



TD-(415-435)TB-108HC

MODULE SIZE

1722*1134*30mm

POWER OUTPUT RANGE

415W - 435W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

108 CELL

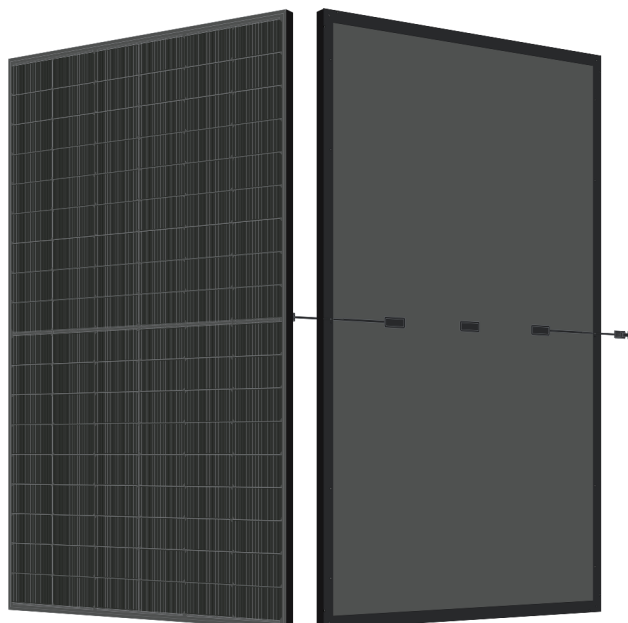
MAXIMUM EFFICIENCY

22.28%

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

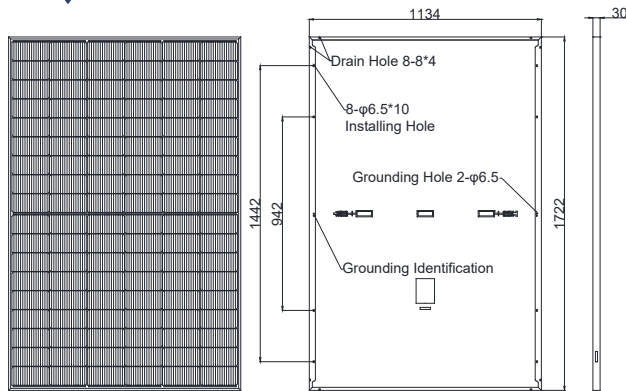
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DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	1722x1134x30mm
Weight	20.5kg
Cell	single crystal N-topcon 182x91mm(108pieces)
Glass	3.2mm high transparency, tempered glass
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-415TB-108HC	TD-420TB-108HC	TD-425TB-108HC	TD-430TB-108HC	TD-435TB-108HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	415	420	425	430	435
Open Circuit Voltage (VOC)	37.92	38.11	38.30	38.49	38.68
Short Circuit Current (ISC)	13.99	14.07	14.15	14.23	14.31
Maximum Power Voltage (VMP)	31.32	31.51	31.70	31.88	32.06
Maximum Power Current (IMP)	13.25	13.33	13.41	13.49	13.57
Component Efficiency (η)	21.25	21.51	21.76	22.02	22.28
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	25A				
STC: Irradiance 1000 W/m ² 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	1722x1134x30mm
Container	40' HQ
Quantity Per Pallet	36
Number Of Pallets Per Container	26
Quantity Per Container	936

I-V Curve

