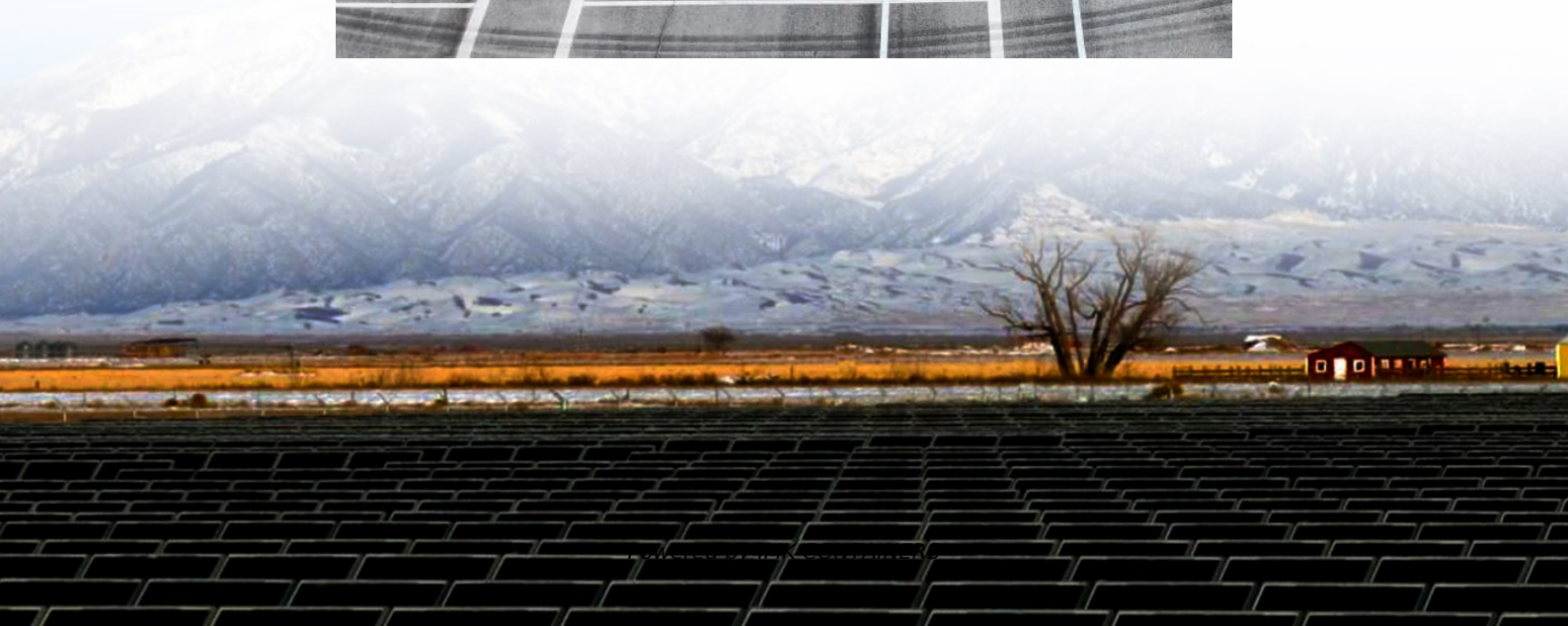
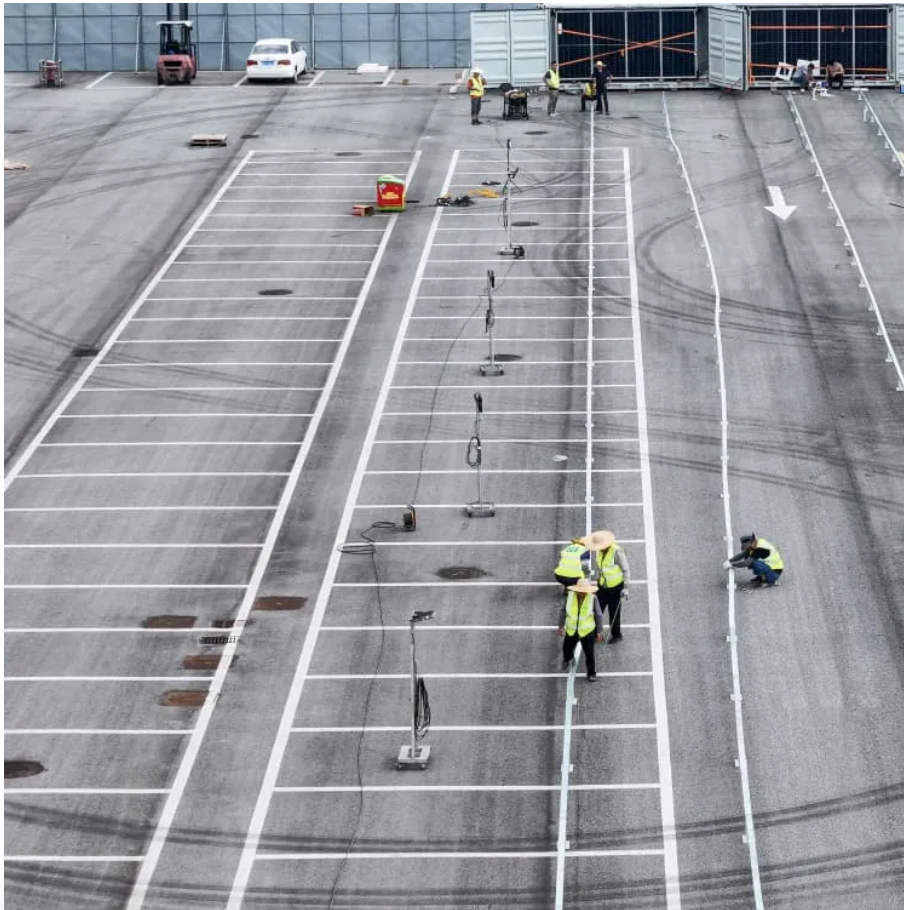


