

Price of bifacial and single-sided solar panels





Overview

What are bifacial solar panels?

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. By capturing light reflected off the ground through the backside of the panel, each panel is able to produce more electricity.

Are bifacial solar panels better than monofacial panels?

The technology behind solar panels continues to evolve and improve. Manufacturers are now able to produce bifacial panels, which feature energy-producing solar cells on both sides of the panel. With two faces capable of absorbing sunlight, bifacial solar panels can be more efficient than traditional monofacial panels – if used appropriately.

How much does a bifacial solar system cost?

Monofacial: ₹35 – ₹60 per watt (approx.), making it ₹2.1 – ₹3.6 lakh for a 6 kW system. Bifacial: Slightly higher, ₹55 – ₹85 per watt, totaling ₹3.3 – ₹5.1 lakh. Plus, bifacial solar systems usually need elevated racks and careful placement to minimise rear shading, which bumps up installation costs by 15 – 25%.

Are bifacial solar panels suitable for rooftop installations?

Bifacial solar panels are not suitable for rooftop installations but may work well with residential ground-mounted solar systems. The ideal use case for bifacial solar panels is in commercial and utility-scale solar installations.



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Compare monofacial and bifacial solar panels by cost, efficiency, and site suitability. Choose the best solar panel type for your home or business in 2025.



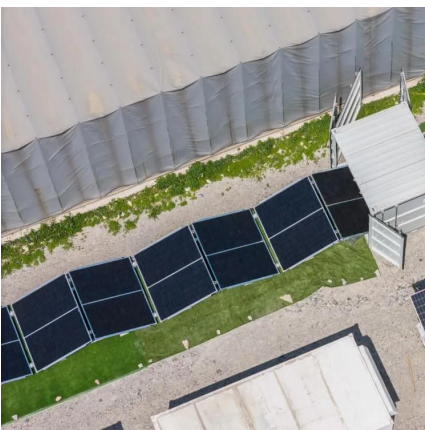
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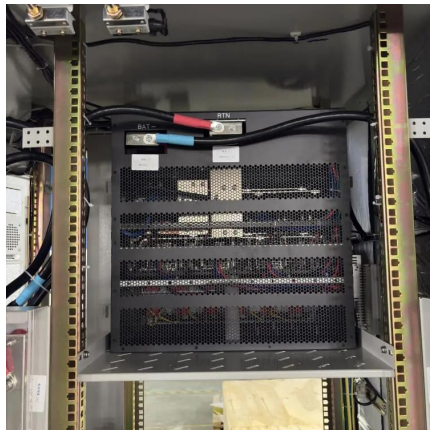
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