



TDM960-(630-655)G

MODULE SIZE

2172*1303*33mm

POWER OUTPUT RANGE

630W-655W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

120 CELL

MAXIMUM EFFICIENCY

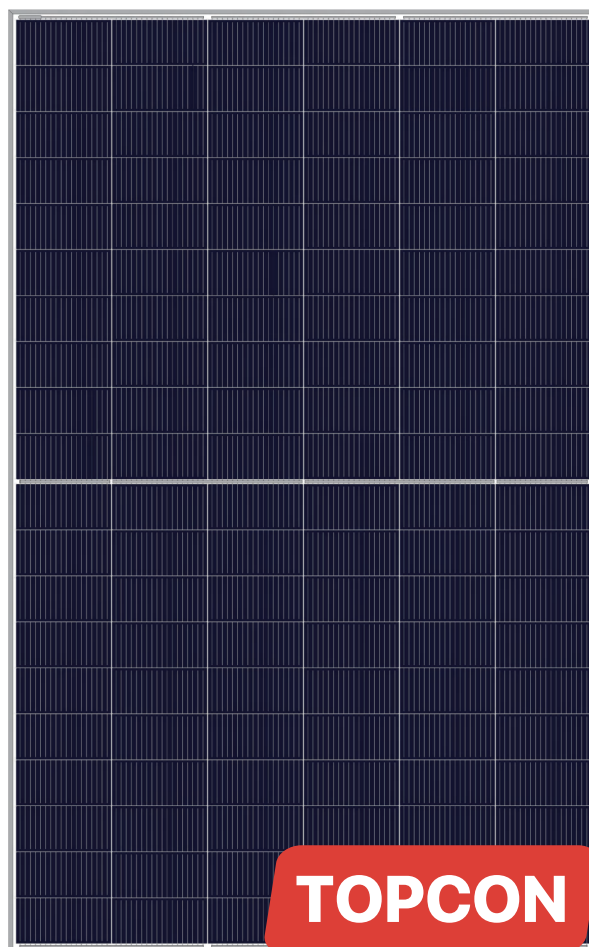
23.14%

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



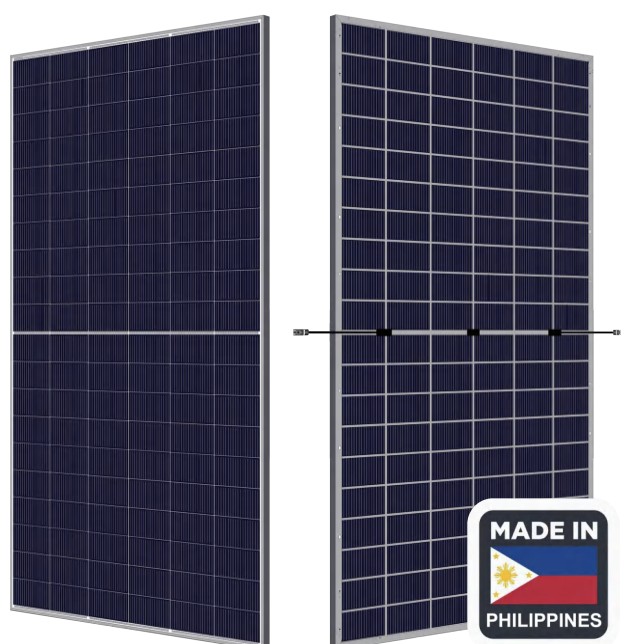
Multi-Busbar Technology



2400pa Wind Load
5400pa Snow Load

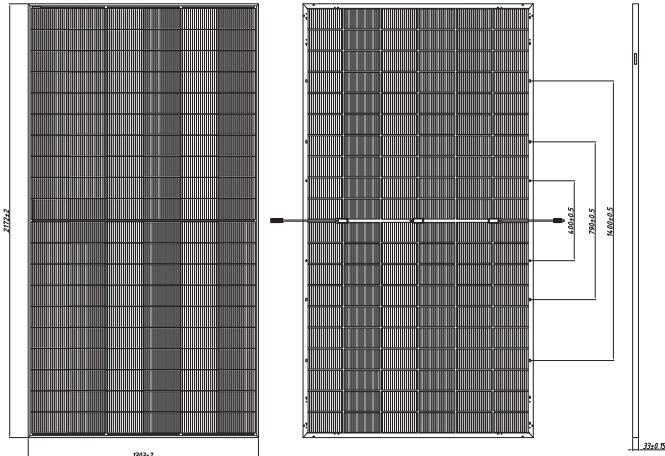


Reduced BOS & Increased ROI



TIDE SOLAR

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2172x1303x33mm
Weight	34.5Kg
Cell	N-topcon 210x105mm(120pieces)
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	TDM960-630G		TDM960-635G		TDM960-640G		TDM960-645G		TDM960-650G		TDM960-655G	
Maximum Power (Pmax)	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
	630	770	635	776	640	781	645	787	650	792	655	798
Open Circuit Voltage (Voc)	43.90	43.90	44.20	44.20	44.50	44.50	44.80	44.80	45.10	45.10	45.40	45.40
Short Circuit Current (Isc)	18.24	20.21	18.27	20.24	18.30	20.28	18.33	20.31	18.36	20.34	18.39	20.38
Maximum Power Voltage (Vmp)	36.60	36.60	36.80	36.80	37.00	37.00	37.20	37.20	37.40	37.40	37.60	37.60
Maximum Power Current (Imp)	17.22	19.08	17.26	19.12	17.30	19.17	17.34	19.21	17.38	19.26	17.40	19.30
Component Efficiency (η)	22.26		22.44		22.61		22.79		22.97		23.14	
Power Tolerance	(0, +3%)											
Maximum System Voltage	1500V DC											
Maximum Rated Fuse Current	35A											

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

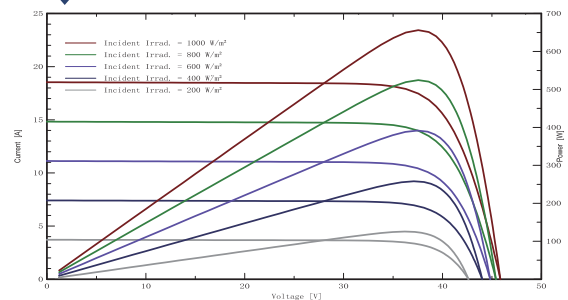
TEMPERATURE CHARACTERISTICS

Maximum Power Temperature Coefficient	-0.29 % / °C
Temperature Coefficient Of Open Circuit Voltage	-0.25 % / °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%

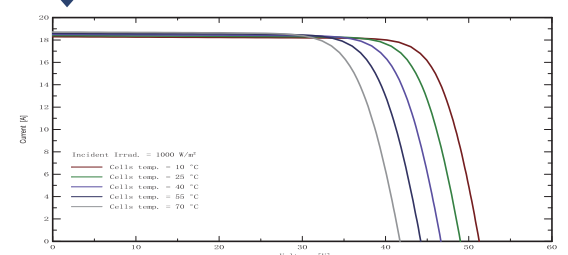
PACKING METHOD

Module Size	2172x1303x33mm
Container	40' HQ
Quantity Per Pallet	33
Number Of Pallets Per Container	18/16(US)
Quantity Per Container	594/528(US)

I-V/P-V CURVE AT DIFFERENT IRRADANCE(650W)



I-V CURVE AT DIFFERENT WORKING TEMPERATURE(650W)



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.