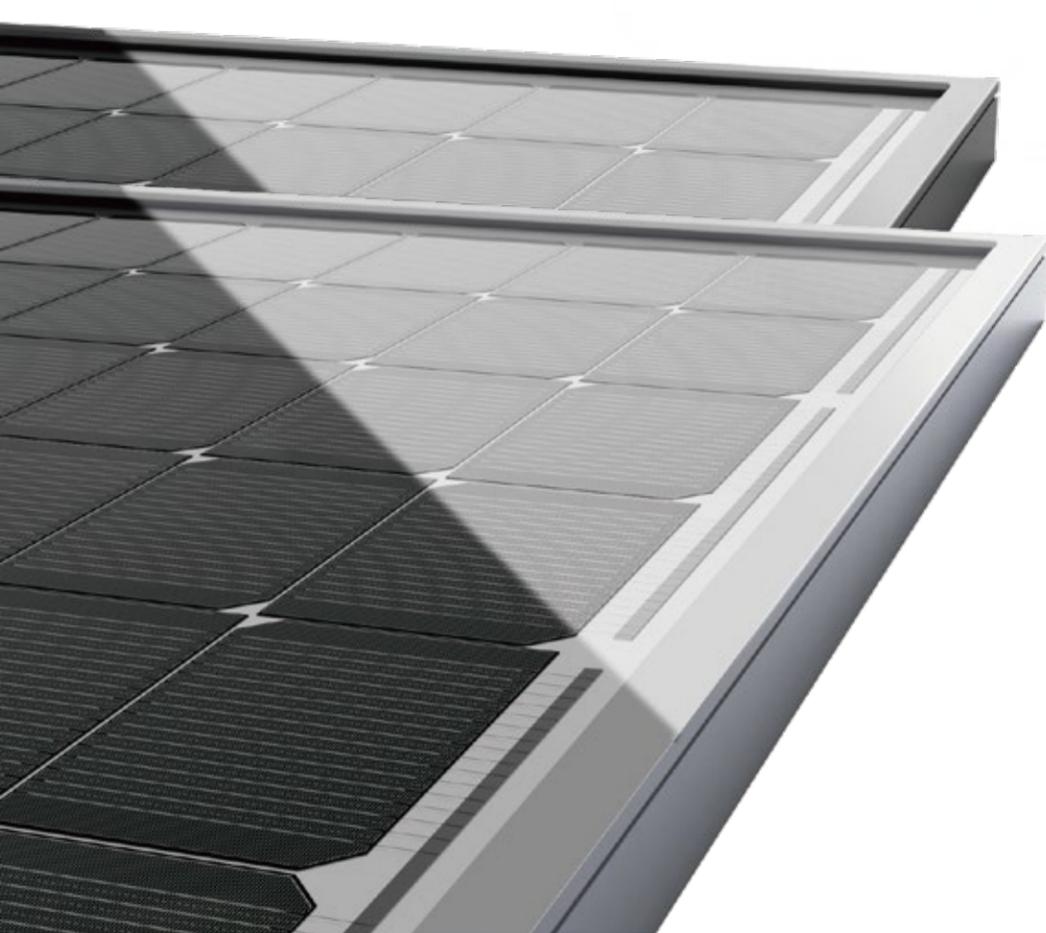




# 530~555W

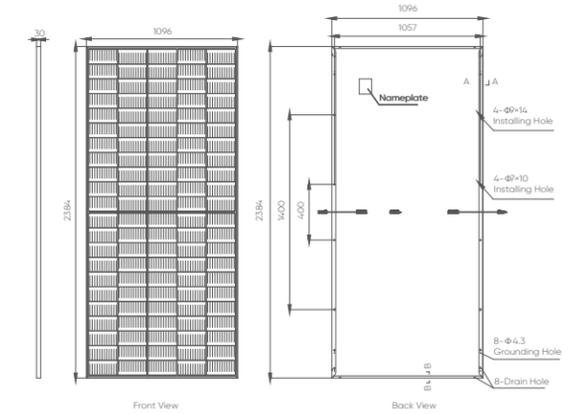
- P** Higher Module Conversion Efficiency
- Low Power Degradation**
- PID** Excellent An-PID, Low LID Performance
- Excellent Durability**
- Excellent Low Irradiance Performance**
- HOT** Reduced Hot Spot Risk



