



# TN 210\*210 695-720W

High efficiency bifacial modules

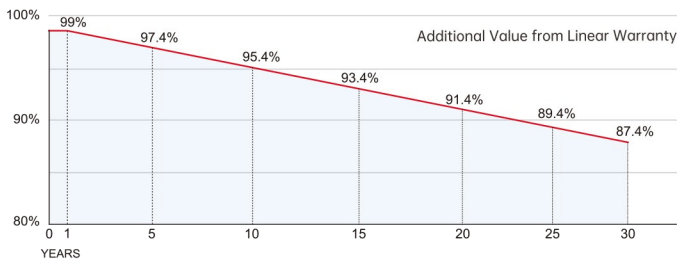
## • QUALITY SYSTEM

ISO9001 / ISO14001 / ISO45001

## • PRODUCT CERTIFICATION



## • WARRANTY



Guarantee on product material and workmanship



Linear power output warranty

## • TOPCON MODULE ADVANTAGE



Multi-Busbar technology



capacity



High module efficiency



Excellent low-light



Lower annual attenuation  
Longer warranty



LCOE



Reduce hot spot effect



Higher bifaciality



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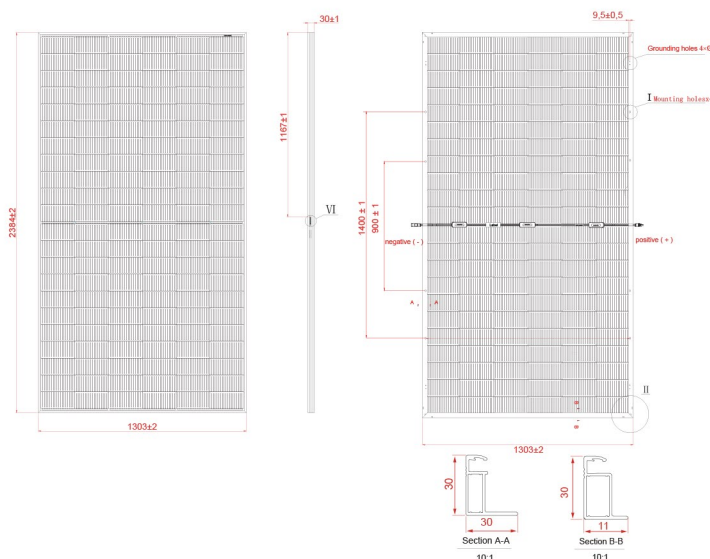
Tel:0510-87328999 E-mail:info@wxtn-solar.com



Mechanical Specifications

|                    |   |
|--------------------|---|
| External Dimension | 2384 x 1303 x 30 mm   |
| Weight             | 37.4 kg   |
| Solar Cells        | TOPCon 210×105 mm (132 pcs)                                 |
| Front / Back Glass | 2.0mm AR coating semi-tempered glass, low iron              |
| Frame              | Anodized aluminium alloy                                    |
| Junction Box       | IP68, 3 diodes  |
| Output Cables      | 4.0mm <sup>2</sup> , 250mm(+)/350mm(-) or Customized Length |

Technical drawing



Packing Configuration

|                       |        |
|-----------------------|--------|
| Container             | 40' HQ |
| Pieces per Pallet     | 36     |
| Pallets per Container | 18     |
| Pieces per Container  | 648    |

Electrical Characteristics

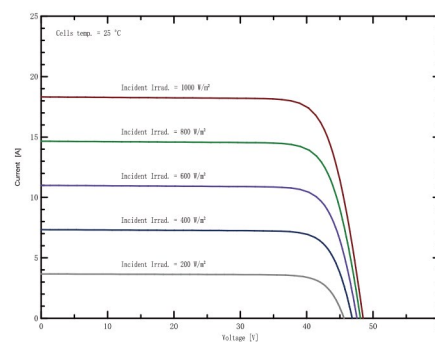
| Module Type                                | 695        |            | 700       |            | 705       |            | 710       |            | 715       |            | 720       |            |
|--|------------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|-----------|------------|
|  | Front STC  | Front BNPI | Front STC | Front BNPI | Front STC | Front BNPI | Front STC | Front BNPI | Front STC | Front BNPI | Front STC | Front BNPI |
| Maximum Power -P <sub>mp</sub> (W)         | 695        | 762        | 700       | 767        | 705       | 773        | 710       | 778        | 715       | 784        | 720       | 789        |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 48.30      | 48.38      | 48.50     | 48.58      | 48.70     | 48.78      | 48.90     | 48.98      | 49.10     | 49.18      | 49.30     | 49.38      |
| Short Circuit Current -I <sub>sc</sub> (A) | 18.28      | 20.03      | 18.32     | 20.08      | 18.36     | 20.12      | 18.40     | 20.17      | 18.44     | 20.21      | 18.48     | 20.25      |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 40.33      | 40.41      | 40.53     | 40.61      | 40.73     | 40.81      | 40.93     | 41.01      | 41.13     | 41.21      | 41.33     | 41.41      |
| Maximum Power Current -I <sub>mp</sub> (A) | 17.24      | 18.90      | 17.28     | 18.94      | 17.31     | 18.97      | 17.35     | 19.02      | 17.39     | 19.06      | 17.43     | 19.10      |
| Module Efficiency STC-η <sub>m</sub> (%)   | 22.37      |            | 22.53     |            | 22.70     |            | 22.86     |            | 23.02     |            | 23.18     |            |
| Power Tolerance (W)                        | (0, +4.99) |            |           |            |           |            |           |            |           |            |           |            |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25° C AM=1.5 Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%  
BNPI: front 1000 W/m<sup>2</sup> rear 135 W/m<sup>2</sup> Power measurement tolerance: +/-3%; Voltage measurement tolerance: +/-3%; Current measurement tolerance: +/-4%

Rear Side Power Gain (700W)

| Power Gain                                 | 10%   | 15%   | 20%   | 25%   | 30%   |
|--|-------|-------|-------|-------|-------|
| Maximum Power -P <sub>mp</sub> (W)         | 770   | 805   | 840   | 875   | 910   |
| Open Circuit Voltage -V <sub>oc</sub> (V)  | 48.50 | 48.50 | 48.50 | 48.50 | 48.50 |
| Short Circuit Current -I <sub>sc</sub> (A) | 20.15 | 21.07 | 21.98 | 22.90 | 23.82 |
| Maximum Power Voltage -V <sub>mp</sub> (V) | 40.53 | 40.53 | 40.53 | 40.53 | 40.53 |
| Maximum Power Current -I <sub>mp</sub> (A) | 19.02 | 19.88 | 20.75 | 21.61 | 22.48 |

I-V Curve



Temperature Ratings

|                              |              |
|------------------------------|--------------|
| Pmax Temperature Coefficient | -0.29 %/° C  |
| Voc Temperature Coefficient  | -0.25 %/° C  |
| Isc Temperature Coefficient  | +0.046 %/° C |

Application Conditions

|                                    |  |
|------------------------------------|--|
| Maximum System Voltage             | 1500V DC                               |
| Maximum Series Fuse Rating         | 35 A                                   |
| Operating Temperature              | -40~+85 ° C                            |
| Nominal Operating Cell Temperature | 80%±5%                                 |
| Bifaciality Mechanical Load        | Front side 5400 Pa / Back side 2400 Pa |

