

# DIAMOND PLUS

Powered by **TOMMATECH**  
GmbH  
GERMAN-based company



## BIFACIAL TOPCON MONOCRYSTALLINE

### 132TNB12 (860-900Wp)

DOUBLE GLASS

## Half Cut

BIFACIAL

18BB



#### High Conversion Efficiency

High panel efficiency to guarantee high power output



#### Self-Cleaning And Anti-Reflection Glass

Coating glass for self-cleaning reduces surface dust

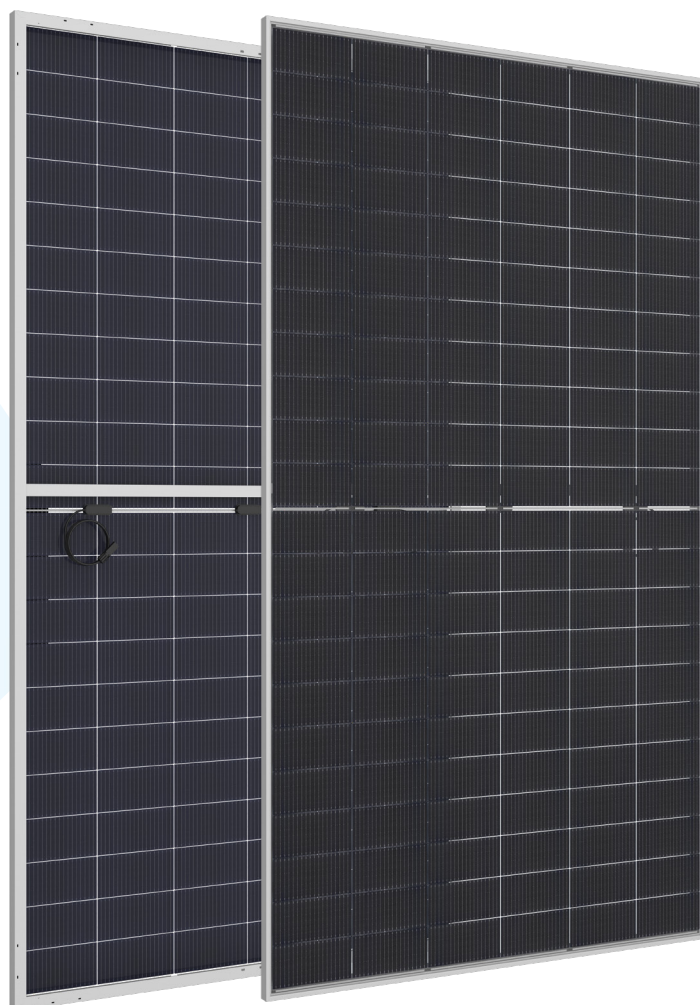


#### Outstanding Low Irradiation Glass

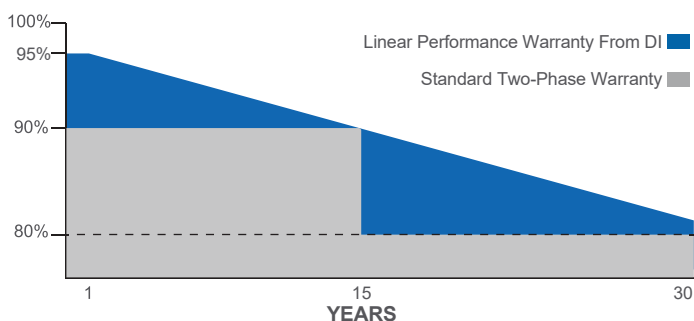
Outstanding panel performance even in weak light conditions



#### Easy Installation



ISO 9001:2015, ISO 14001:2015, ISO 45001:2018



## ELECTRICAL CHARACTERISTICS

| Model Type                               | DI730<br>132TNB12 | DI735<br>132TNB12 | DI740<br>132TNB12 | DI745<br>132TNB12 | DI750<br>132TNB12 |
|--|-------------------|-------------------|-------------------|-------------------|-------------------|
| Peak Power (P <sub>max</sub> )           | 730 Wp            | 735 Wp            | 740 Wp            | 745 Wp            | 750 Wp            |
| Module Efficiency                        | 23.50             | 23.66             | 23.82             | 23.98             | 24.14             |
| Maximum Power Voltage (V <sub>mp</sub> ) | 40.90             | 41.10             | 41.30             | 41.50             | 41.70             |
| Maximum Power Current (I <sub>mp</sub> ) | 17.85             | 17.89             | 17.92             | 17.96             | 17.99             |
| Open Circuit Voltage (V <sub>oc</sub> )  | 49.00             | 49.20             | 49.40             | 49.60             | 49.80             |
| Short Circuit Current (I <sub>sc</sub> ) | 18.76             | 18.80             | 18.85             | 18.89             | 18.95             |
| Power Tolerance                          | ±%10              |                   |                   |                   |                   |
| Maximum System Voltage                   | 1500V DC          |                   |                   |                   |                   |
| Operating Temperature                    | -40 ~ +85°C       |                   |                   |                   |                   |
| Protection Class                         | Class II          |                   |                   |                   |                   |
| Maximum Series Fuse Rating               | 25A               |                   |                   |                   |                   |

