



TD-(620-640)TRG-144HC

MODULE SIZE

2465*1134*35mm

POWER OUTPUT RANGE

620W - 640W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

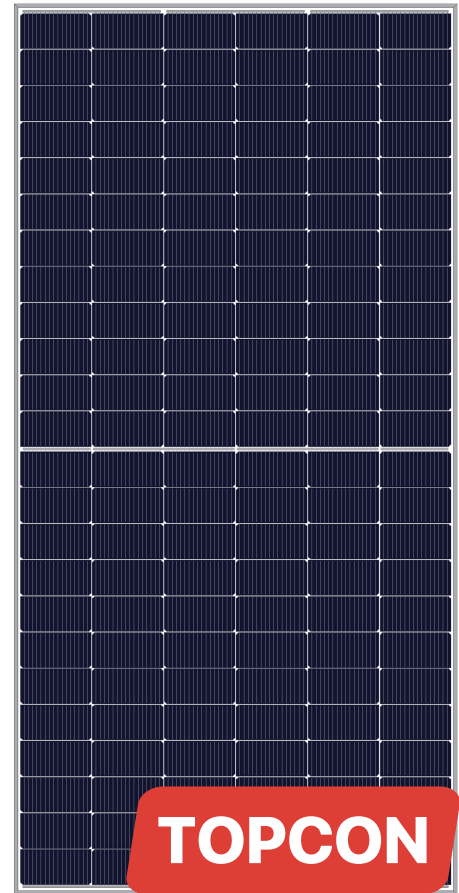
144 CELL

MAXIMUM EFFICIENCY

22.9%

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



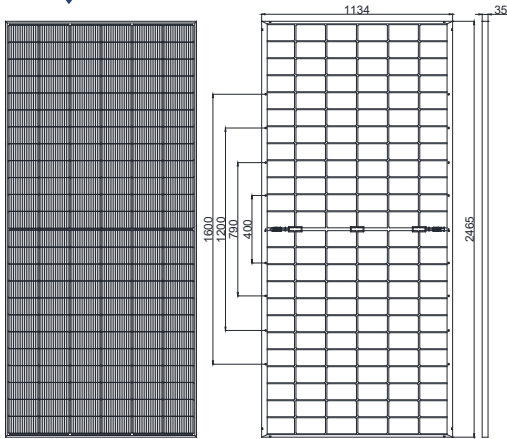
2400pa Wind Load
5400pa Snow Load



LCOE BOS
Reduced BOS & Increased ROI

TIDE SOLAR

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2465x1134x35mm
Weight	34.6kg
Cell	single crystal N-topcon 182x99.5mm(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-620TRG-144HC	TD-625TRG-144HC	TD-630TRG-144HC	TD-635TRG-144HC	TD-640TRG-144HC
Maximum Power (PMP)	STC 620	STC 625	STC 630	STC 635	STC 640
Open Circuit Voltage (VOC)	52.07	52.27	52.47	52.67	52.87
Short Circuit Current (ISC)	15.11	15.16	15.21	15.26	15.31
Maximum Power Voltage (VMP)	43.51	43.71	43.90	44.10	44.29
Maximum Power Current (IMP)	14.25	14.30	14.35	14.40	14.45
Component Efficiency (η)	22.2	22.4	22.5	22.7	22.9
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	30A				

STC: Irradiance 1000 W/m² 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	2465x1134x35mm
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	16
Quantity Per Container	496

I-V Curve

