

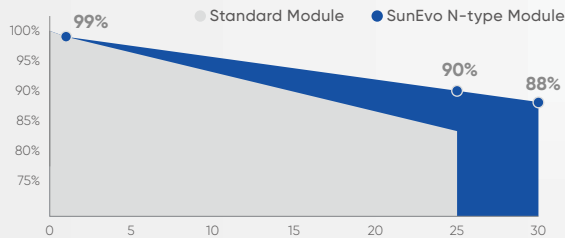
EVO 5 Pro

555-575W

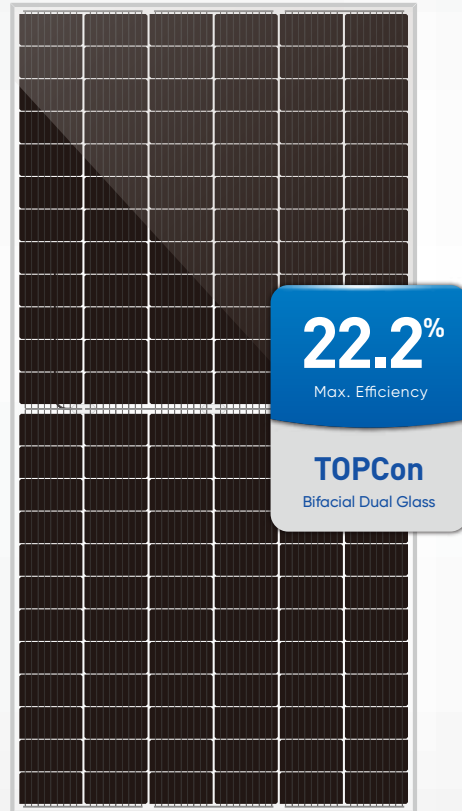
N-type TOPCon Half Cell MBB Bifacial Dual Glass Module

Quality Guarantee

12-Year Warranty for Materials and Processing
30-Year Warranty for Extra Linear Power Output



* Please refer to SunEvo standard warranty for details



SE5-72HBD

10-30% Additional Power Generation

30 years lifespan brings 10-30% additional power generation comparing with conventional P-type module

ZERO LID (Light Induced Degradation)

N-type solar cell has no LID naturally which can increase power generation

Better Weak Illumination Response

Higher power output even under low-light environments like on cloudy or foggy days

Better Temperature Coefficient

Higher power generation under working conditions thanks to passivating contact cell technology

Complete System and Product Certifications

IEC 61215, IEC 61730, UL 61730

ISO 9001: 2015: ISO Quality Management System

ISO 14001: 2015: ISO Environment Management System

ISO 45001: 2018: Occupational Health and Safety

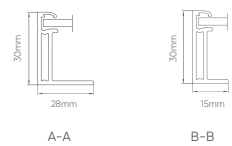
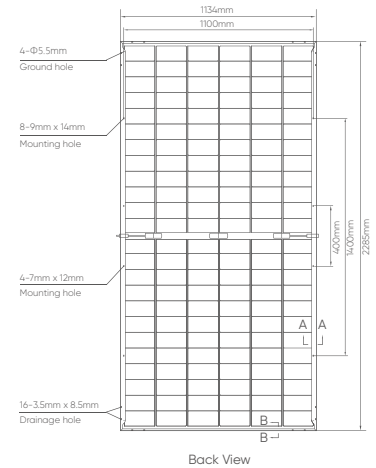


Mechanical Data

| | |
|----------------------------|--|
| Number of Cells | 144 Cells (6x24) |
| Dimensions of Module L*W*H | 2285 x 1134 x 30mm |
| Weight | 32.5kg |
| Front Side Glass | High transparency solar glass 2.0mm |
| Back Side Glass | High transparency solar glass 2.0mm |
| Frame | Black/Silver, anodized aluminium alloy |
| Junction Box | IP68 Rated, 3 Diodes |
| Cable | 4.0mm ² , Portrait: 300mm / Landscape: 1400mm |
| Wind/Snow Load | 2400Pa/5400Pa* |
| Connector | MC Compatible |
| Bifaciality | 80±5% |

* Please check the installation manual for more details

Module Dimension



Electrical Specification (STC*)

| | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W) | 555 | 560 | 565 | 570 | 575 |
| Maximum Power Voltage (Vmp/V) | 42.2 | 42.4 | 42.6 | 42.8 | 43.0 |
| Maximum Power Current (Imp/A) | 13.16 | 13.21 | 13.27 | 13.32 | 13.38 |
| Open Circuit Voltage (Voc/V) | 50.4 | 50.6 | 50.8 | 51.0 | 51.2 |
| Short Circuit Current (Isc/A) | 13.93 | 13.99 | 14.05 | 14.11 | 14.17 |
| Module Efficiency (%) | 21.42 | 21.61 | 21.80 | 22.19 | 22.19 |
| Power Output Tolerance (W) | 0~+5 | | | | |

* Irradiance 1000W/m², Cell Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

| | | | | | |
|---------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax / W) | 421 | 424 | 428 | 432 | 436 |
| Maximum Power Voltage (Vmp / V) | 39.6 | 39.8 | 40.0 | 40.2 | 40.4 |
| Maximum Power Current (Imp / A) | 10.61 | 10.65 | 10.70 | 10.74 | 10.79 |
| Open Circuit Voltage (VOC / V) | 48.2 | 48.4 | 48.6 | 48.7 | 48.9 |
| Short Circuit Current (Isc / A) | 11.23 | 11.28 | 11.33 | 11.38 | 11.42 |

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Maximum Ratings

| | |
|-------------------------|-----------|
| Operational Temperature | -40~+85°C |
| Maximum System Voltage | 1500V DC |
| Max Series Fuse Rating | 30A |

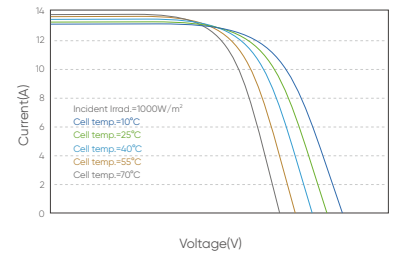
Temperature Ratings

| | |
|---|------------|
| NOCT (Nominal Operating Cell Temperature) | 42±2°C |
| Temperature Coefficient of Isc | +0.046%/°C |
| Temperature Coefficient of Voc | -0.260%/°C |
| Temperature Coefficient of Pmax | -0.310%/°C |

Packaging Configuration

| | |
|--------------------------|------------|
| Module per Box | 35 pieces |
| Module per 40' Container | 700 pieces |

I-V Curve at Different Temperature (555W)



I-V/P-V Curve at Different Temperature (555W)

