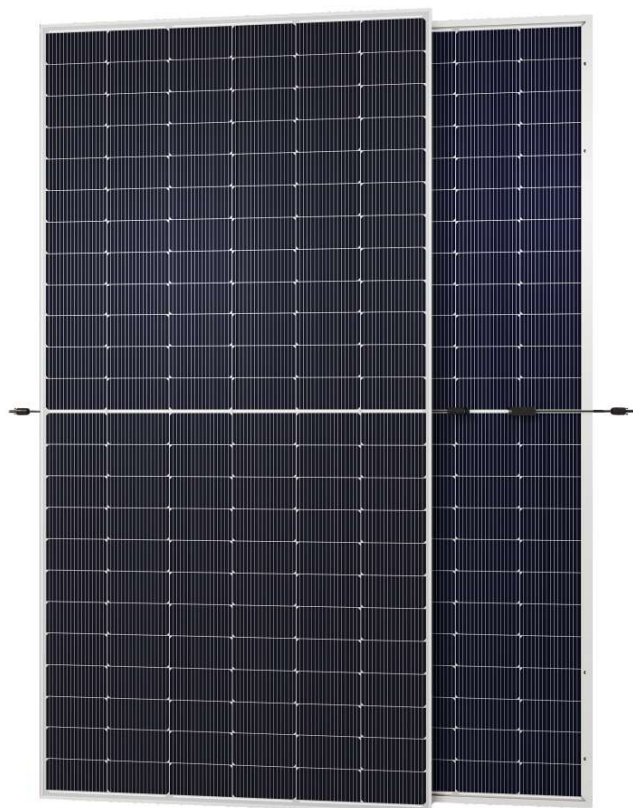


# 585W-605W

N-Type Bifacial



Excellent temperature coefficient ( $P_{max}$ ):  $-0.29/^{\circ}\text{C}$



Excellent low-light performance: extended power generation up to 1H or so in the morning and evening



Has lower LID/LeTID attenuation



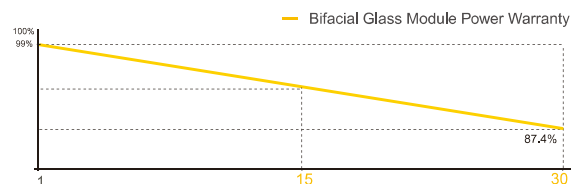
With a bifacial rate of  $80\% \pm 10\%$ , the bifacial power gain significantly reduces the LCOE as the backside is exposed to more light.



Guarantee



Warranty



IEC61215:2021/IEC61730:2023

IEC61701/IEC62716/IEC60068/IEC62804

ISO9001:2015(Quality management systems)

ISO14001:2015(Environmental management systems)

ISO45001:2018(Occupational health and safety )

ISO14067:2018/PAS2050:2011

**SPECIFICATION (STC)** Irradiance at 1000 W/m<sup>2</sup>, Cell Temp 25°C, Air Mass AM1.5

| MODEL TYPE                   | ODA585-36V-MHD | ODA590-36V-MHD | ODA595-36V-MHD | ODA600-36V-MHD | ODA605-36V-MHD |
|------------------------------|----------------|----------------|----------------|----------------|----------------|
| Rated Peak Power-Pmax(Wp)    | 585.00         | 590.00         | 595.00         | 600.00         | 605.00         |
| Maximum Power Voltage-Vmp(V) | 44.81          | 44.87          | 44.93          | 44.99          | 45.05          |
| Maximum Power Current-Imp(A) | 13.05          | 13.15          | 13.24          | 13.34          | 13.43          |
| Open Circuit Voltage-Voc(V)  | 52.72±3%       | 52.79±3%       | 52.86±3%       | 52.93±3%       | 53.00±3%       |
| Short Circuit Current-Isc(A) | 13.87±3%       | 13.97±3%       | 14.07±3%       | 14.17±3%       | 14.27±3%       |
| Module Efficiency(%)         | 22.65          | 22.84          | 23.03          | 23.23          | 23.42          |

