

# AURIGA

570-600Wp



| MAXIMUM EFFICIENCY % | CELL TYPE            | PRODUCT WARRANTY | PERFORMANCE WARRANTY |
|----------------------|----------------------|------------------|----------------------|
| 23.23                | Topcon Bifacial 16BB | 12 YEARS         | 30 YEARS             |



**Made in India** within a state-of-the-art module production facility.



**Better Temperature Coefficient**



**Certified** by BIS & ALMM



**Better Output** In Low Irradiance



**PID** resistant module.



**IP68** rated junction box.

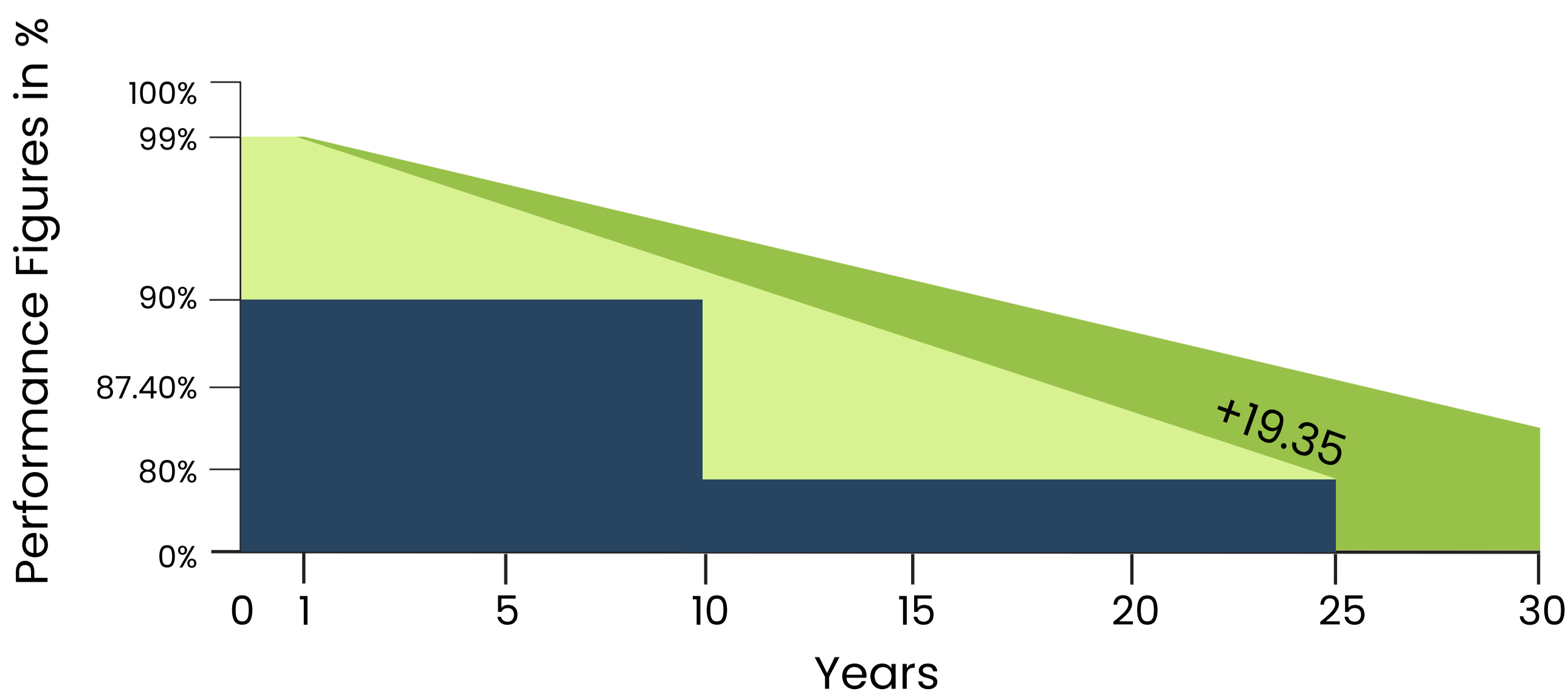


**Model:** SW-DG144THC-600W

## CERTIFICATES



## Performance Warranty

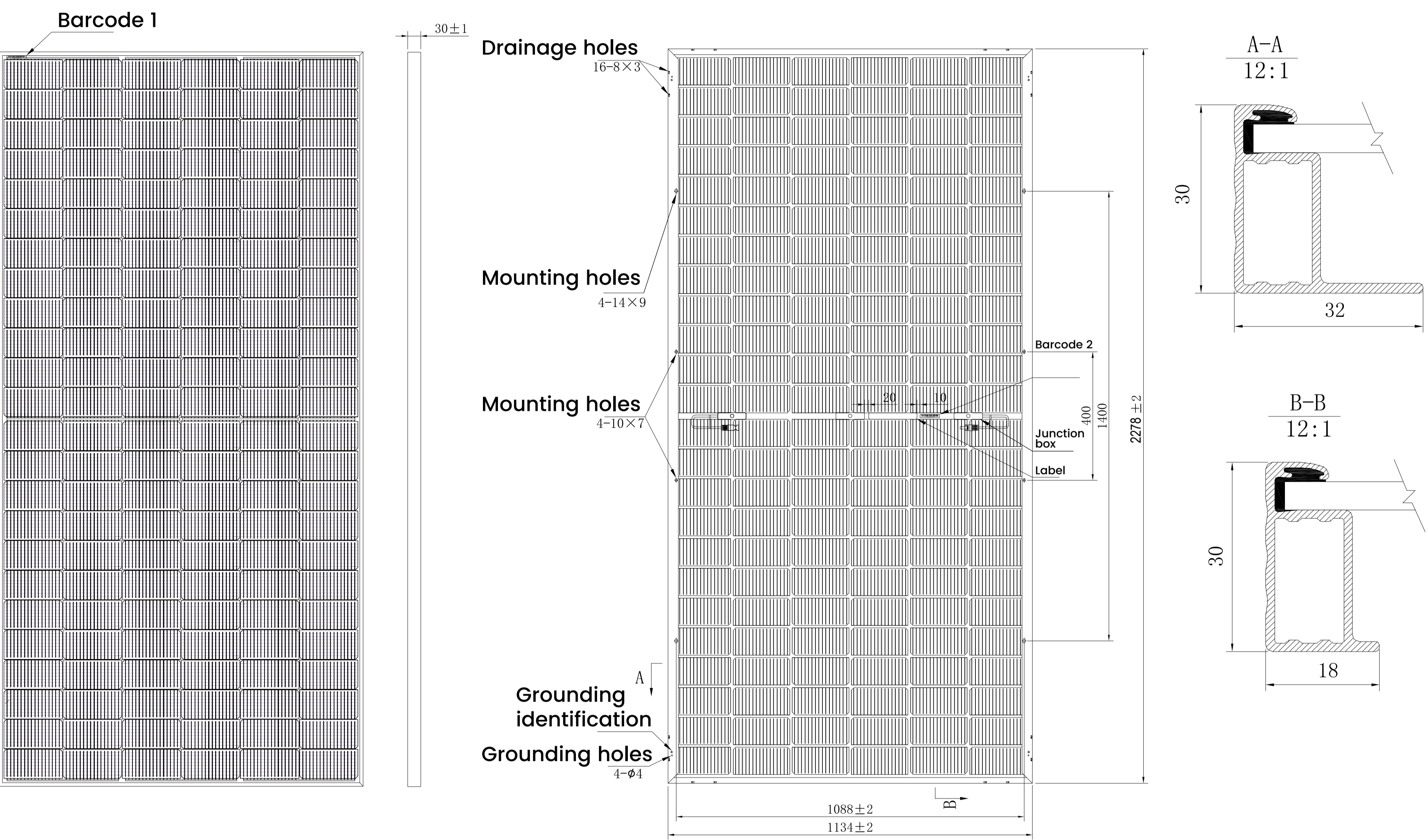


# Bifacial Glass to Glass

Performance under standard test conditions STC (1000w/m<sup>2</sup> AM 1.5, 25°C)



