



TDM772-(565-595)G

MODULE SIZE

2278*1134*30mm

POWER OUTPUT RANGE

565W - 595W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

144 CELL

MAXIMUM EFFICIENCY

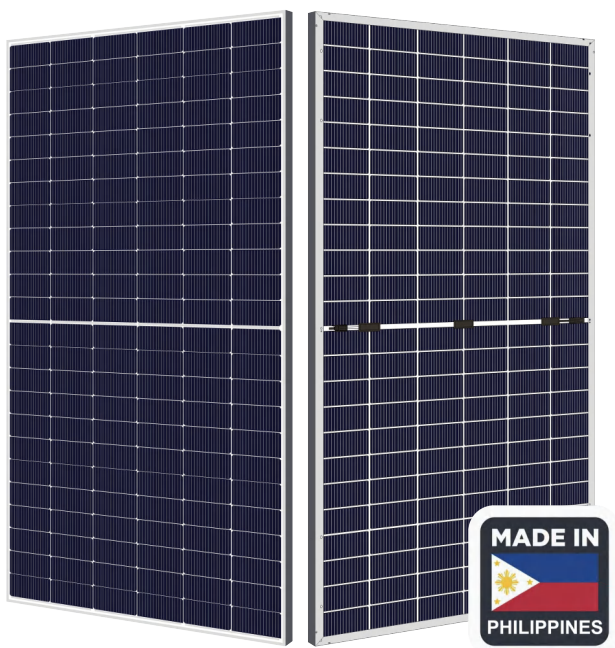
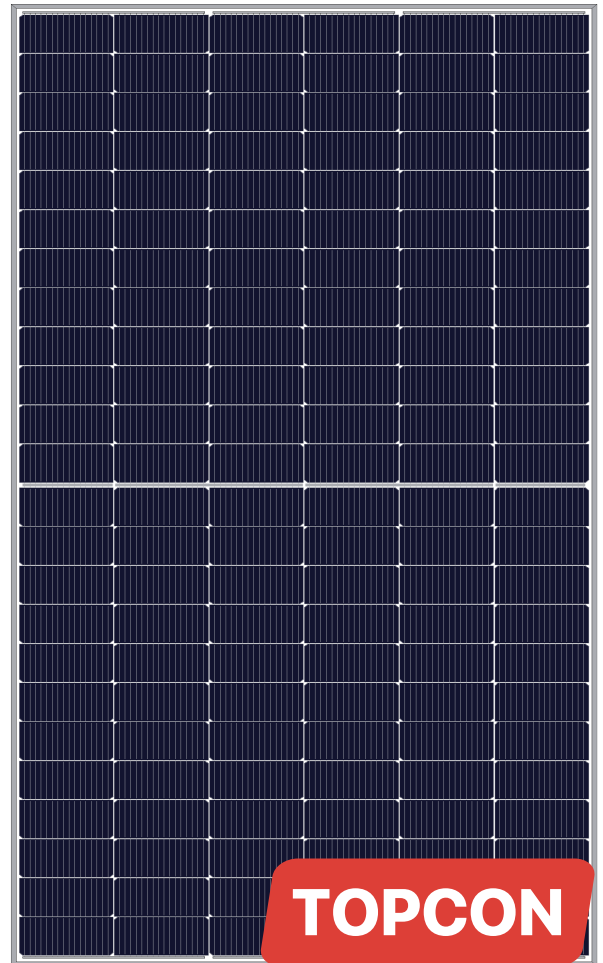
23.03%

