



TD-(590-610)MD-120HC

MODULE SIZE

2172*1303*35mm

POWER OUTPUT RANGE

590W - 610W

POSITIVE POWER TOLERANCE

0 - + 3%

MONOCRYSTALLINE MODULE

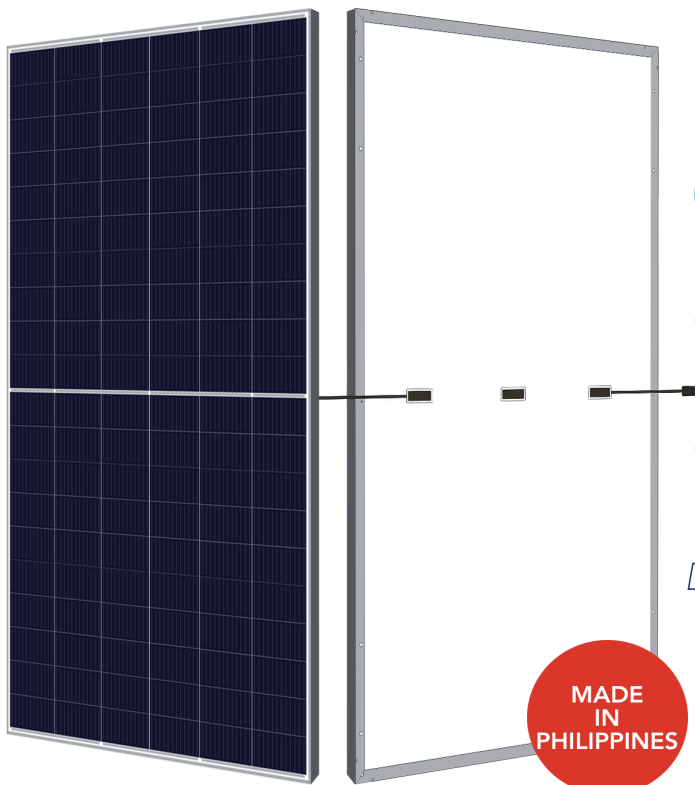
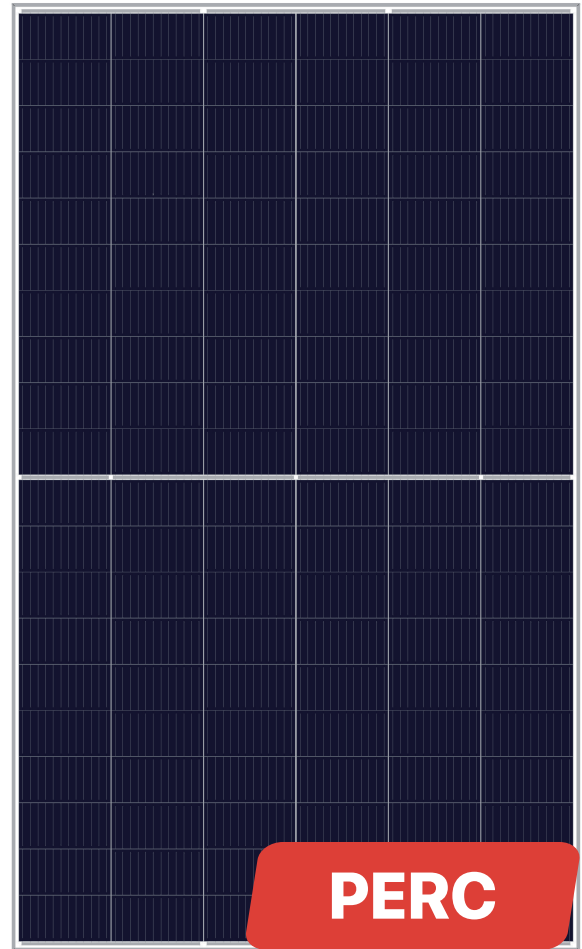
120 CELL

MAXIMUM EFFICIENCY

21.6%

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

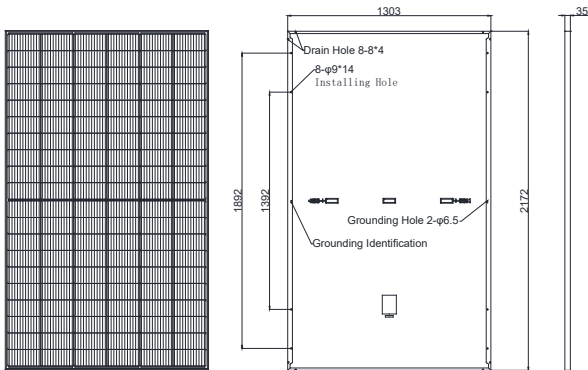


LCOE BOS
Reduced BOS & Increased ROI

MADE IN PHILIPPINES

TIDE SOLAR

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2172x1303x35mm
Weight	29kg
Cell	single crystal PERC 210x105mm(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-590MD-120HC	TD-595MD-120HC	TD-600MD-120HC	TD-605MD-120HC	TD-610MD-120HC
Maximum Power (PMP)	STC 590	STC 595	STC 600	STC 605	STC 610
Open Circuit Voltage (VOC)	41.1	41.3	41.5	41.7	41.9
Short Circuit Current (ISC)	18.42	18.47	18.52	18.57	18.62
Maximum Power Voltage (VMP)	34.3	34.5	34.7	34.9	35.1
Maximum Power Current (IMP)	17.21	17.25	17.30	17.34	17.38
Component Efficiency (η)	20.8	21.0	21.2	21.4	21.6
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

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

PACKING METHOD

Module Size	2172x1303x35mm
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	18
Quantity Per Container	558

I-V Curve

