



## TD-(565-585)T-144HC

MODULE SIZE

**2279\*1134\*35mm**

POWER OUTPUT RANGE

**565W - 585W**

POSITIVE POWER TOLERANCE

**0 - + 3%**

N-TOPCON MONOCRYSTALLINE MODULE

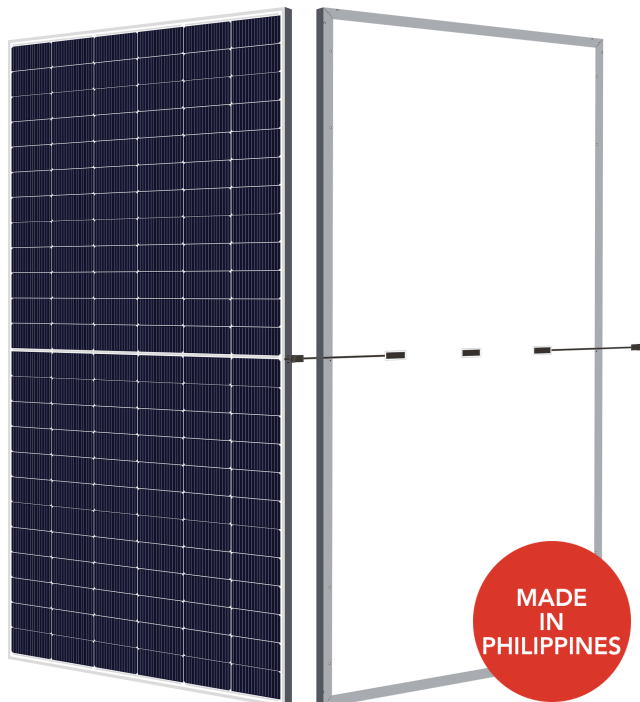
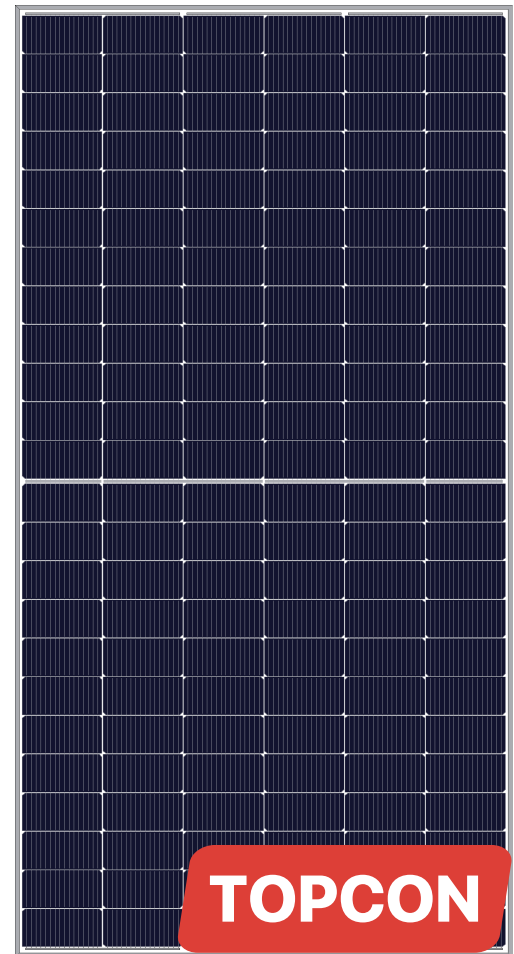
**144 CELL**

MAXIMUM EFFICIENCY

**22.44%**

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



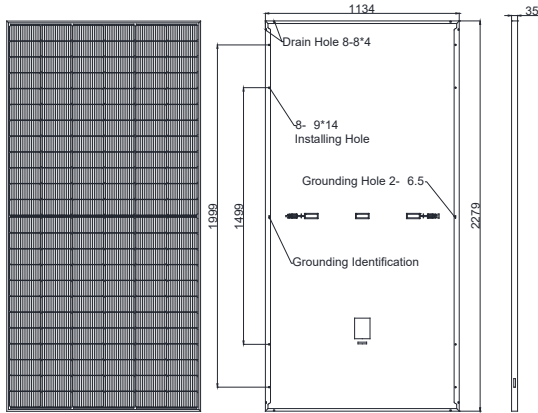
2400pa Wind Load  
5400pa Snow Load



LCOE BOS  
Reduced BOS & Increased ROI

# TIDE SOLAR

## DIMENSIONS OF PV MODULE



## STRUCTURAL CHARACTERISTICS

Module Size	2279x1134x35mm
Weight	25kg
Cell	single crystal N-topcon 182x91mm(144pieces)
Glass	3.2mm tempered coated glass, low iron
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-565T-144HC	TD-570T-144HC	TD-575T-144HC	TD-580T-144HC	TD-585T-144HC
Maximum Power (PMP)	STC 565	STC 570	STC 575	STC 580	STC 585
Open Circuit Voltage (VOC)	50.46	50.60	50.74	50.88	51.02
Short Circuit Current (ISC)	14.15	14.23	14.31	14.39	14.47
Maximum Power Voltage (VMP)	41.77	41.92	42.07	42.22	42.37
Maximum Power Current (IMP)	13.41	13.48	13.55	13.62	13.69
Component Efficiency ( $\eta$ )	21.75	21.86	22.06	22.25	22.44
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	25A				

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

## PACKING METHOD

Module Size	2279x1134x35mm
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	20
Quantity Per Container	620

## I-V Curve