## PHYSICAL AND ELECTRICAL CHARACTERISTICS

| Rear Power Gain                          | 5%     | 10%    | 15%    | 20%    |
|--|--------|--------|--------|--------|
| Maximum Power (P <sub>max</sub> )(730Wp) | 766.50 | 803.00 | 839.50 | 876.00 |
| Module Efficiency% (730Wp)               | 24.68  | 25.85  | 27.03  | 28.20  |
| Maximum Power (P <sub>max</sub> )(735Wp) | 771.75 | 808.50 | 845.25 | 882.00 |
| Module Efficiency% (735Wp)               | 24.84  | 26.03  | 27.21  | 28.39  |
| Maximum Power (P <sub>max</sub> )(740Wp) | 777.00 | 814.00 | 851.00 | 888.00 |
| Module Efficiency% (740Wp)               | 25.01  | 26.20  | 27.39  | 28.58  |
| Maximum Power (P <sub>max</sub> )(745Wp) | 782.30 | 819.50 | 856.75 | 894.00 |
| Module Efficiency% (745Wp)               | 25.18  | 26.38  | 27.58  | 28.78  |
| Maximum Power (P <sub>max</sub> )(750Wp) | 787.50 | 825.00 | 862.50 | 900.00 |
| Module Efficiency% (750Wp)               | 25.35  | 26.55  | 27.76  | 28.97  |

## MECHANICAL SPECIFICATIONS

|                               |              |
|-------------------------------|--------------|
| Cell Dimensions(mm)           | 210x105      |
| Cells per Module(pcs)         | 132 (6x22)   |
| Weight(kg)                    | 34.5         |
| Panel Dimensions(mm)          | 2384x1303x35 |
| Max. Wind/Snow Load(Pa)       | 1600/1600    |
| Junction Box                  | IP68         |
| Junction Box Cable Length(mm) | 300          |

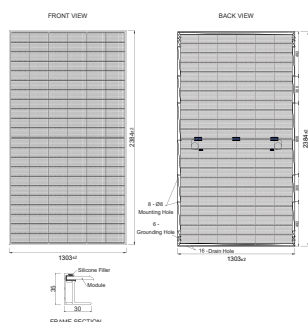
## PACKING CONFIGURATION

|                      |        |
|----------------------|--------|
| Container            | 40' GP |
| Pieces per Pallet    | 31     |
| Pieces per Container | 310    |
| Pallet Per Container | 10     |

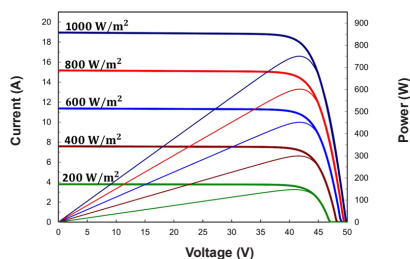
## TEMPERATURE CHARACTERISTICS

|                                     |            |
|-------------------------------------|------------|
| Temp. Coeff. of (I <sub>sc</sub> )  | 0.040%/°C  |
| Temp. Coeff. of (V <sub>oc</sub> )  | -0.260%/°C |
| Temp. Coeff. of (P <sub>max</sub> ) | -0.320%/°C |

## PHYSICAL AND ELECTRICAL CHARACTERISTICS



Current - Voltage &amp; Power - Voltage Curve (DI750-132TNB12)



\* The specifications are obtained under the standard test conditions: 1000W/m2 solar irradiance, 1.5 Air Mass and cell temperature of 25°C. Measurement uncertainty for all panels is 10%. The actual transactions will be subject to the contracts. These parameters are for reference only and it is not a part of the contracts. The specifications are subject to change without prior notice.

\* For roof, facades and installations on similar surfaces, solar panels should be mounted over a fire-resistant covering suitable for this application, with adequate ventilation between the back of the solar panels and the mounting surface. Improper installations are hazardous and may spark a fire. Solar panels must not be mounted on structures and roofs which are made of not fire-resistant materials such as plastic layer, transparent plastic or similar materials without any fire-protection layer. Usage and installation not in accordance with the guidelines as outlined in the installation manual will terminate the warranty. Please refer to the installation manual and the warranty documents for further details.

\* Reserves the right to change the specification of products without prior notice.

\* Not suitable for use in on-grid systems.