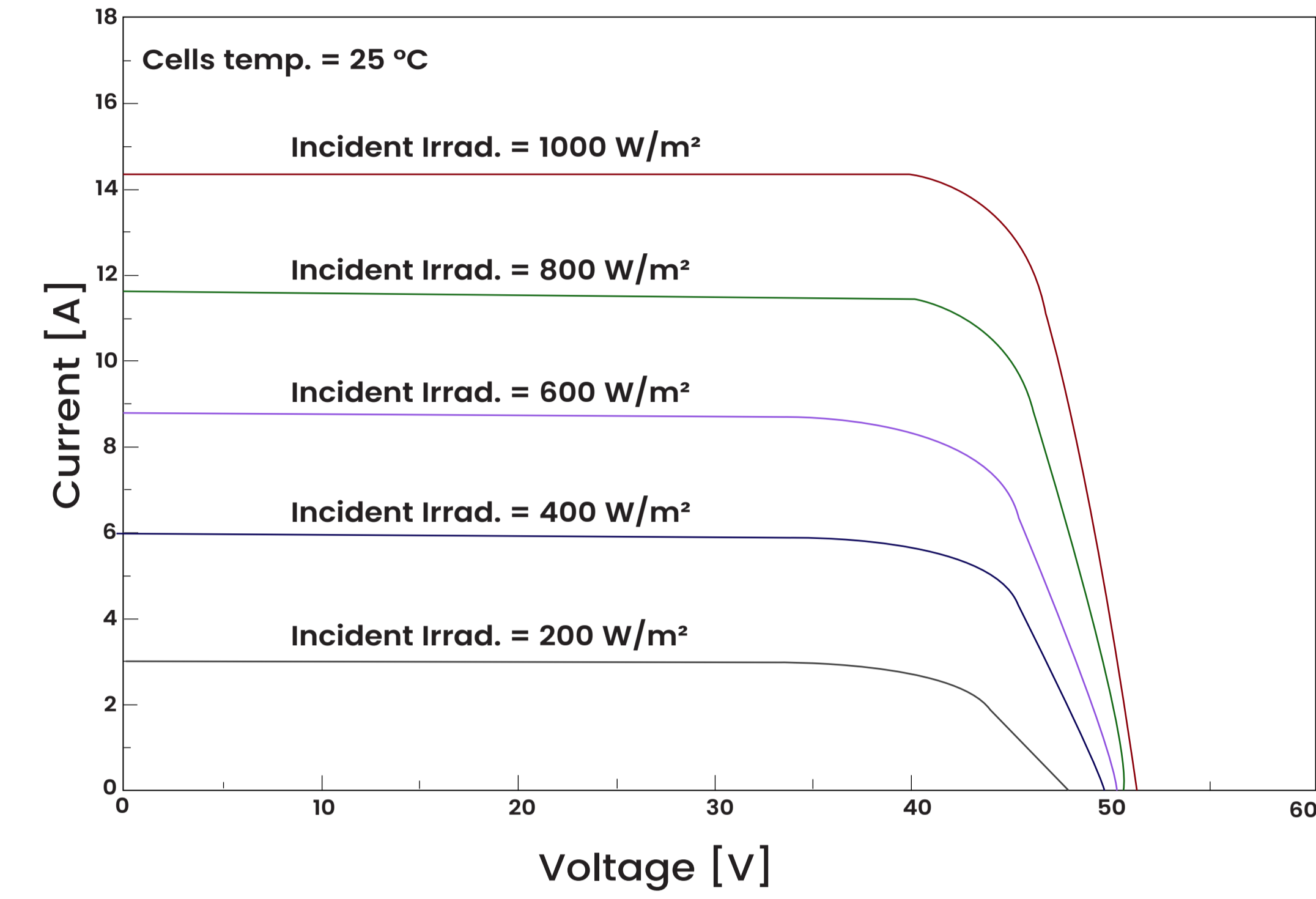
## Dimensions of PV Module (mm)