## Mechanical Parameters

|                  |                                                                              |
|------------------|------------------------------------------------------------------------------|
| Cell Orientation | 110 (2x55)                                                                   |
| Junction Box     | IP68, three diodes                                                           |
| Output Cable     | 4mm <sup>2</sup> , 300mm in length,<br>length can be customized              |
| Glass            | Single glass<br>3.2mm coated tempered glass                                  |
| Frame            | Anodized aluminum alloy frame                                                |
| Weight           | 28.3kg±3%                                                                    |
| Dimension        | 2384x1096x30mm                                                               |
| Packaging        | 36pcs per pallet<br>720pcs per 40'ft Container<br>180pcs per 20'ft Container |

|                         |                 |
|-------------------------|-----------------|
| Operational Temperature | -40°C~+85°C     |
| Power Output Tolerance  | 0~+5W           |
| Voc & Isc Tolerance     | ±3%             |
| Max. System Voltage     | DC1500V(IEC/UL) |
| Max. Series Fuse Rating | 25A             |
| NOCT                    | 45±2°C          |
| Safety Class            | II              |
| Fire Rating             | UL type 1 or 2  |
| Max. Static Load(Front) | 5400Pa          |
| Max. Static Load(Back)  | 2400Pa          |



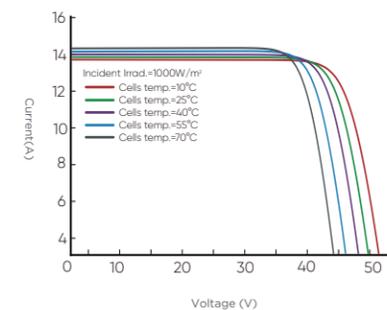
## Electrical Characteristics

| Model Number                     | SAS530M-110H |       | SAS535M-110H |       | SAS540M-110H |       | SAS545M-110H |       | SAS550M-110H |       | SAS555M-110H |            |
|----------------------------------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|-------|--------------|------------|
|                                  | STC          | NOCT       |
| Maximum Power (Pmax/W)           | 530          | 398   | 535          | 402   | 540          | 406   | 545          | 410   | 550          | 414   | 555          | 417        |
| Open Circuit Voltage (Voc/V)     | 37.30        | 35.00 | 37.50        | 35.20 | 37.70        | 35.40 | 37.90        | 35.60 | 38.10        | 35.80 | 38.30        | 36.00      |
| Short Circuit Current (Isc/A)    | 18.11        | 14.62 | 18.16        | 14.66 | 18.21        | 14.70 | 18.26        | 14.74 | 18.31        | 14.78 | 18.36        | 14.82      |
| Voltage at Maximum Power (Vmp/V) | 30.80        | 28.90 | 31.00        | 29.10 | 31.20        | 29.30 | 31.40        | 29.50 | 31.60        | 29.70 | 31.80        | 29.90      |
| Current at Maximum Power (Imp/A) | 17.21        | 13.76 | 17.26        | 13.80 | 17.31        | 13.84 | 17.36        | 13.88 | 17.41        | 13.93 | 17.46        | 13.97      |
| Module Efficiency(%)             | 20.48        |       | 20.67        |       | 20.86        |       | 21.05        |       | 21.24        |       | 21.43        |            |
| Temperature Coefficient of Isc   |              |       |              |       |              |       |              |       |              |       |              | +0.050%/°C |
| Temperature Coefficient of Voc   |              |       |              |       |              |       |              |       |              |       |              | -0.290%/°C |
| Temperature Coefficient of Pmax  |              |       |              |       |              |       |              |       |              |       |              | -0.340%/°C |

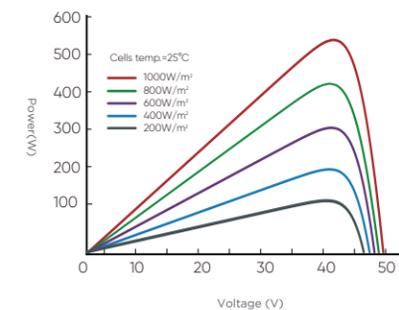
\* STC (Standard Testing Conditions): Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Spectra at AM1.5  
 \* NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s  
 \* Test uncertainty for Pmax: ±3%

## V-Curve (SAS545M-110H)

Current-Voltage Curve



Power-Voltage Curve



Current-Voltage Curve

