



TDP754-(400-420)G

MODULE SIZE

1722*1134*30mm

POWER OUTPUT RANGE

400W - 420W

POSITIVE POWER TOLERANCE

0 - + 3%

N-TOPCON MONOCRYSTALLINE MODULE

108 CELL

MAXIMUM EFFICIENCY

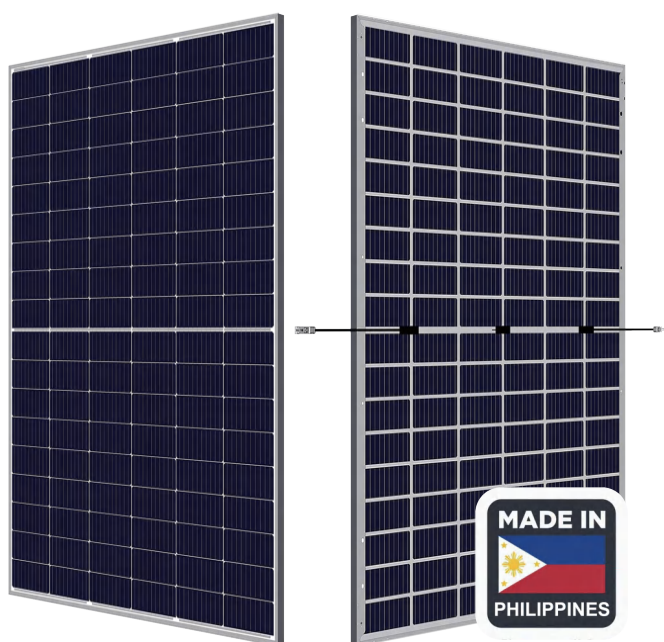
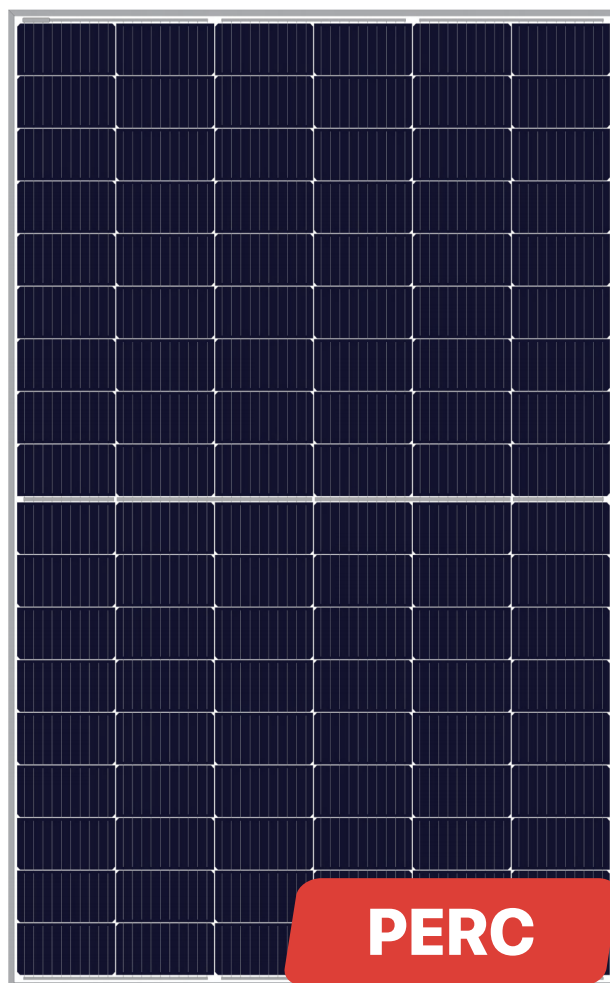
21.51%