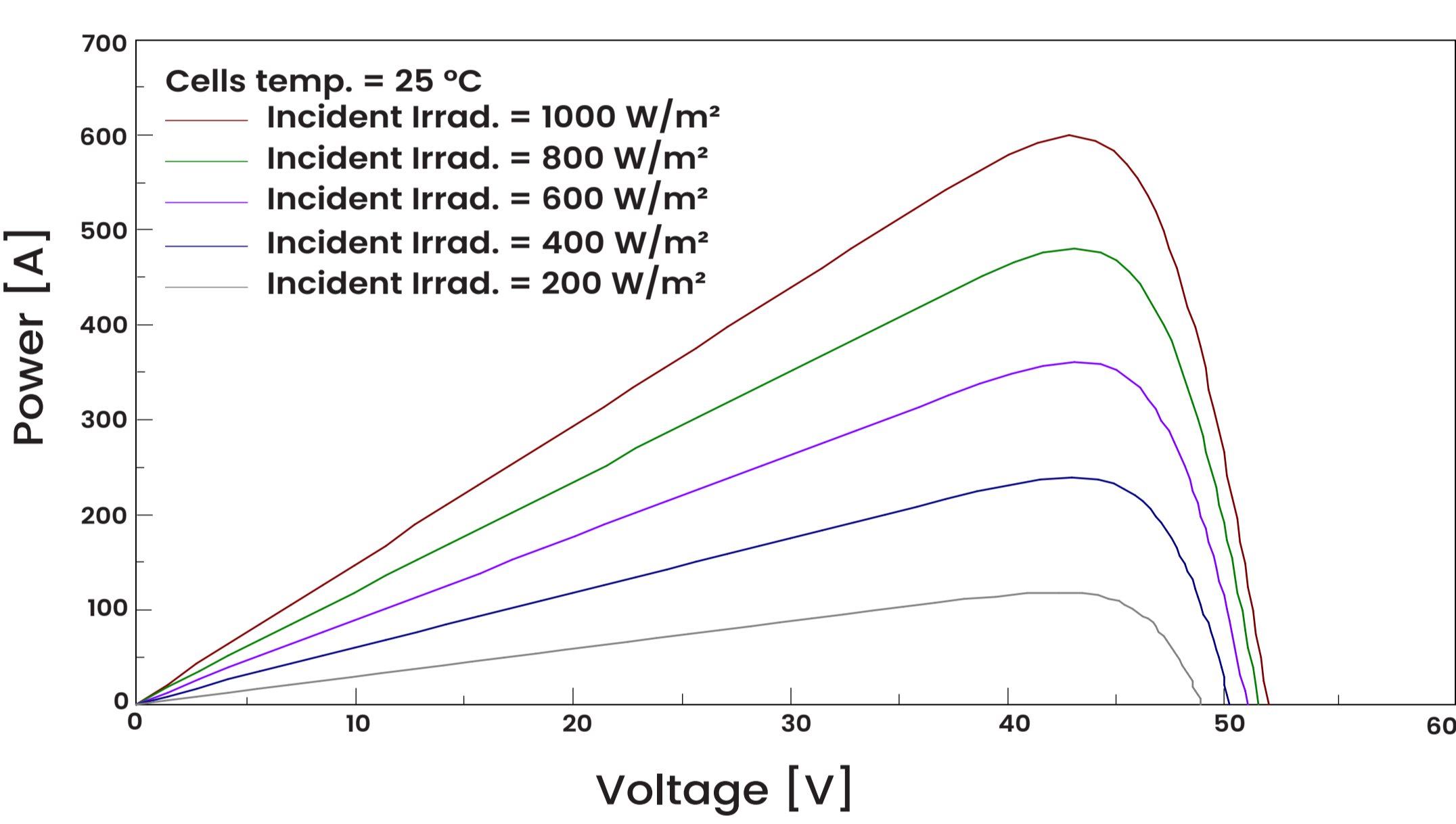
Front View

Back View

## I-V Curves of PV Module (600W)



## P-V Curves of PV Module (600W)



| Electrical Characteristics   STC* |       |       |       |       |       |       |       |
|-----------------------------------|-------|-------|-------|-------|-------|-------|-------|
| Nominal Power Watt Pmax(W)*       | 570   | 575   | 580   | 585   | 590   | 595   | 600   |
| Maximum Power Voltage Vmp(V)      | 42.40 | 42.60 | 42.80 | 43.00 | 43.20 | 43.50 | 43.70 |
| Maximum Power Current Imp(A)      | 13.45 | 13.50 | 13.56 | 13.61 | 13.66 | 13.71 | 13.76 |
| Open Circuit Voltage Voc(V)       | 51.10 | 51.30 | 51.50 | 51.70 | 51.90 | 52.10 | 52.30 |
| Short Circuit Current Isc(A)      | 14.23 | 14.29 | 14.35 | 14.41 | 14.46 | 14.51 | 14.56 |
| Module Efficiency (%)             | 22.07 | 22.26 | 22.45 | 22.65 | 22.84 | 23.03 | 23.23 |

\*The data above is for reference only and the actual data is in accordance with the practical testing  
\*STC (Standard Test Condition): Irradiance 1000W/m<sup>2</sup>, Module Temperature 25±2°C, AM 1.5  
\*Measuring uncertainty: ±3%.

| Mechanical Data   |  |
|-------------------|--|
| Solar cells       | N-type Monocrystalline   |
| Cells orientation | 144 [2x(12x2)]   |
| Module dimension  | 2278×1134×30 mm (With Frame)                                       |
| Weight            | 31.5±1.0 kg  |
| Glass             | 2.0 mm+2.0mm, High Transmission, AR Coated Heat Strengthened Glass |
| Junction box      | IP 68, 3 diodes  |
| Cables            | 4 mm <sup>2</sup> , 350 mm (With Connectors)                       |
| Connectors*       | MC4-compatible   |

\*Please refer to regional datasheet for specified connector

| Electrical Characteristics   NMOT* |        |        |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|--------|--------|
| Maximum Power Pmax(Wp)             | 430.69 | 434.47 | 438.25 | 442.03 | 445.80 | 449.58 | 453.36 |
