

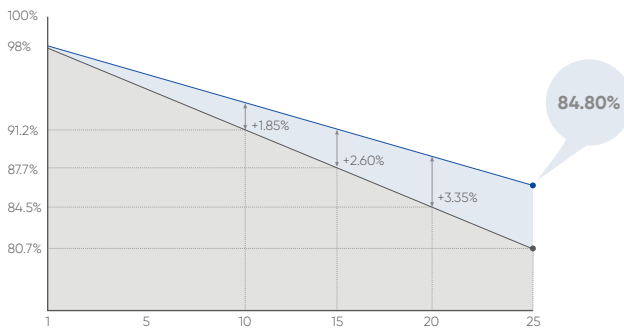
# EVO5

## 485-505W

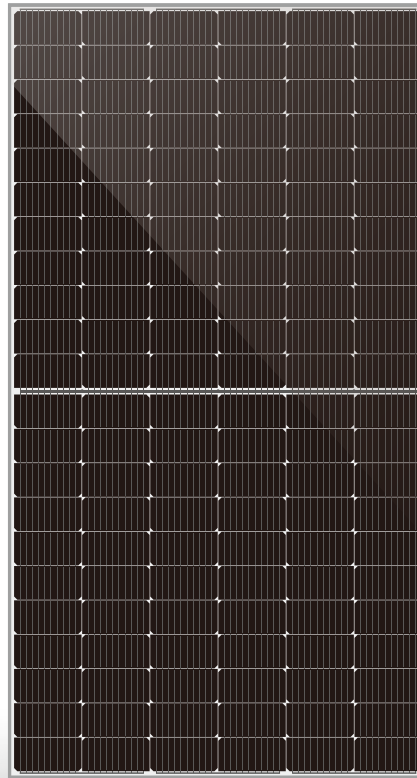
### PERC MBB Half Cell Monocrystalline Module

#### 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



SE5-66H

#### High Power up to 505W

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	132 Cells (6x22)
Dimensions of Module L*W*H	2094 x 1134 x 35mm
Weight	25.5kg
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)	485	490	495	500	505
Maximum Power Voltage (Vmp/V)	40.08	40.26	40.44	40.62	40.79
Maximum Power Current (Imp/A)	12.10	13.06	12.24	12.31	12.38
Open Circuit Voltage (Voc/V)	48.34	48.51	48.67	48.83	48.98
Short Circuit Current (Isc/A)	12.99	13.06	13.13	13.20	13.27
Module Efficiency (%)	20.42	20.64	20.85	21.06	21.27
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)	365	369	373	377	381
Maximum Power Voltage (Vmp / V)	36.76	37.01	37.26	37.51	37.76
Maximum Power Current (Imp / A)	9.93	9.97	10.01	10.05	10.09
Open Circuit Voltage (VOC / V)	44.93	45.18	45.44	45.69	45.94
Short Circuit Current (Isc / A)	10.55	10.59	10.63	10.67	10.71

\* 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

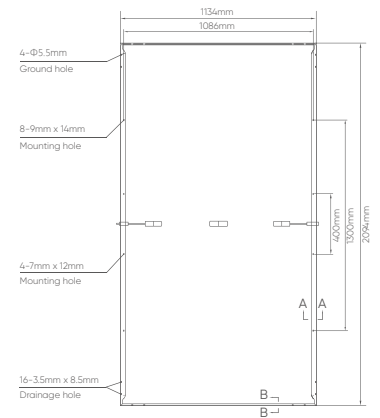
## Packaging Configuration

Module per Box	31 pieces
Module per 40' Container	682 pieces

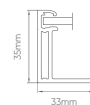
## Temperature Ratings

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

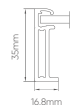
## Module Dimension



Back View

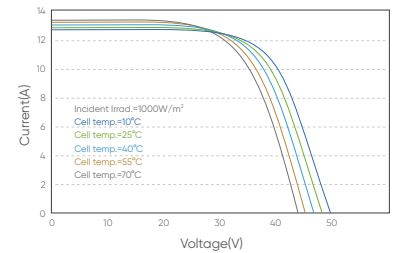


A-A



B-B

I-V Curve at Different Temperature (505W)



I-V/P-V Curve at Different Temperature (505W)