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty

30 Year Linear Power Warranty

≤2% 1st Year Degradation **≤0.5%** Annual Degradation



Competitive Low Light Performance



Reduced Power Loss by Minimising the Effect of Shadow Shading



High Density Encapsulation



Multi-Busbar Technology



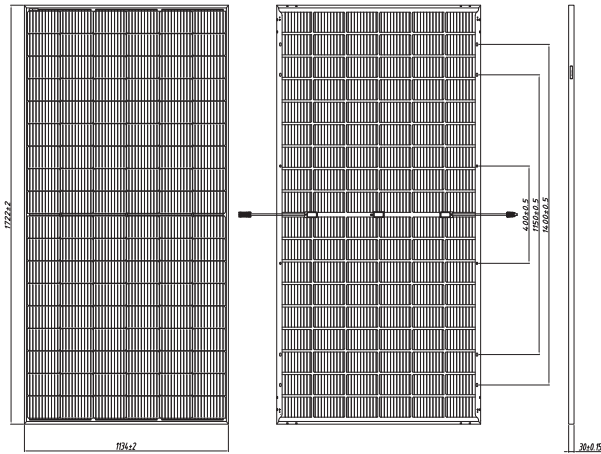
2400pa Wind Load
5400pa Snow Load



Reduced BOS & Increased ROI

TIDE SOLAR

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	1722x1134x30mm
Weight	21.5Kg
Cell	PERC 182.2x91.875mm(108pieces)
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

ELECTRICAL CHARACTERISTICS

Component Model	TDP754-400G		TDP754-405G		TDP754-410G		TDP754-415G		TDP754-420G	
Maximum Power (Pmax)	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
	400	438	405	443	410	449	415	455	420	460
Open Circuit Voltage (Voc)	37.10	37.10	37.30	37.30	37.50	37.50	37.70	37.70	37.90	37.90
Short Circuit Current (Isc)	13.70	14.99	13.77	15.07	13.84	15.15	13.91	15.22	13.98	15.30
Maximum Power Voltage (Vmp)	30.90	30.90	31.10	31.10	31.30	31.30	31.50	31.50	31.70	31.70
Maximum Power Current (Imp)	12.95	14.17	13.03	14.26	13.10	14.34	13.18	14.43	13.26	14.51
Component Efficiency (η)	21.51		21.76		22.02		22.28		22.53	
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

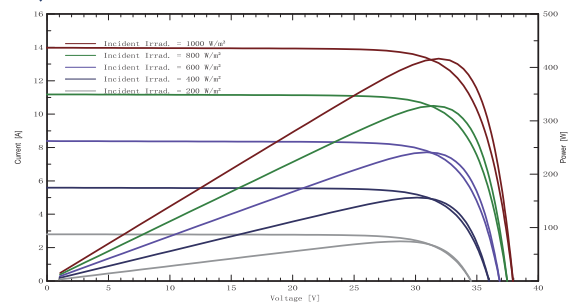
TEMPERATURE CHARACTERISTICS

Maximum Power Temperature Coefficient	-0.35 % / °C
Temperature Coefficient Of Open Circuit Voltage	-0.27 % / °C
Temperature Coefficient Of Short Circuit Current	+0.05 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C
Bifacial-Factor	80% ± 5%

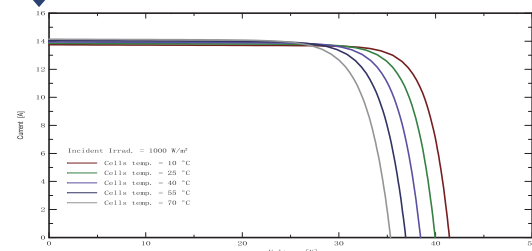
PACKING METHOD

Module Size	1722x1134x30mm
Container	40' HQ
Quantity Per Pallet	36
Number Of Pallets Per Container	26
Quantity Per Container	936

I-V/P-V CURVE AT DIFFERENT IRRADANCE(420W)



I-V CURVE AT DIFFERENT WORKING TEMPERATURE(420W)



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