| Maximum Power Voltage Vmp(V)       | 39.96  | 40.15  | 40.34  | 40.53  | 40.72  | 41.00  | 41.19  |
| Maximum Power Current Imp(A)       | 10.77  | 10.81  | 10.85  | 10.89  | 10.93  | 10.97  | 11.01  |
| Open Circuit Voltage Voc(V)        | 48.21  | 48.40  | 48.59  | 48.77  | 48.96  | 49.15  | 49.34  |
| Short Circuit Current Isc(A)       | 11.49  | 11.54  | 11.58  | 11.63  | 11.67  | 11.71  | 11.75  |

\*NMOT:Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

| Temperature Ratings             |                  |
|---------------------------------|------------------|
| NMOT                            | 44°C ±2°C        |
| Temperature coefficient of Pmax | (-0.30±0.03)%/°C |
| Temperature coefficient of Voc  | -0.25%/°C        |
| Temperature coefficient of Isc  | 0.046%/°C        |
| Refer.Bifacial Factor           | (80±10)%         |

\*Remark:Do not connect Fuse in Combiner Box with two or more strings in parallel connection

| Electrical Characteristics with 25% Rear Side Power Gain* |       |       |       |       |       |       |       |
|---|-------|-------|-------|-------|-------|-------|-------|
| Front power Pmax/W  | 570   | 575   | 580   | 585   | 590   | 595   | 600   |
| Total power Pmax/W  | 713   | 719   | 725   | 731   | 738   | 744   | 750   |
| Vmp/V(Total)  | 42.40 | 42.60 | 42.80 | 43.00 | 43.20 | 43.50 | 43.70 |
| Imp/A(Total)  | 16.81 | 16.88 | 16.95 | 17.01 | 17.08 | 17.14 | 17.20 |
| Voc/V(Total)  | 51.10 | 51.30 | 51.50 | 51.70 | 51.90 | 52.10 | 52.30 |
| Isc/A(Total)  | 17.79 | 17.86 | 17.94 | 18.01 | 18.08 | 18.14 | 18.20 |

\*Remark: Electrical data in this catalog do not refer to a single module and they are not part of the offer. They only serve for comparison among different module types.  
\*Caution: Please be kindly advised that PV modules should be handled and installed by qualified people who have professional skills and please carefully read the safety and installation instructions before using our PV modules.