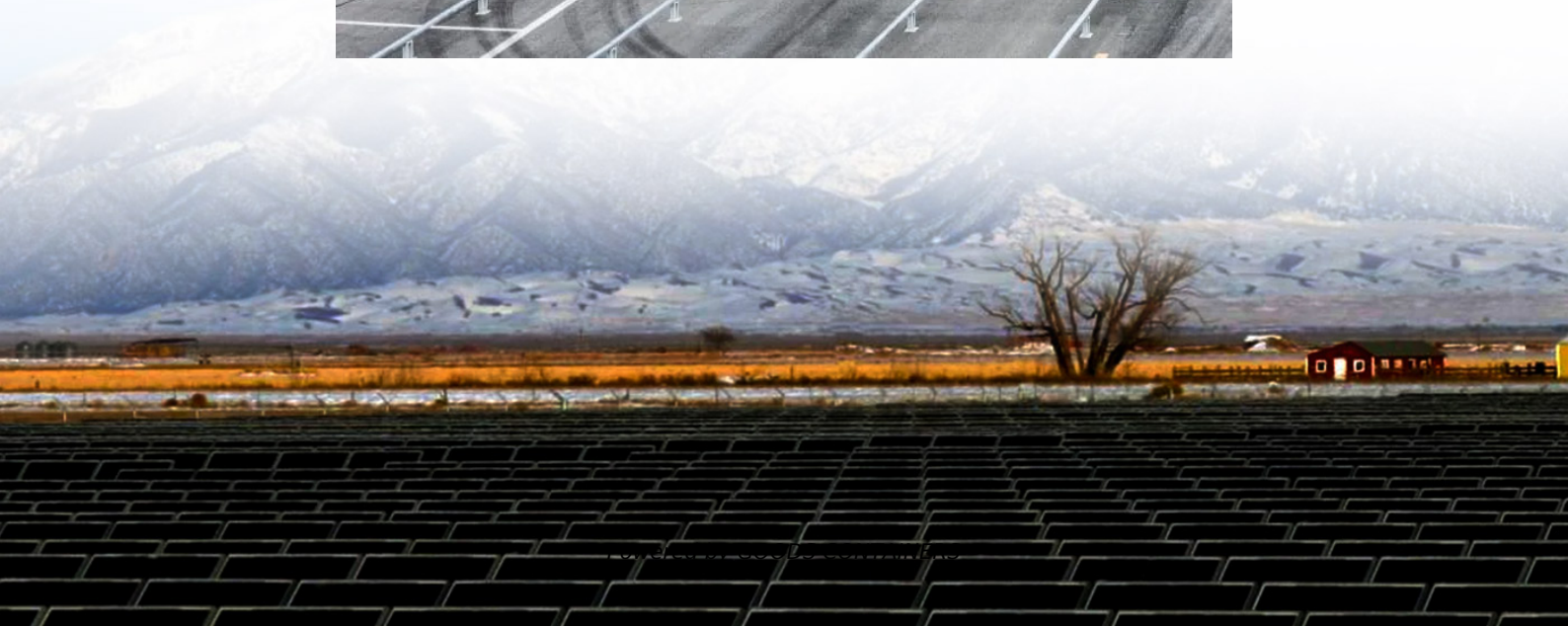


Base station wind power source size





Overview

What is a 10 million kilowatt wind power system?

Wind Power Generation System Model A 10-million-kilowatt clean energy base is rich in wind energy resources, with a wind speed of about 5 m/s–9 m/s at a height of 90 m, which has great development potential.

What is the purpose of the energy base?

The investment in the energy base is mainly used for the construction and operation of wind power, photovoltaic, thermal power, UHV, DC transmission, battery energy storage, and heating projects in the base, and the primary source of revenue stems from electricity generation activities.

What are the optimal wind plant layouts?

The optimal wind plant layouts with the objective of minimizing COE. The rows from top to bottom show the conservative, moderate, and advanced innovation turbines, where the size of each black dot is to scale representing the turbine rotor diameter. The columns from left to right show setback tip height multipliers of 0, 1.1, 2, and 3. constraint.

What are the metrics of the optimized wind plant?

Various metrics of the optimized wind plant for the objective of maximizing profit. From left to right, the metrics shown are optimal number of turbines (n turbines), capacity, AEP, COE, annual profit, and wake loss. From top to bottom, each subplot shows the results for the conservative, moderate, and advanced innovation turbines.



Base station wind power source size



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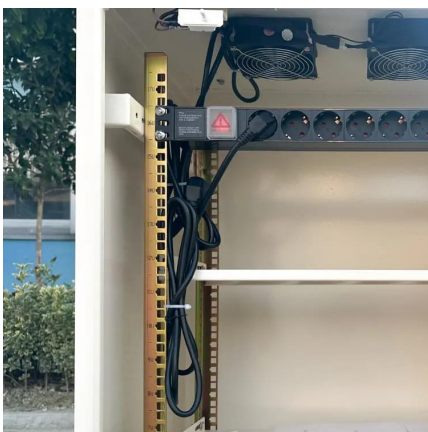
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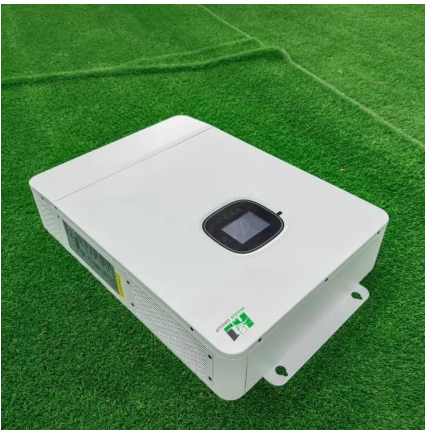
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