

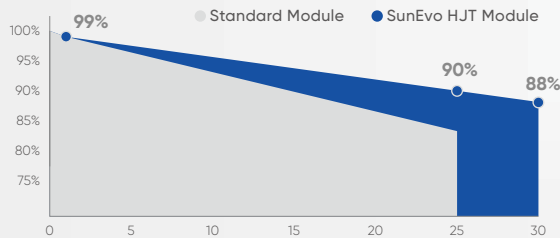
# EVO 6 Pro

## 560-580W

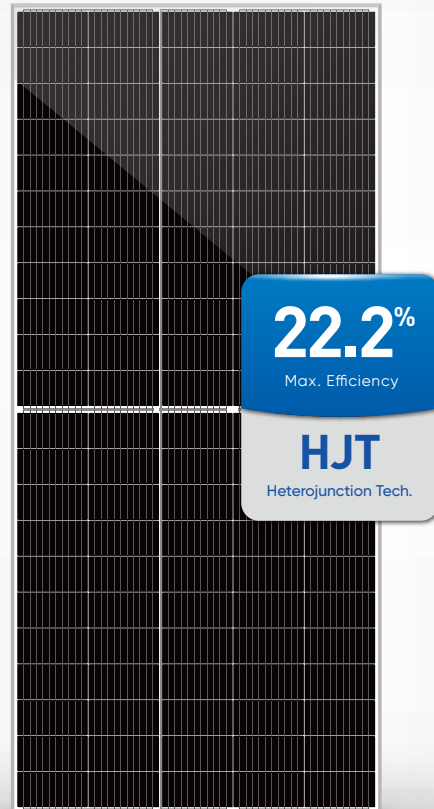
### HJT Bifacial Half Cell Dual Glass Solar Module

#### 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



SE6-55HBD

#### High Power up to 580W

HJT Bifacial cells based on 210mm silicon wafers,  
High module efficiency with high density interconnect technology

#### High Energy Yield

Excellent low irradiation performance,  
Up to 25% additional power gain from back side

#### High Reliability

Resistant to harsh environments such as salt, ammonia, sand,  
high temperature and high humidity areas

#### High Customer Value

Lowest guaranteed first year and annual degradation,  
Compatible with existing mainstream system components

#### 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            | 110 Cells (5x22)                                     |
| Dimensions of Module L*W*H | 2384 x 1096 x 35mm                                   |
| Weight                     | 32.3kg   |
| 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 <sup>2</sup> , 200mm(length can be customized) |
| Wind/Snow Load             | 2400Pa/5400Pa*                                       |
| Connector                  | MC4 Compatible                                       |
| Bifaciality                | 80±5%  |

\* Please check the installation manual for more details

## Electrical Specification (STC\*)

|                               |       |       |       |       |       |
|-------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax/W)        | 560   | 565   | 570   | 575   | 580   |
| Maximum Power Voltage (Vmp/V) | 34.17 | 34.35 | 34.53 | 34.71 | 34.88 |
| Maximum Power Current (Imp/A) | 16.39 | 16.45 | 16.51 | 16.57 | 16.63 |
| Open Circuit Voltage (Voc/V)  | 40.77 | 40.96 | 41.16 | 41.35 | 41.54 |
| Short Circuit Current (Isc/A) | 17.19 | 17.25 | 17.31 | 17.37 | 17.43 |
| Module Efficiency (%)         | 21.4  | 21.6  | 21.8  | 22.0  | 22.2  |
| Power Output Tolerance (W)    | 0~+5  |       |       |       |       |

\* Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass 1.5

## Electrical Specification (BSTC\*)

|                                 |       |       |       |       |       |
|---------------------------------|-------|-------|-------|-------|-------|
| Maximum Power (Pmax / W)        | 618   | 623   | 629   | 634   | 640   |
| Maximum Power Voltage (Vmp / V) | 34.17 | 34.35 | 34.53 | 34.71 | 34.88 |
| Maximum Power Current (Imp / A) | 18.09 | 18.14 | 18.22 | 18.27 | 18.35 |
| Open Circuit Voltage (VOC / V)  | 40.77 | 40.96 | 41.16 | 41.35 | 41.54 |
| Short Circuit Current (Isc / A) | 18.97 | 19.02 | 19.10 | 19.15 | 19.23 |

\* Front side Irradiance 1000W/m<sup>2</sup>, back side Irradiance 135W/m<sup>2</sup>, Ambient Temperature 25°C, Air Mass 1.5

## Maximum Ratings

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

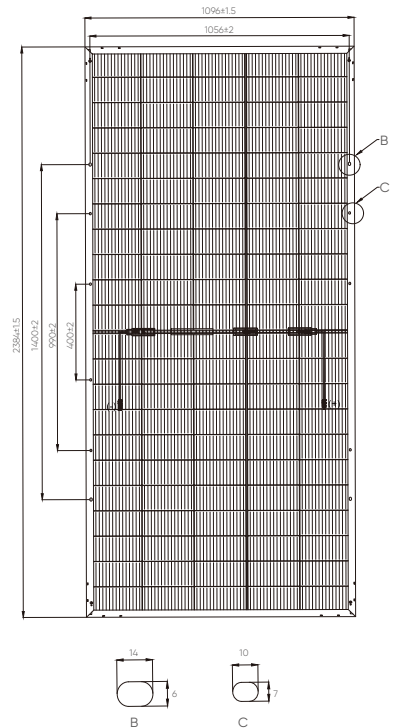
## Packaging Configuration

|                          |            |
|--------------------------|------------|
| Module per Box           | 31 pieces  |
| Module per 40' Container | 620 pieces |

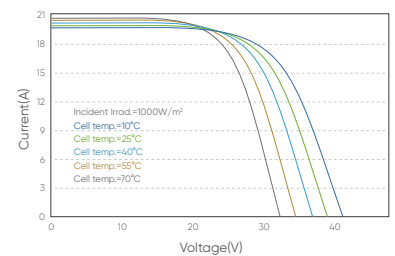
## Temperature Ratings

|   |           |
|---|-----------|
| NOCT (Nominal Operating Cell Temperature) | 44±2°C    |
| Temperature Coefficient of Isc            | +0.04%/°C |
| Temperature Coefficient of Voc            | -0.24%/°C |
| Temperature Coefficient of Pmax           | -0.26%/°C |

## Module Dimension



I-V Curve at Different Temperature (580W)



I-V/P-V Curve at Different Temperature (580W)

