

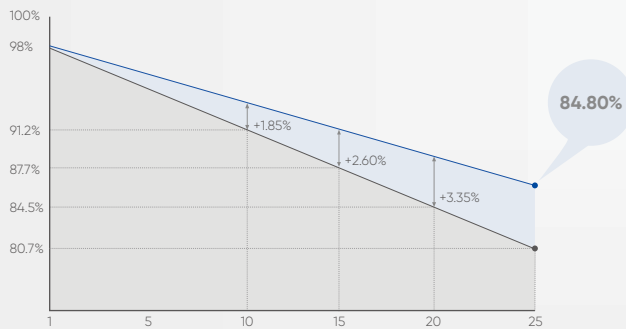
# EVO 5

## 540-560W

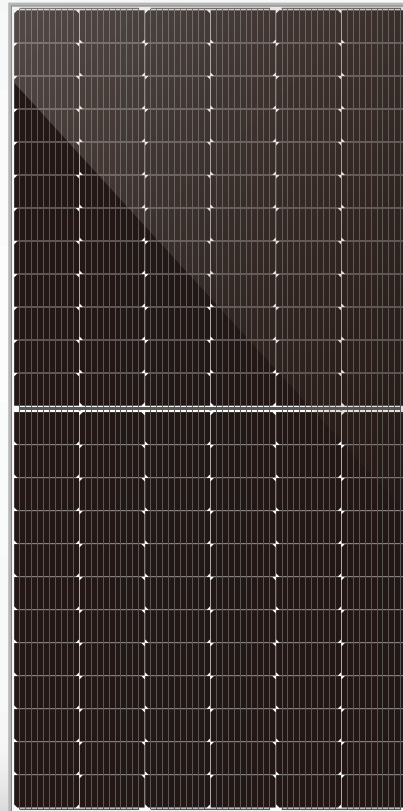
### PERC MBB Half Cell Monocrystalline Module

#### Quality Guarantee

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



\* Please refer to SunEvo standard warranty for details



SE5-72H

#### High Power up to 560W

Large area cells based on 182mm silicon wafers,  
High module efficiency with high density interconnect technology

#### High Energy Yield

Excellent low irradiation performance,  
Lower temperature coefficient and operating temperature

#### 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	144 Cells (6x24)
Dimensions of Module L*W*H	2279 x 1134 x 35mm
Weight	26.9kg
Front Side Glass	High transparency solar glass 3.2mm
Backsheet	White
Frame	Black/Silver, anodized aluminium alloy
Junction Box	IP68 Rated, 3 Diodes
Cable	4.0mm <sup>2</sup> , Portrait: 300mm / Landscape: 1400mm
Wind/Snow Load	2400Pa/5400Pa*
Connector	MC Compatible

\* Please check the installation manual for more details

## Electrical Specification (STC\*)

Maximum Power (Pmax/W)	540	545	550	555	560
Maximum Power Voltage (Vmp/V)	42.06	42.35	42.64	42.93	43.22
Maximum Power Current (Imp/A)	12.84	12.87	12.90	12.93	12.96
Open Circuit Voltage (Voc/V)	49.75	49.98	50.22	50.45	50.68
Short Circuit Current (Isc/A)	13.63	13.66	13.70	13.73	13.76
Module Efficiency (%)	21.1	21.3	21.5	21.7	21.9
Power Output Tolerance (W)			0~+5		

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

## Electrical Specification (NMOT\*)

Maximum Power (Pmax / W)	408.6	412.4	416.2	420.0	423.8
Maximum Power Voltage (Vmp / V)	39.01	39.28	39.55	39.82	40.09
Maximum Power Current (Imp / A)	10.47	10.50	10.52	10.55	10.57
Open Circuit Voltage (VOC / V)	46.96	47.18	47.40	47.62	47.85
Short Circuit Current (Isc / A)	10.92	10.94	10.97	10.99	11.02

\* Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s

## Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC
Max Series Fuse Rating	25A

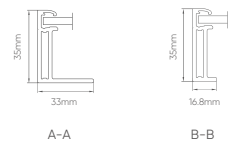
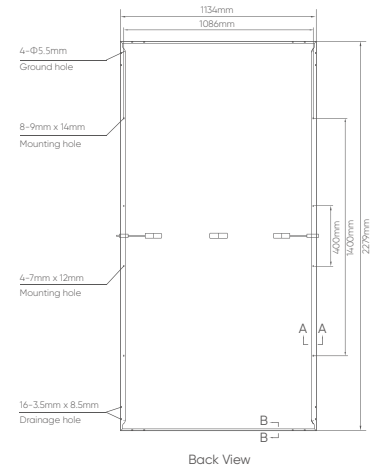
## Packaging Configuration

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

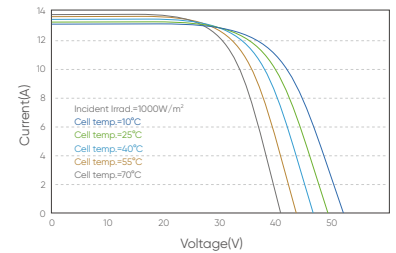
## Temperature Ratings

NMOT (Nominal Module Operating Temperature)	43±2°C
Temperature Coefficient of Isc	+0.05%/°C
Temperature Coefficient of Voc	-0.28%/°C
Temperature Coefficient of Pmax	-0.36%/°C

## Module Dimension



I-V Curve at Different Temperature (555W)



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

