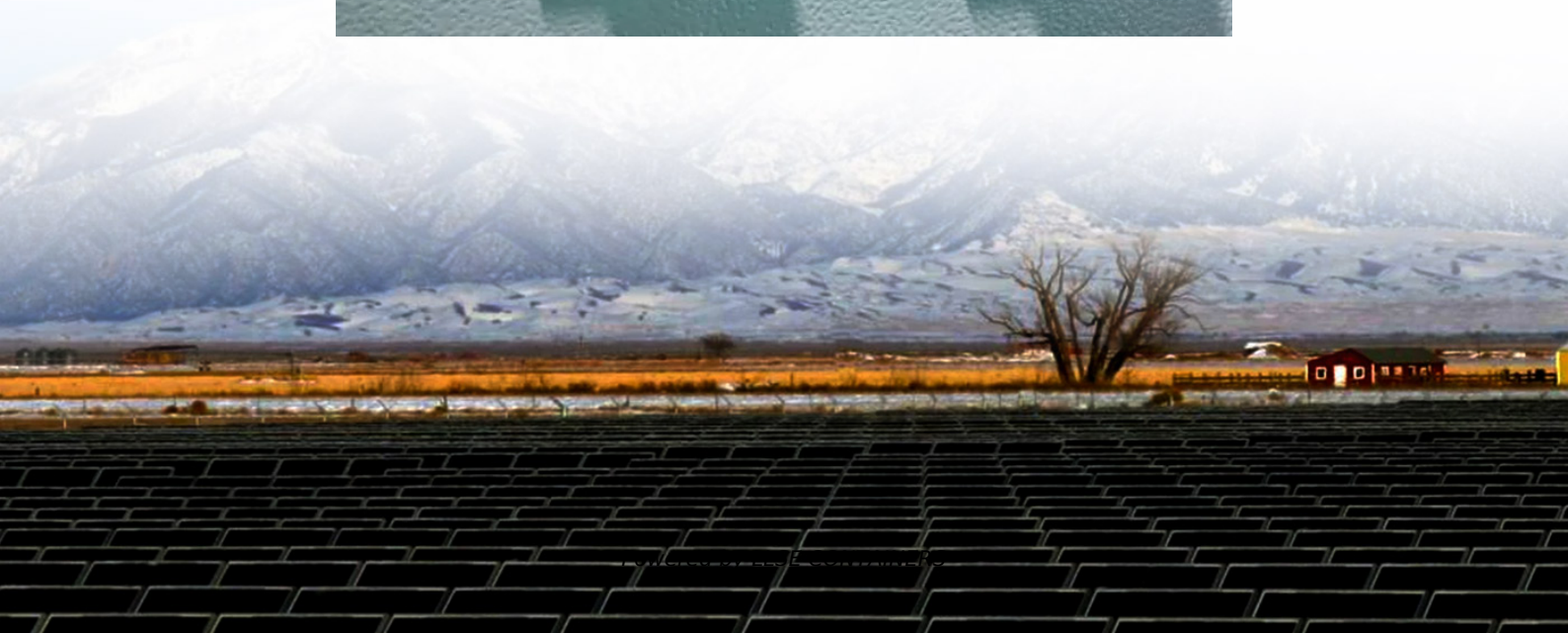


Bhutan s new solar panels





Overview

How much solar energy will Bhutan produce?

According to the Renewable Energy Management Master Plan 2016, Bhutan has the potential to generate 12 gigawatts of solar power and 760 MW of wind energy. The first phase of the Sephu solar farm is expected to produce 25 million units of energy, enough to power 3,476 households, assuming an average urban household consumes five kilowatts of energy.

How much electricity does Bhutan import?

Despite Bhutan's main energy source being hydropower, the country imports electricity during the winter and lean seasons. From December 2023 to May 13, 2024, Bhutan imported electricity worth Nu 6.07 billion, a significant increase from Nu 1.75 billion in the same period the previous year.

How big is China's first solar farm in Sephu?

The country's first utility-scale solar farm in Sephu, Wangdue, initially planned at 17.38 megawatts (MW), has increased its capacity to 22.38 MW. The project is divided into two phases. The first phase, which involves constructing 17.38 MW, is scheduled for completion by March of next year.

Why did yongtru build a 5 MW solar project?

"Initially, the project was designed to use about 65 acres in Yongtru village but we were able to procure higher-wattage solar panels, significantly reducing both cost and area requirements," Site Engineer Keshab Dhakal said. "We had money and land left, which is why we can now construct an additional 5 MW."



Bhutan s new solar panels



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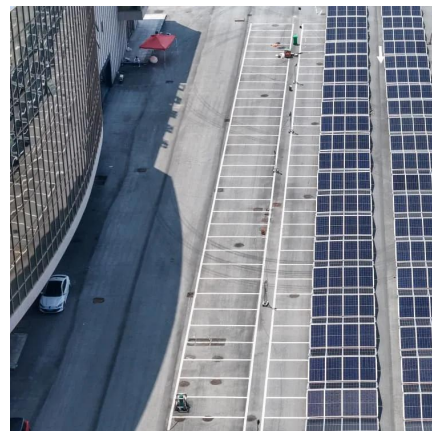
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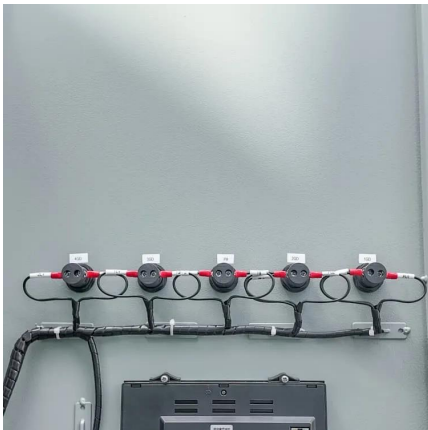
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