



# TERRON

## TOPCON SERIES

## BIFACIAL MODULE

# 695~720Watt



### French Design

- French owned company
- We apply premium quality standards required by the market;



### Re-inspection by Greenwire

Greenwire is a French independant quality control laboratory;



### Anti-Crack

Excellent anti-microcracking performance with more balanced interior stress;

Anti  
PID

### PID Resistant

Excellent PID resistance at 96 hours (85°C/85%) test, and also can be improved to meet higher standards for the particularly harsh environment;



### High Power Generation

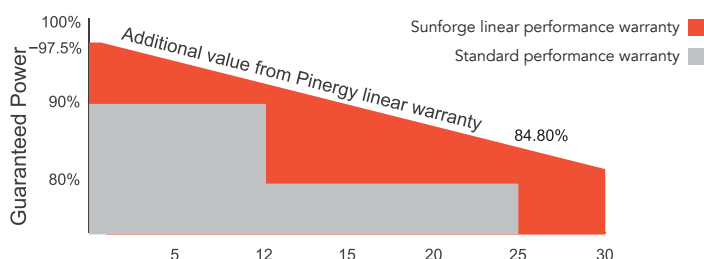
MBB - Multi-BusBars technology for enhanced cell efficiency;



### Module efficiency up to 23.2%

Half cell structure brings low resistance characteristic, higher lifetime generating capacity, simultaneously lower annual power attenuation.

### LINEAR PERFORMANCE WARRANTY



Maximum Power **720W**

Max. Efficiency **23.2%**

Power Output  
Tolerance **0/+5W**

## ELECTRICAL SPECIFICATIONS

| Module Type                   | 695   |       | 700   |       | 705   |       | 710   |       | 715   |       | 720   |       |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Testing Condition             | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  | STC   | NOCT  |
| Max. Power (Pmax/W)           | 695   | 531   | 700   | 534   | 705   | 540   | 710   | 543   | 715   | 547   | 720   | 551   |
| Voltage at Max. Power (Vmp/V) | 40.3  | 37.9  | 40.5  | 38.0  | 40.7  | 38.3  | 40.9  | 38.5  | 41.1  | 38.7  | 41.3  | 38.8  |
| Current at Max. Power (Imp/A) | 17.25 | 14.00 | 17.29 | 14.04 | 17.33 | 14.08 | 17.36 | 14.12 | 17.40 | 14.14 | 17.44 | 14.19 |
| Open circuit voltage (Voc/V)  | 48.3  | 45.9  | 48.6  | 46.1  | 48.8  | 46.3  | 49.0  | 46.5  | 49.2  | 46.7  | 49.4  | 46.9  |
| Short circuit current (Isc/A) | 18.28 | 14.72 | 18.32 | 14.76 | 18.36 | 14.80 | 18.40 | 14.83 | 18.44 | 14.86 | 18.49 | 14.90 |
| Module efficiency (%)         | 22.4% |       | 22.5% |       | 22.7% |       | 22.9% |       | 23.0% |       | 23.2% |       |
| Power Tolerance (W)           | 0~+5  |       |       |       |       |       |       |       |       |       |       |       |

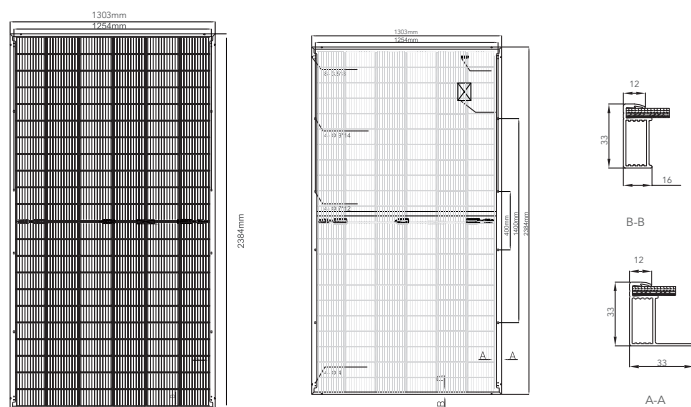
Standard Test Condition (STC) : Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25 °C, AM1.5