Khartoum solar bifacial module manufacturer





Overview

What are bifacial photovoltaic modules?

Bifacial photovoltaic modules are solar panels designed to generate energy from both the front and back sides. Utilizing bifacial solar cells, their back side is encapsulated with transparent materials like glass or a transparent backsheet.

Are bifacial solar modules a good investment?

Bifacial solar modules deliver higher power generation, especially where space is at a premium, adding more production of electricity at a marginally higher installation cost, so LOCE costs are reduced. 2. Higher lifetime power yield.

How do bifacial solar modules maximize energy production?

To maximize energy production, bifacial modules utilize light reflected from the ground, with higher reflectance leading to improved efficiency. The reflectance ranking of ground surfaces is: snow > sand/concrete > soil > grass > water. To maximize solar radiation during installation, position the module at the optimal angle and direction.

How much power does a bifacial module produce?

For example, if the rear side of a bifacial module produces 350 watts and the front side generates 500 watts, the bifacial rate is calculated as $350/500 = 70\%$. This demonstrates that the rear side's power generation capacity is 70% of the front side's output.



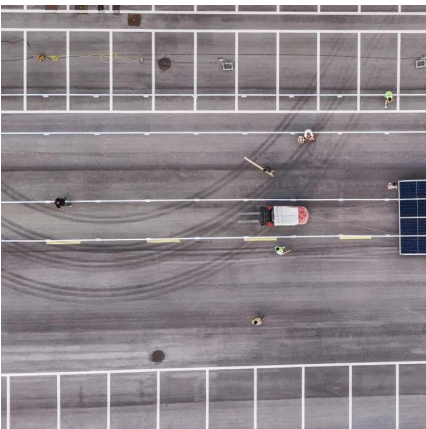
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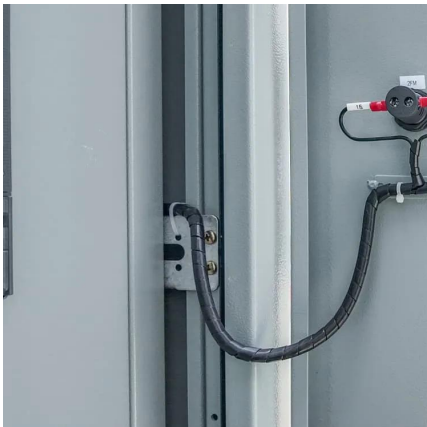
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