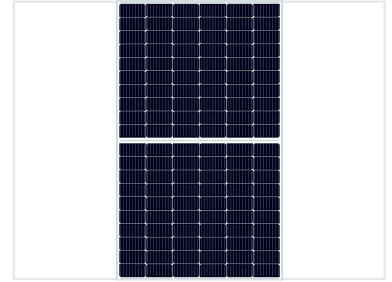
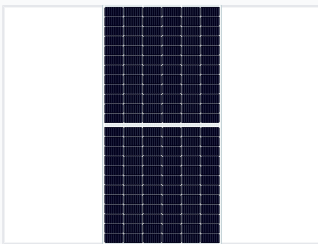


# Dual-Glass Bifacial Monocrystalline Solar Panel

This high-efficiency solar panel features Ga-doped silicon wafers and SE technology to enhance cell conversion. The dual-glass structure improves weatherability and reduces the risk of cell cracking.



## ADDITIONAL IMAGES



## Overview

Detailed technical specifications and certification standards for the high-efficiency JNB144 series.

## High-Efficiency Bifacial Solar Module

This dual-glass bifacial monocrystalline solar module is engineered for optimal energy yield in diverse environments. Utilizing Ga-doped silicon wafers and SE technology, the module effectively minimizes LID and LeTID effects while maximizing cell conversion efficiency. The robust dual-glass structure and aluminum frame design enhance durability, weatherability, and mechanical performance, ensuring reliable operation even under heavy snow and wind loads. Compatible with 1500V systems, this module offers a sustainable, high-performance solution for utility-scale and commercial projects.

## Key Features

### Performance Metrics

<b>22.8 %</b> Cell Efficiency	<b>5400 Pa</b> Max Snow Load	<b>2400 Pa</b> Max Wind Load	<b>1500 V</b> Max System Voltage
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### Advanced Technologies

Bifacial Design, Dual-Glass Structure, Half-Cell Design, MBB Technology, Ga-doped Silicon, SE Technology

## Mechanical Specifications

High-efficiency dual-glass bifacial mono-crystalline solar module JNBM120 (100-170)

Comprehensive electrical and mechanical data for the JNBM120 solar module range.

Comprehensive electrical and mechanical data for the JNBM120 solar module range.

High-efficiency dual-glass bifacial mono-crystalline solar module JNBM144 (140-150)

Detailed mechanical layout and electrical performance data for the JNBM144 series.

Detailed mechanical layout and electrical performance data for the JNBM144 series.

## Physical Characteristics

Parameter	JNBM120 Series	JNBM144 Series
Dimensions (mm)	1755 x 1038 x 30	2094 x 1038 x 30
Weight (kg)	22.2	26.3
Cell Configuration	120 (6x20)	144 (6x24)
Glass Thickness (mm)	4	4

## Environmental Protection

IP68 Junction Box • Class C Fire Rating • Anti-PID • 100% Hot Spot Free

## Warranty & Quality

### Linear Power Output Guarantee

- 1st Year: e97.5%
- 12th Year: e92.0%
- 30th Year: e83.0%

### Product Warranty

12 years

## Electrical Parameters

### Temperature Coefficients

Parameter	Value
NMOT	43 ± 2 °C
Voc Coefficient	-0.29 %/°C
Isc Coefficient	0.04 %/°C
Pm Coefficient	-0.37 %/°C