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

30 Year Linear Power Warranty

≤1% 1st Year Degradation **≤0.4%** Annual Degradation



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

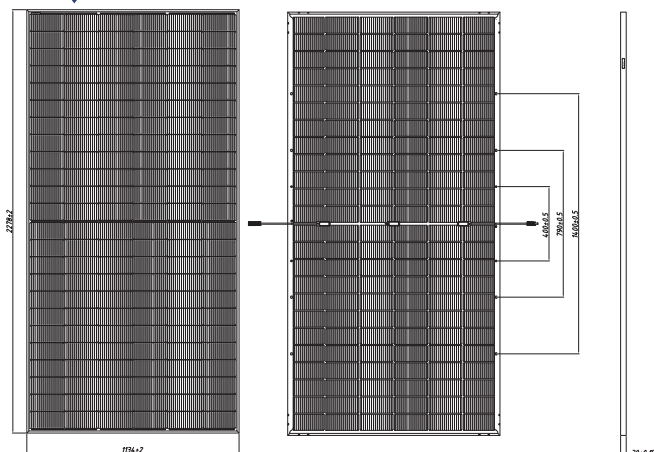
**TIDE
SOLAR**

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DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2278x1134x30mm
Weight	31.0Kg
Cell	N-topcon 182.2x91.875mm(144pieces)
Glass	2.0mm/2.0mm semi-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*

*Refer to Tidesolar installation manual for details

ELECTRICAL CHARACTERISTICS

Component Model	TDM772-565G		TDM772-570G		TDM772-575G		TDM772-580G		TDM772-585G		TDM772-590G		TDM772-595G	
	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
Maximum Power (Pmax)	565	626	570	632	575	637	580	643	585	648	590	654	595	659
Open Circuit Voltage (Voc)	51.90	51.90	52.10	52.10	52.30	52.30	52.50	52.50	52.70	52.70	52.90	52.90	53.10	53.10
Short Circuit Current (sc)	13.77	15.26	13.83	15.32	13.89	15.39	13.95	15.46	14.01	15.52	14.07	15.59	14.13	15.66
Maximum Power Voltage (Vmp)	43.42	43.42	43.58	43.58	43.73	43.73	43.88	43.88	44.02	44.02	44.18	44.18	44.31	44.31
Maximum Power Current (Imp)	13.01	14.42	13.08	14.49	13.15	14.57	13.22	14.65	13.29	14.80	13.36	14.80	13.43	14.88
Component Efficiency (η)	21.87		22.07		22.26		22.45		22.65		22.84		23.03	
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 BNPI: Irradiance: Front 1000W/m², Rear 135W/m², Cell Temperature 25°C, AM=1.5

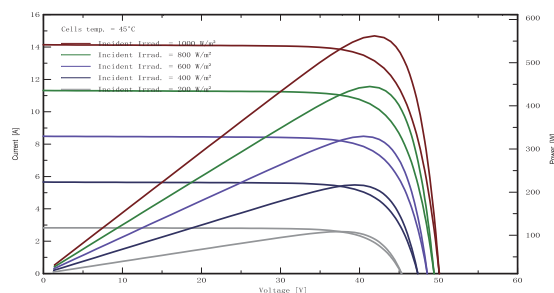
TEMPERATURE CHARACTERISTICS

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% ± 5%

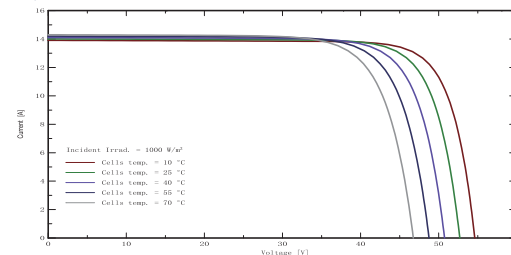
PACKING METHOD

Module Size	2278x1134x30mm
Container	40' HQ
Quantity Per Pallet	36
Number Of Pallets Per Container	20/16(US)
Quantity Per Container	720/576(US)

I-V/P-V CURVE AT DIFFERENT IRRADANCE(585W)



I-V CURVE AT DIFFERENT WORKING TEMPERATURE(585W)



The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Tidesolar Philippines Corporation reserves the right to make any adjustment to the information described herein at any time without notice.