



TD-(585-605)TRG-144HC

MODULE SIZE

2278*1134*30mm

POWER OUTPUT RANGE

585W - 605W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

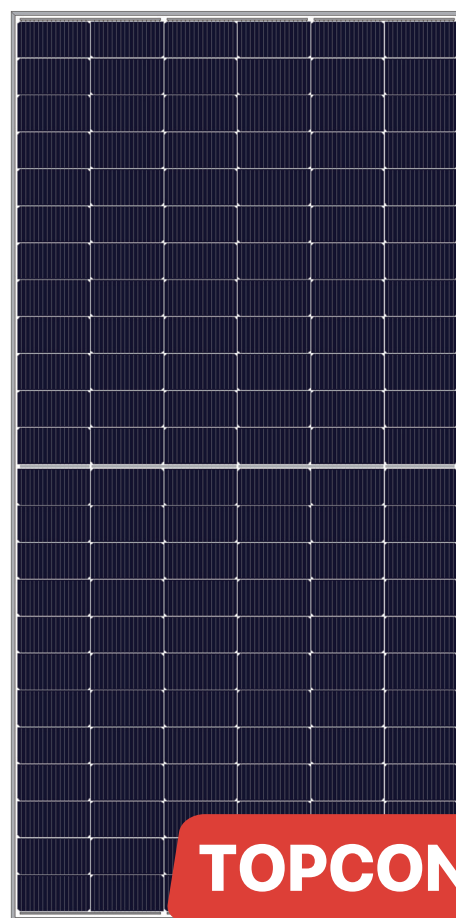
144 CELL

MAXIMUM EFFICIENCY

23.42%

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



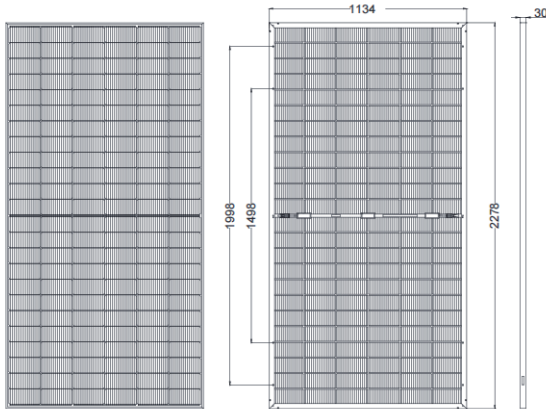
2400pa Wind Load
5400pa Snow Load



Reduced BOS &
Increased ROI

**TIDE
SOLAR**

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2278x1134x30mm
Weight	31.50kg
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 ² 300mm(+)/ 300mm(-) or customized
Mechanical Load	front 5400pa / back 2400pa

ELECTRICAL CHARACTERISTICS

Component Model	TD-585TRG-144HC	TD-590TRG-144HC	TD-595TRG-144HC	TD-600TRG-144HC	TD-605TRG-144HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	585	590	595	600	605
Open Circuit Voltage (VOC)	52.72	52.79	52.86	52.93	53.00
Short Circuit Current (ISC)	13.87	13.97	14.07	14.17	14.27
Maximum Power Voltage (VMP)	44.81	44.87	44.93	44.99	45.05
Maximum Power Current (IMP)	13.05	13.15	13.24	13.34	13.43
Component Efficiency (η)	22.65	22.84	23.03	23.23	23.42
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	28A				
STC: Irradiance 1000 W/m² module temperature 25 °C AM=1.5					

TEMPERATURE CHARACTERISTICS

Rated Power Temperature Coefficient	-0.290% / °C
Temperature Coefficient Of Open Circuit Voltage	-0.250% / °C
Temperature Coefficient Of Short Circuit Current	+0.045% / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C
Bifacial-Factor	80% ± 5%

PACKING METHOD

Module Size	2278x1134x30mm
Container	40' HQ
Quantity Per Pallet	37
Number Of Pallets Per Container	28
Quantity Per Container	1036

I-V Curve

