

## BIFACIAL TOPCON MONOCRYSTALLINE • 108TNB12

# Half Cut

 **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**

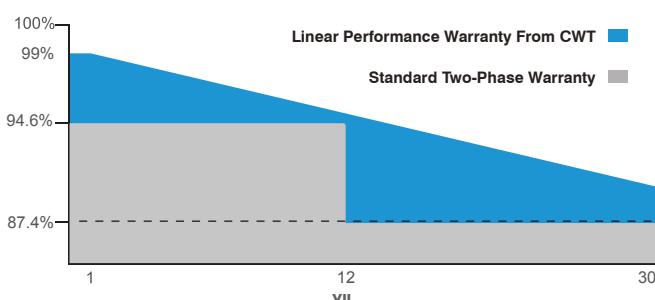
Outstanding panel performance even in weak light conditions

 **Excellent Durability**

Wind load up to 2400 Pa, Snow load up to 5400 Pa

 **0~+5W Positive Power Tolerance**

 **Easy Installation**



 30 Years Performance Warranty  12 Years Product Warranty

**CWT575-108TNB12 575 Wp**  
**CWT570-108TNB12 570 Wp**  
**CWT565-108TNB12 565 Wp**  
**CWT560-108TNB12 560 Wp**  
**CWT555-108TNB12 555 Wp**



IEC 61215, IEC 61730-1, IEC 61730-2  
IEC 62804 PID (POTANSİYEL KAYNAKLı BOZULMA)  
IEC 61701 TUZ KOROZYON  
IEC 62716 AMONYAK KOROZYON  
ISO 9001:2015, ISO 14001:2015, ISO 45001:2018  
UL 61730-1, UL61730-2



## ELECTRICAL CHARACTERISTICS

| Model Type                         | CWT555<br>108TNB12 | CWT560<br>108TNB12 | CWT565<br>108TNB12 | CWT570<br>108TNB12 | CWT575<br>108TNB12 |
|------------------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| <b>Peak Power (Pmax)</b>           | 555 Wp             | 560 Wp             | 565 Wp             | 570 Wp             | 575 Wp             |
| <b>Module Efficiency</b>           | 21.68              | 21.87              | 22.07              | 22.26              | 22.46              |
| <b>Maximum Power Voltage (VmP)</b> | 32.40              | 32.60              | 32.80              | 33.00              | 33.20              |
| <b>Maximum Power Current (ImP)</b> | 17.13              | 17.18              | 17.23              | 17.28              | 17.32              |
| <b>Open Circuit Voltage (Voc)</b>  | 37.60              | 37.80              | 38.00              | 38.20              | 38.40              |
| <b>Short Circuit Current (Isc)</b> | 18.22              | 18.27              | 18.33              | 18.38              | 18.42              |
| <b>Power Tolerance</b>             | 0~+5W              |                    |                    |                    |                    |
| <b>Maximum System Voltage</b>      | 1500V DC           |                    |                    |                    |                    |
| <b>Operating Temperature</b>       | -40 ~ +85°C        |                    |                    |                    |                    |
| <b>Fire Safety Class</b>           | Class II           |                    |                    |                    |                    |
| <b>Maximum Series Fuse Rating</b>  | 35A                |                    |                    |                    |                    |

## MECHANICAL SPECIFICATIONS

|                                      |              |
|--------------------------------------|--------------|
| <b>Cell Dimensions(mm)</b>           | 210x105      |
| <b>Cells per Module(pcs)</b>         | 108 (6x18)   |
| <b>Weight(kg)</b>                    | 28.50        |
| <b>Panel Dimensions(mm)</b>          | 1965x1303x35 |
| <b>Max. Wind/Snow Load(Pa)</b>       | 2400/5400    |
| <b>Junction Box</b>                  | IP68         |
| <b>Junction Box Cable Length(mm)</b> | 350-1600     |

## TEMPERATURE CHARACTERISTICS

(570W Front Power Referenced)

|                                    |        |        |        |        |        |
|------------------------------------|--------|--------|--------|--------|--------|
| <b>Rear Side Power Gain</b>        | 5%     | 10%    | 15%    | 20%    | 25%    |
| <b>Peak Power (Pmax)</b>           | 598.50 | 627.00 | 655.50 | 684.00 | 712.50 |
| <b>Short Circuit Current (Isc)</b> | 19.24  | 20.12  | 21.00  | 21.87  | 22.74  |
| <b>Open Circuit Voltage (Voc)</b>  | 38.26  | 38.33  | 38.39  | 38.45  | 38.51  |
| <b>Maximum Power Current (ImP)</b> | 18.11  | 18.95  | 19.78  | 20.62  | 21.46  |
| <b>Maximum Power Voltage (VmP)</b> | 33.04  | 33.09  | 33.13  | 33.17  | 33.20  |

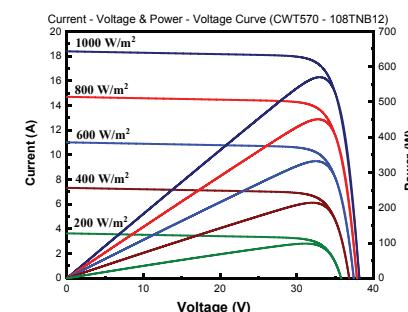
## TEMPERATURE CHARACTERISTICS

|                               |            |
|-------------------------------|------------|
| <b>Temp. Coeff. of (Isc)</b>  | 0.040%/°C  |
| <b>Temp. Coeff. of (Voc)</b>  | -0.260%/°C |
| <b>Temp. Coeff. of (Pmax)</b> | -0.320%/°C |

## PACKING CONFIGURATION

|                             |        |
|-----------------------------|--------|
| <b>Container</b>            | 40' GP |
| <b>Pieces per Pallet</b>    | 30     |
| <b>Pieces Per Container</b> | 480    |
| <b>Pallet Per Container</b> | 16     |

## ELECTRICAL CHARACTERISTICS



\* The specifications are obtained under the standard test conditions: 1000W/m<sup>2</sup> solar irradiance, 1.5 Air Mass and cell temperature of 25°C. Measurement uncertainty for all panels is 3%. 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 technical specifications in this document may vary. For more information, refer to the "Installation Manual".

\* 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, PVC 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.

\* CW Enerji reserves the right to change the specification of products without prior notice.

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