

Half Cut

BIFACIAL HIGH-EFFICIENCY SOLAR PANELS • 144TNB10



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



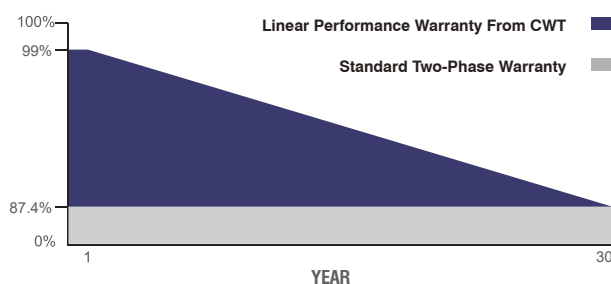
0~+5W Positive Power Tolerance



Easy Installation



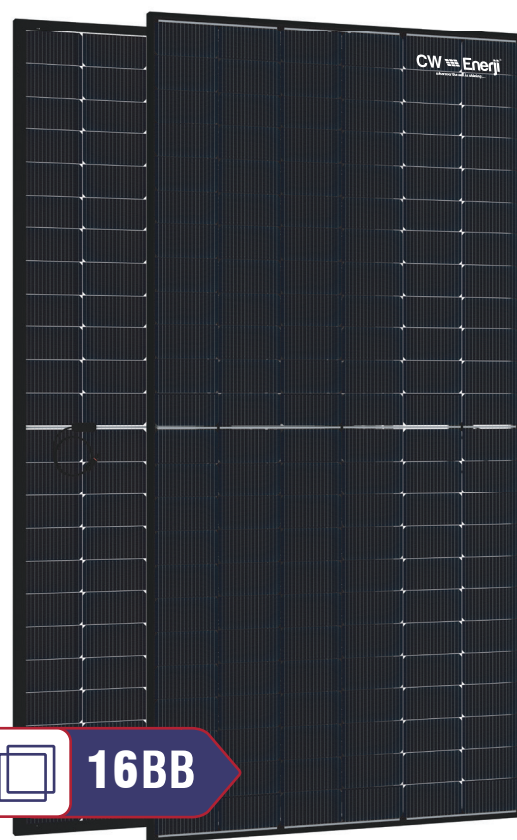
Twice EVA Laminated Double Glass



30 Years Performance Warranty



30 Years Product Warranty



**DOUBLE
GLASS**



16BB

CWT585-144TNB10 585 Wp

CWT590-144TNB10 590 Wp

CWT595-144TNB10 595 Wp

CWT600-144TNB10 600 Wp

CWT605-144TNB10 605 Wp



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

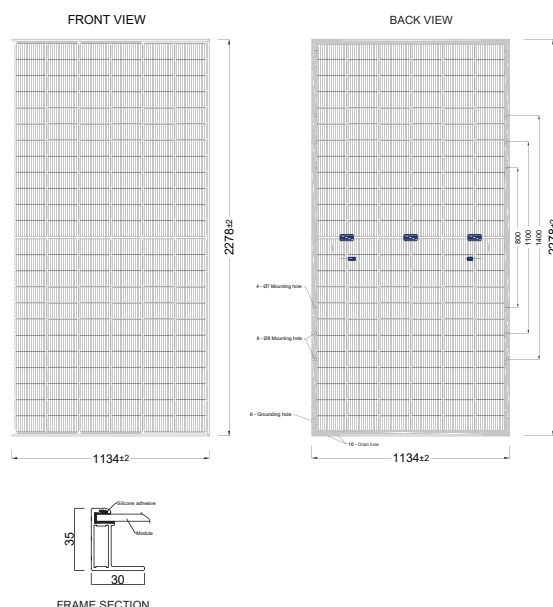
ELECTRICAL CHARACTERISTICS

| Model Type | CWT585 144TNB10 | CWT590 144TNB10 | CWT595 144TNB10 | CWT600 144TNB10 | CWT605 144TNB10 |
|--|--------------------|--------------------|--------------------|--------------------|--------------------|
| Peak Power (P _{max}) | 585 Wp | 590 Wp | 595 Wp | 600 Wp | 605 Wp |
| Module Efficiency (%) | 22.65 | 22.84 | 23.03 | 23.22 | 23.41 |
| Maximum Power Voltage (V _{mp}) | 43.15 | 43.35 | 43.55 | 43.75 | 43.95 |
| Maximum Power Current (I _{mp}) | 13.56 | 13.62 | 13.67 | 13.72 | 13.77 |
| Open Circuit Voltage (V _{oc}) | 51.18 | 51.38 | 51.58 | 51.78 | 51.98 |
| Short Circuit Current (I _{sc}) | 14.38 | 14.45 | 14.53 | 14.60 | 14.68 |
| Power Tolerance | 0~+5W | | | | |
| Maximum System Voltage | 1500V DC | | | | |
| Operating Temperature | -40 ~ +85°C | | | | |
| Protection Class | Class II | | | | |
| Maximum Series Fuse Rating | 25A | | | | |

MECHANICAL SPECIFICATIONS

| | |
|---|--|
| Cell Dimensions(mm/inch) | 182,2 x 91,8 |
| Cells per Module(pcs) | 144 (6x24) |
| Weight(kg/lbs) | (30 mm) 28.0 / 61.72 (35 mm) 29.0 / 63.93 |
| Panel Dimensions(mm/inch) | 2278x1134x30 / 89.68x44.64x1.17 2278x1134x35 / 89.68x44.64x1.37 |
| Max. Wind/Snow Load(Pa)/(lb/ft ²) | (2400 / 5400) / (50 / 212) |
| Junction Box | IP68 |
| Junction Box Cable Length(mm/inch) | 300-1600 |
| Glass Thickness(mm/inch) | (2.0 / 2.0) / (0.08 / 0.08) |
| Frame Color | Silver / Black |

PHYSICAL CHARACTERISTICS



* 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 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.

REAR SIDE POWER GAIN

(600W Front Power Referenced)

| | | | |
|--------------------------------|--------|--------|--------|
| Rear Side Power Gain | 10% | 20% | 30% |
| Peak Power (P _{max}) | 660.00 | 720.00 | 780.00 |

TEMPERATURE CHARACTERISTICS

| | |
|-------------------------------------|------------|
| Temp. Coeff. of (I _{sc}) | 0.040%/°C |
| Temp. Coeff. of (V _{oc}) | -0.260%/°C |
| Temp. Coeff. of (P _{max}) | -0.30%/°C |

PACKING CONFIGURATION

| | |
|----------------------|--------|
| Container | 40' GP |
| Pieces per Pallet | 31 |
| Pieces Per Container | 620 |
| Pallet Per Container | 20 |

ELECTRICAL CHARACTERISTICS

