

# **N-type bifacial double-glass module system efficiency**





## Overview

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Which bifacial double glass module produces more energy?

The bifacial double glass module produces more energy. Our N-type models have superior bifaciality. This means that the rear side of the module can produce up to 85% of the energy generated by the front side. Thus, the panel generates more energy overall. Lower degradation means a higher return on investment.

Why are n-type bifacial modules so popular?

Interest in N-type bifacial modules has rapidly increased due to their ability to generate more power than conventional P-type bifacial thanks to their higher bifacial factor, lower degradation, lower temperature coefficient in addition more energy density and power class.

Which bifacial factor is better n-type Topcon solar cells?

The reflectance and transmittance of n-type modules with glass/glass structures can maximize the higher bifacial Factor advantage of n-type TOPCon cell, providing approximately 10W more, as compared with glass/transparent backsheet modules using the same n-type TOPCon bifacial solar cells.

How long does a glass-glass bifacial module last?

Besides glass-glass bifacial modules could provide a minimum of 30 years thanks to the better resistance to corrosion, abrasion, extreme weather, shock, and vibration that ensures N-type module safety during production, transport, installation and long-term power generation and prevents new invisible cell cracking



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EVO 6R 600-625W N Type TOPCon Bifacial Double-glass ...

Jun 8, 2024 · Bifacial with Double-Glass Module adopts 182\*210mm half cells, bifacial module provide an additional 5%~25% output.

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Bifacial Double-glass TOPCon PV Modules

Product Description CSG's bifacial double-glass TOPCon solar modules deliver high power output, excellent durability, and long-term reliability. Featuring 132, 144, or 156 high ...

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BIFACIAL DOUBLE GLASS MODULE

Feb 3, 2025 · Linear Performance Warranty Key Features Power Performance N-Monocrystalline silicon with silicon nitride layers for higher reliability N-TYPE Technology M10 Better light ...

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DAS-DH132NE-EN-600-625(2382-1134-30)

Nov 28, 2024 · Bifacial solar cell, Appearance design, Performance symmetrical low risk of micro-crack High Reliability Passed 30 years 3\*IEC power standard warranty test,15 years materials ...

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The Glass-glass Module Using n-type Bifacial Solar Cell with ...

Aug 1, 2016 · In this work, the industrial glass-glass module was developed using bifacial n-type solar cell. The passivation emitter and rear total diffusion cells (PERT) structure solar cell ...

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N-Type Bifacial Module with Double Glass Type: ...

Aug 15, 2024 · Type: DMxxxM10T-B72HSW Power Range: 575 - 590 W Max. Efficiency : 22.8 % Bifacial Module Application Up to 25 % higher electricity yields due to active cell technology in ...

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Vertex N 620W+ Bifacial , Trinasolar

1 day ago · The bifacial double glass module produces more energy. Our N-type models have superior bifaciality. This means that the rear side of the module can produce up to 85% of the ...

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Tiger Neo N-Type TOPCon Module

Apr 8, 2024 · PRODUCTION Higher power, bifaciality, efficient production under extreme conditions, combined with the lower degradation, no LID and LeTID effects and a glass-glass ...

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For N-type Bifacial Technology, Dual Glass Structure is ...

Feb 28, 2023 · Interest in N-type bifacial modules has rapidly increased due to their ability to generate more power than conventional P-type bifacial thanks to their higher bifacial factor, ...

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