



TD-(465-485)T-120HC

MODULE SIZE

1906*1134*30mm

POWER OUTPUT RANGE

465W - 485W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

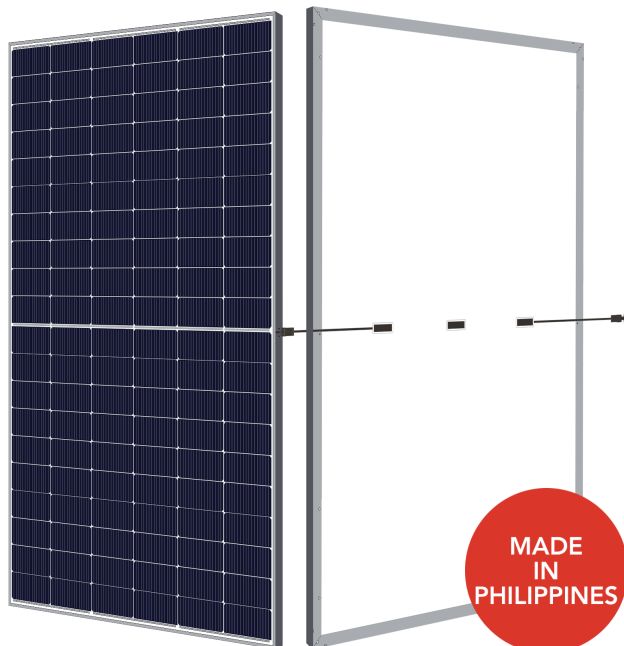
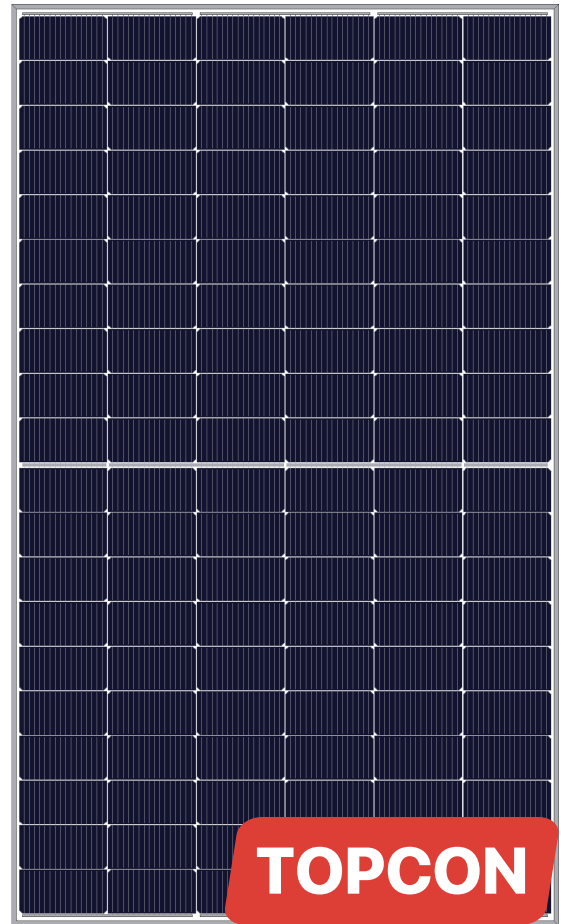
120 CELL

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



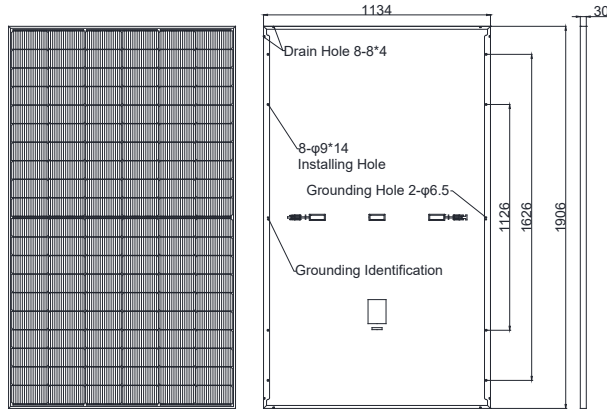
2400pa Wind Load
5400pa Snow Load



LCOE BOS
Reduced BOS & Increased ROI

TIDE SOLAR

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	1906x1134x30mm
Weight	22kg
Cell	single crystal N-topcon 182x91mm(120pieces)
Glass	3.2mm tempered coated glass, low iron
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-465T-120HC	TD-470T-120HC	TD-475T-120HC	TD-480T-120HC	TD-485T-120HC
Maximum Power (PMP)	STC 465	STC 470	STC 475	STC 480	STC 485
Open Circuit Voltage (VOC)	43.15	43.30	43.45	43.60	43.76
Short Circuit Current (ISC)	13.61	13.69	13.77	13.85	13.93
Maximum Power Voltage (VMP)	35.51	35.69	35.88	36.06	36.25
Maximum Power Current (IMP)	13.10	13.17	13.24	13.31	13.38
Component Efficiency (η)	21.51	21.75	21.98	22.21	22.44
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	25A				

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

PACKING METHOD

Module Size	1906x1134x30mm
Container	40' HQ
Quantity Per Pallet	36
Number Of Pallets Per Container	24
Quantity Per Container	864

I-V Curve