**ELECTRICAL DATA(BNPI)** Irradiance at 1000 W/m<sup>2</sup>, Back Irradiance 135 W/m<sup>2</sup>, Cell Temp 25°C, Air Mass AM1.5

|                              |          |          |          |          |          |
|------------------------------|----------|----------|----------|----------|----------|
| Rated Peak Power-Pmax(Wp)    | 648.00   | 654.00   | 659.00   | 665.00   | 671.00   |
| Maximum Power Voltage-Vmp(V) | 44.95    | 45.01    | 45.07    | 45.13    | 45.19    |
| Maximum Power Current-Imp(A) | 14.42    | 14.53    | 14.63    | 14.74    | 14.84    |
| Open Circuit Voltage-Voc(V)  | 52.88±3% | 52.95±3% | 53.02±3% | 53.09±3% | 53.16±3% |
| Short Circuit Current-Isc(A) | 15.33±3% | 15.44±3% | 15.55±3% | 15.66±3% | 15.77±3% |

**MECHANICAL CHARACTERISTICS**

|                                |                                                                               |
|--------------------------------|-------------------------------------------------------------------------------|
| Cell Type (mm)                 | 182*91 N-Type Mono                                                            |
| No. Of Cells                   | 144(12*12)                                                                    |
| Module Dimensions(mm)          | 2278*1134*30                                                                  |
| Weight                         | 31.50 kg                                                                      |
| Bifacial Glass Front Glass(mm) | 2.0mm AR Coating Tempered Glass                                               |
| Bifacial Glass Back Glass(mm)  | 2.0mm Glazed Glass                                                            |
| Frame                          | Anodized Aluminium Alloy(Silver)                                              |
| Junction Box                   | IP68, 1500VDC, 3 Schottky Bypass Diodes                                       |
| Cables                         | 4.0mm <sup>2</sup> , Positive(+)300mm, Negative(-)300mm, Or Customized Length |
| Connector                      | IP68                                                                          |
| Snow Load/Wind Load            | 5400Pa/2400Pa                                                                 |
| Class Of Safety Protection     | Class II                                                                      |
| IEC Component Fire Rating      | Class C                                                                       |

**OPERATING PARAMETERS**

|                                      |            |
|--------------------------------------|------------|
| Maximum System Voltage               | 1500V      |
| Operational Temp                     | -40~+85 °C |
| Max Series Fuse Rating               | 25A        |
| Nominal Module Operating Temp (NMOT) | 45±2°C     |

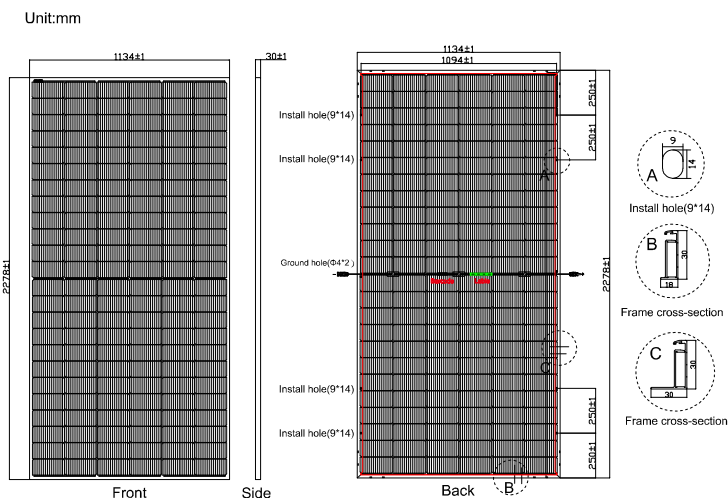
**TEMP COEFFICIENT**

|                          |            |
|--------------------------|------------|
| Temp Coefficient Of Pmax | -0.290%/°C |
| Temp Coefficient Of Voc  | -0.250%/°C |
| Temp Coefficient Of Isc  | +0.045%/°C |

**PACKING STANDARD 40ft (HQ)**

|                                 |     |
|---------------------------------|-----|
| Number Of Modules Per Pallet    | 37  |
| Number Of Pallets Per Container | 20  |
| Number Of Modules Per Container | 740 |

**ASSEMBLY DRAWING**



**IV CURVE (600W)**

