

Half-Cell N-Type Bifacial Monocrystalline Solar Panel

Bifacial solar panels capture sunlight on both the front and back surfaces, increasing energy production compared to single-sided panels. Systems using bifacial panels with solar trackers can produce significantly more solar energy than conventional panel systems.



Product Overview

High-Efficiency Bifacial Solar Solution

This half-cell N-type bifacial monocrystalline solar panel is engineered for maximum energy generation and long-term reliability. By utilizing advanced SMBB and Hot 2.0 technologies, it offers superior light trapping, current collection, and reduced degradation. The bifacial design captures energy from both sides, significantly increasing power output and lowering the Levelized Cost of Energy (LCOE) for residential, commercial, and utility-scale projects.

Performance Metrics

Power Output Increase

5 %

Minimum Power Increase

25 %

Maximum Power Increase

Technical Specifications

Mechanical Load Capacity

Load Type	Capacity
Wind Load	2400 Pascal
Snow Load	5400 Pascal

Key Technologies

SMBB Technology, Hot 2.0 Technology, Bifacial Design, Half-Cell Architecture

Durability & Reliability

Durability Features

- PID Resistance: Excellent anti-PID performance via optimized mass-production process
- Enhanced Mechanical Load: Certified for high wind and snow loads
- Lower LID/LETID: Improved reliability with Hot 2.0 technology