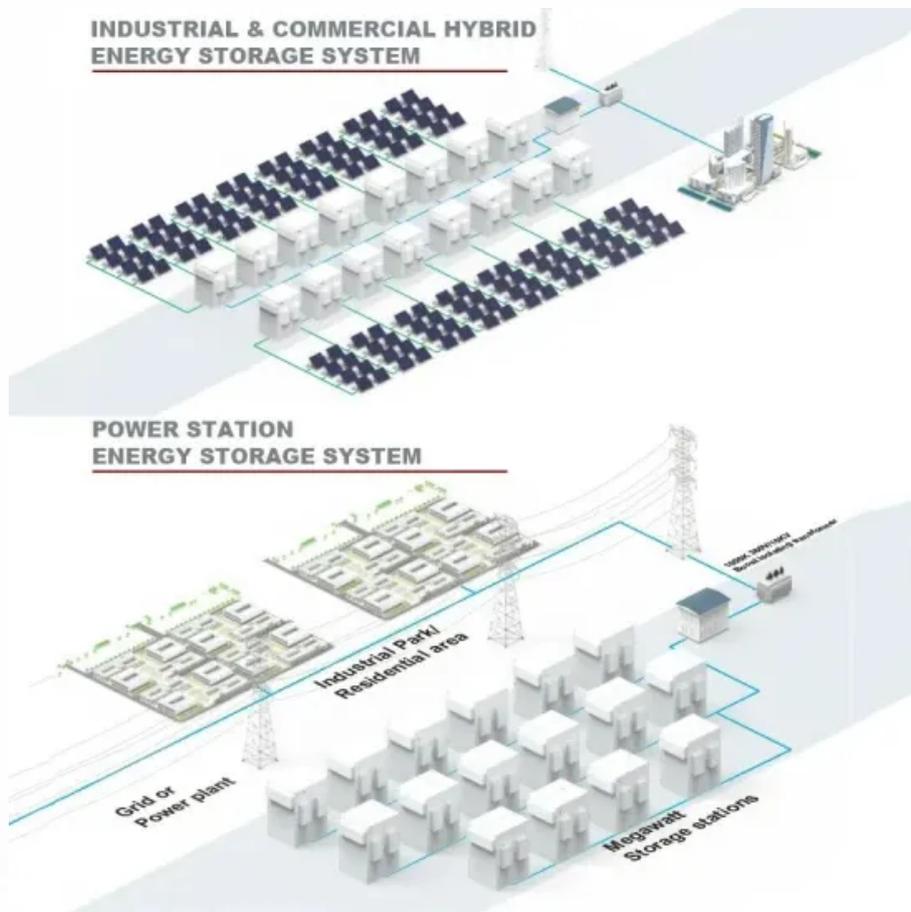


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Burundi bifacial solar panels



Overview

With 18% annual growth in Burundi's renewable energy sector (2023 Energy Ministry Report), double-sided (bifacial) solar panels have become the go-to solution for commercial and industrial projects. How efficient are bifacial solar panels?

One such invention is Bifacial solar panels that are claimed to have an efficiency of 27% which is 11% more than mono-facial panels. Even if we look at overall trends, the market share of BF technology is continuously increasing since 2017.

How do bifacial solar panels work?

Traditional solar panels, known as monofacial panels, only use one side of the module for this process. The light that isn't absorbed by the panel is reflected away. Bifacial solar panels are different. These types of panels have solar cells on both sides, enabling them to absorb light from the front and the back.

Can bifacial panels be installed vertically?

Vertical & Special Installations: With relatively less reliance on direct light, bifacial panels can be installed vertically, which is particularly beneficial in special installations such as vertical street lights, bifacial solar fences and bifacial solar facades.

Should I switch from monofacial to bifacial solar panels?

Bifacial solar panels are more sensitive to shading on either side. Otherwise, it might be not necessary to switch your choice from monofacial to bifacial technology.

What is bifacialize solar?

The term 'bifacialize' isn't widely used in the industry, but it refers to the process of designing and manufacturing solar panels to harness energy from both the front and back sides, boosting overall efficiency and energy output.

Should bifacial solar panels be aligned?

Ideally, bifacial panels should be aligned to ensure maximum sunlight exposure on both sides throughout the day. Plus, the tilt angle should be optimized based on the local latitude to maximize solar radiation capture. Bifacial solar panels are more sensitive to shading on either side.

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