

Bifacial Solar Module with 210mm Silicon Wafers

This bifacial solar module integrates 210mm silicon wafers with PERC and multi-busbar cell technology. The module's power output exceeds 600W on the front side, with a rear side power generation gain between 10-30% depending on the installation environment.



Overview

High-Performance Bifacial Solar Solution

This advanced bifacial solar module utilizes 210mm silicon wafers and high-efficiency PERC cell technology to maximize energy harvest. By capturing sunlight on both sides, it delivers significantly higher energy yields compared to traditional monofacial modules. Designed for large-scale utility projects, the robust dual-glass construction ensures long-term reliability by mitigating common issues like micro-cracks, snail trails, and UV aging.

Technical Performance

Key Performance Indicators

670 W Max Power Output	21.57 % Module Efficiency	70 % Bifaciality
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System Economic Benefits

Metric	Impact
System Efficiency	82.5%
Generation Benefit	+0.7%
BoS Savings	-4.4%
LCOE Reduction	-4.3%

Design Features

Advanced Construction

- Bifacial PERC cell technology
- 12BB Multi-busbar design
- 0.8mm optimized cell spacing
- High-power junction box
- 37% thicker frame profile for durability

Environmental Performance

Additional Yield by Environment

Surface Type	Energy Yield Gain
Sand	9-13%
Water	3-5%
Grassland	6-9%
White Painted Ground	18-21%

Key Features

Dual Glass Structure, Reduced Hot Spot Risk, Excellent Temp Coefficient, Shading Impact Reduction