

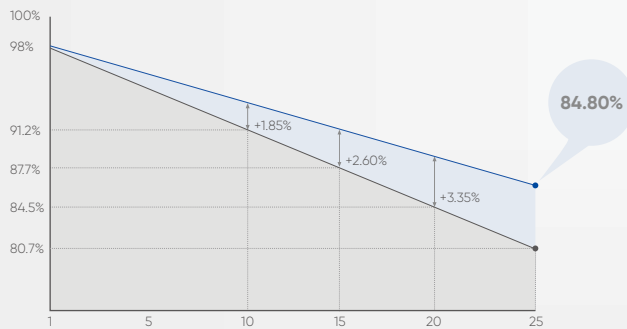
# EVO 6

## 540-560W

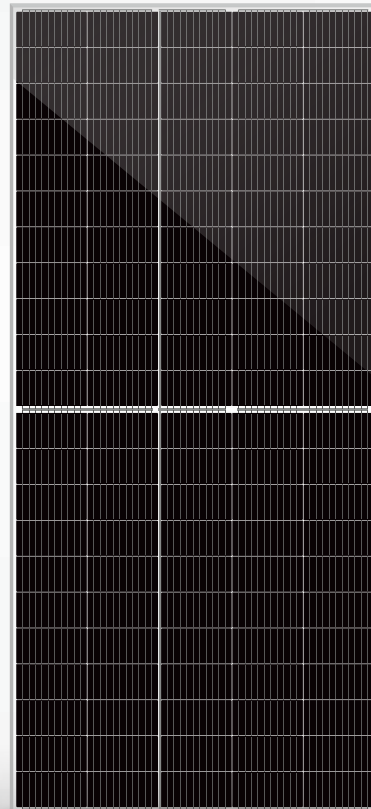
### PERC MBB Half Cell Monocrystalline Module

#### 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



SE6-55H

#### High Power up to 560W

Large area cells based on 210mm 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	110 Cells (5x22)
Dimensions of Module L*W*H	2384 x 11096 x 35mm
Weight	28.6kg
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: 280mm / Landscape: 1300mm
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)	31.2	31.4	31.6	31.8	32.0
Maximum Power Current (Imp/A)	17.33	17.37	17.40	17.45	17.49
Open Circuit Voltage (Voc/V)	37.5	37.7	37.9	38.1	38.3
Short Circuit Current (Isc/A)	18.41	18.47	18.52	18.56	18.60
Module Efficiency (%)	20.7	20.9	21.0	21.2	21.4
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)	409	413	417	420	424
Maximum Power Voltage (Vmp / V)	29.0	29.2	29.3	29.5	29.7
Maximum Power Current (Imp / A)	14.10	14.15	14.19	14.23	14.26
Open Circuit Voltage (VOC / V)	35.3	35.5	35.7	35.9	36.1
Short Circuit Current (Isc / A)	14.84	14.88	14.92	14.96	14.99

\* 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	30A

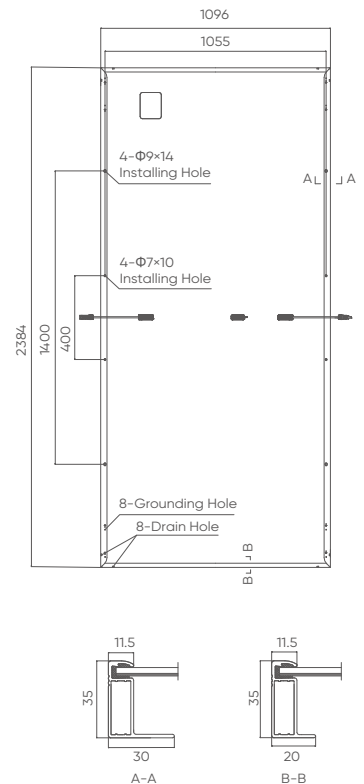
## Temperature Ratings

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

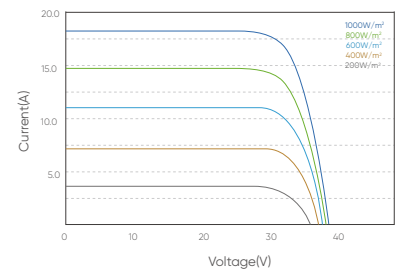
## Packaging Configuration

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

## Module Dimension



I-V CURVES OF PV MODULE (545W)



P-V CURVES OF PV MODULE (545W)

