



**BS-(565-585)TG-144HC**

MODULE SIZE

**2279\*1134\*30mm**

POWER OUTPUT RANGE

**565W - 585W**

POSITIVE POWER TOLERANCE

**0 - + 3%**

N-TOPCON MONOCRYSTALLINE MODULE

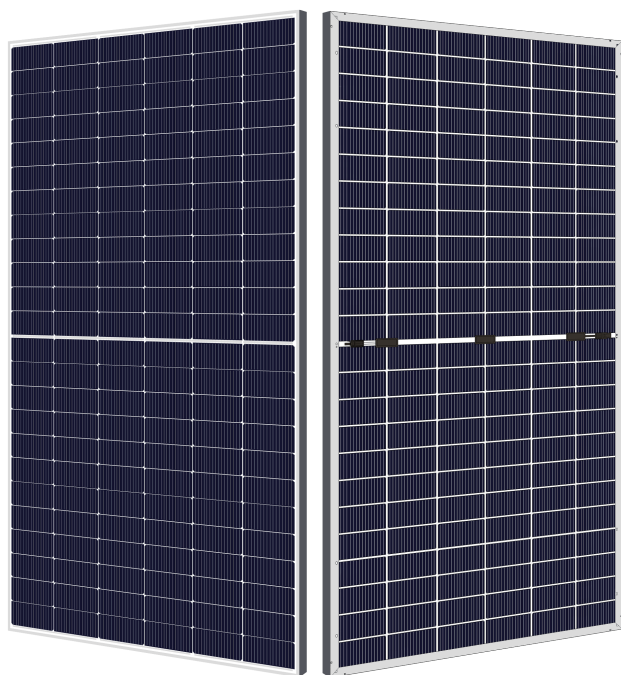
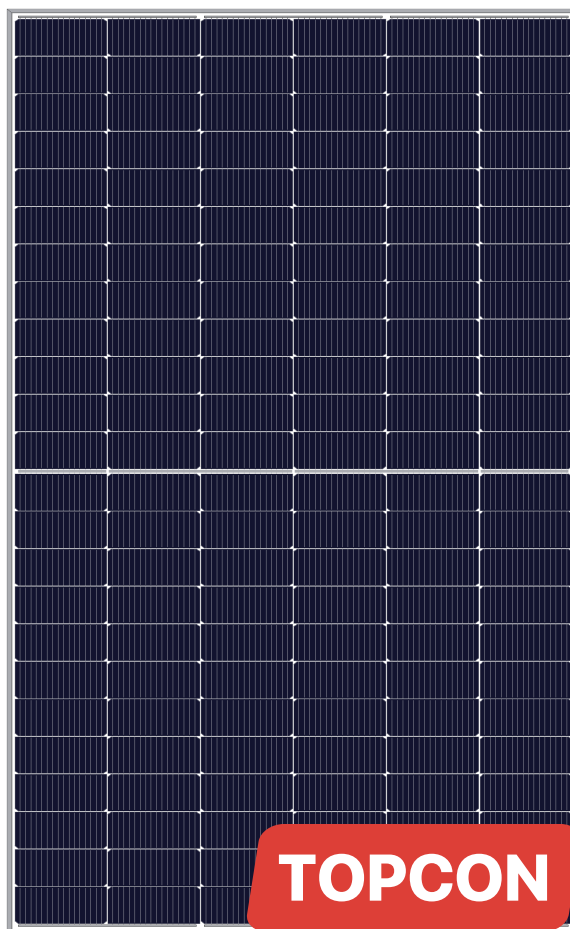
**144 CELL**

MAXIMUM EFFICIENCY

**22.64%**

LINEAR PERFORMANCE WARRANTY

**15 Year Product Warranty  
30 Year Linear Power Warranty**



Competitive Low Light  
Performance



Reduced Power Loss by  
Minimising the Effect of  
Shadow Shading



High Density  
Encapsulation



Multi-Busbar  
Technology



2400pa Wind Load  
5400pa Snow Load



Reduced BOS &  
Increased ROI

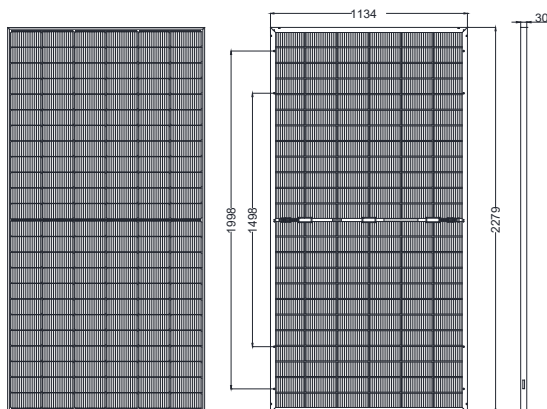
**BRIGHT  
SOLAR**

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**DIMENSIONS OF PV MODULE****STRUCTURAL CHARACTERISTICS**

|                 |                                                     |
|-----------------|-----------------------------------------------------|
| Module Size     | 2279x1134x30mm                                      |
| Weight          | 32kg                                                |
| Cell            | single crystal N-topcon 182x91mm(144pieces)         |
| Glass           | 2.0mm/2.0mm                                         |
| Frame           | anodized aluminum alloy                             |
| Junction Box    | IP68, 3 diodes                                      |
| Output Lead     | 4.0mm <sup>2</sup> 300mm(+)/ 300mm(-) or customized |
| Mechanical Load | front 5400pa / back 2400pa                          |

**ELECTRICAL CHARACTERISTICS**

| Component Model                 | TD-565TG-144HC | TD-570TG-144HC | TD-575TG-144HC | TD-580TG-144HC | TD-585TG-144HC |
|---------------------------------|----------------|----------------|----------------|----------------|----------------|
| Maximum Power (PMP)             | STC<br>565     | STC<br>570     | STC<br>575     | STC<br>580     | STC<br>585     |
| Open Circuit Voltage (VOC)      | 50.6           | 50.74          | 50.88          | 51.02          | 51.16          |
| Short Circuit Current (ISC)     | 14.23          | 14.31          | 14.39          | 14.47          | 14.55          |
| Maximum Power Voltage (VMP)     | 41.92          | 42.07          | 42.22          | 42.37          | 42.52          |
| Maximum Power Current (IMP)     | 13.48          | 13.55          | 13.62          | 13.69          | 13.76          |
| Component Efficiency ( $\eta$ ) | 21.86          | 22.06          | 22.25          | 22.44          | 22.64          |
| Power Tolerance                 | (0, +3%)       |                |                |                |                |
| Maximum System Voltage          | 1500V DC       |                |                |                |                |
| Maximum Rated Fuse Current      | 30A            |                |                |                |                |

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25 °C AM=1.5**TEMPERATURE CHARACTERISTICS**

|                                                  |               |
|--------------------------------------------------|---------------|
| Maximum Power Temperature Coefficient            | -0.30 % / °C  |
| Temperature Coefficient Of Open Circuit Voltage  | -0.25 % / °C  |
| Temperature Coefficient Of Short Circuit Current | +0.046 % / °C |
| Working Temperature                              | -40 ~ +85 °C  |
| Nominal Operating Cell Temperature (NOCT)        | 45 ± 2 °C     |
| Bifacial-Factor                                  | 80% ± 10%     |

**PACKING METHOD**

|                                 |                |
|---------------------------------|----------------|
| Module Size                     | 2279x1134x30mm |
| Container                       | 40' HQ         |
| Quantity Per Pallet             | 36             |
| Number Of Pallets Per Container | 20             |
| Quantity Per Container          | 720            |

**I-V Curve**