Nominal Module Operating Temperature (NOCT) : Irradiance 800W/m<sup>2</sup>, Ambient Temperature 20 °C, AM1.5, Wind Speed 1m/s

## ELECTRICAL CHARACTERISTICS WITH DIFFERENT POWER BIN (REFERENCE TO 10% IRRADIANCE RATIO)

|                                |       |       |       |       |       |       |
|--------------------------------|-------|-------|-------|-------|-------|-------|
| Maximum Power-Pmp (W)          | 765   | 770   | 776   | 781   | 787   | 792   |
| Maximum Power Voltage (Vmpp/V) | 40.3  | 40.5  | 40.7  | 40.9  | 41.1  | 41.3  |
| Maximum Power Current (Imp/A)  | 18.98 | 19.02 | 19.06 | 19.10 | 19.14 | 19.18 |
| Open Circuit Voltage (Voc/V)   | 48.3  | 48.6  | 48.8  | 49.0  | 49.2  | 49.4  |
| Short Circuit Current (Isc/A)  | 20.11 | 20.15 | 20.20 | 20.24 | 20.28 | 20.34 |
| Irradiance Ratio (Rear/Front)  | 10%   |       |       |       |       |       |

## ENGINEERING DRAWINGS



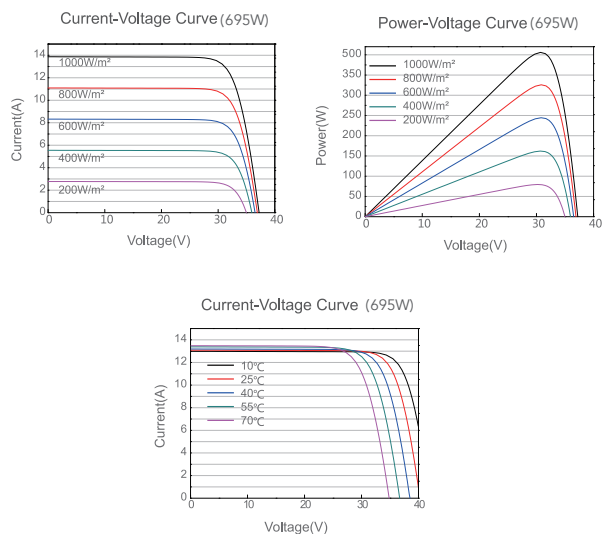
## MECHANICAL SPECIFICATIONS

|                |                                               |
|----------------|-----------------------------------------------|
| Cell Type      | N-type Mono TOPCon                            |
| No. of Cells   | 132 (6×22)                                    |
| Dimension      | 2384×1303×33mm                                |
| Weight         | 38.3kg                                        |
| Glass          | Dual glass, 2.0mm coated tempered glass       |
| Frame          | Anodized Aluminium Alloy                      |
| Junction Box   | IP68, 3 diodes                                |
| Output Cables  | 4mm <sup>2</sup> , Length 300mm or customized |
| Connector type | MC4 compatible                                |

## PACKAGING CONFIGURATIONS

|                      |         |
|----------------------|---------|
| Per Pallet           | 33 pcs  |
| Per 40' HQ Container | 594 pcs |

## CURVE & TEMPERATURE DEPENDENCE



## TEMPERATURE CHARACTERISTICS

|                                |            |
|--------------------------------|------------|
| NOCT Temperature               | 44 °C ±2°C |
| Temperature Coefficient (Pmax) | -0.36%/°C  |
| Temperature Coefficient (Voc)  | -0.28%/°C  |
| Temperature Coefficient (Isc)  | 0.05%/°C   |

## MAXIMUM RATINGS

|                              |                 |
|------------------------------|-----------------|
| Maximum system voltage (IEC) | 1500V DC        |
| Snow / Wind                  | 5400Pa / 2400Pa |
| Operating Temperature        | -40 °C ~ +85°C  |
| Maximum series fuse rating   | 35A             |