



## TD-(535-555)MD-110HC

MODULE SIZE

**2384\*1096\*35mm**

POWER OUTPUT RANGE

**535W - 555W**

POSITIVE POWER TOLERANCE

**0 - + 3%**

MONOCRYSTALLINE MODULE

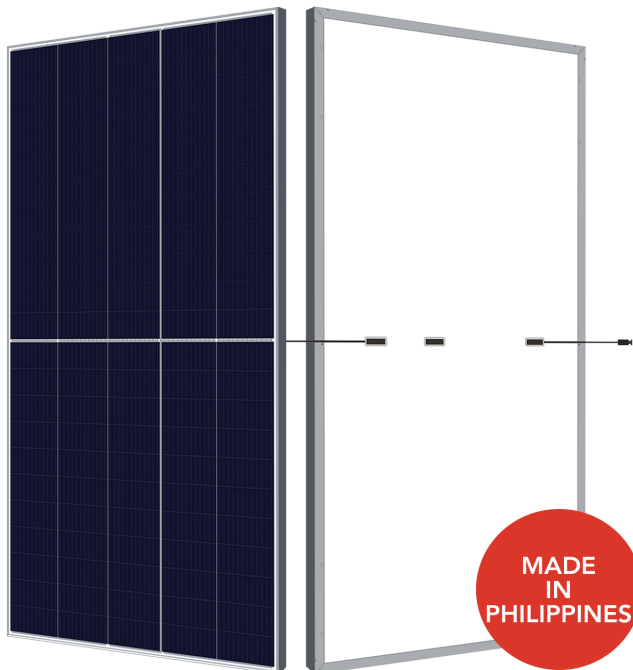
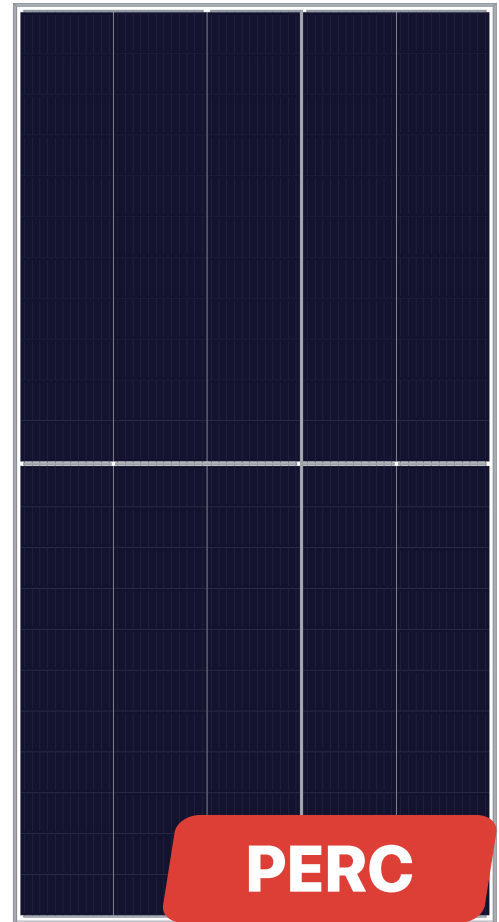
**110 CELL**

MAXIMUM EFFICIENCY

**21.2%**

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



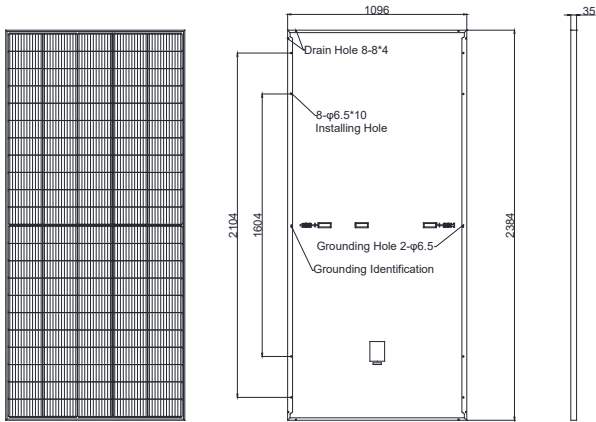
2400pa Wind Load  
5400pa Snow Load



LCOE BOS  
Reduced BOS & Increased ROI

# TIDE SOLAR

## DIMENSIONS OF PV MODULE



## STRUCTURAL CHARACTERISTICS

Module Size	2384x1096x35mm
Weight	27kg
Cell	single crystal PERC 210x105mm(110pieces)
Glass	3.2mm tempered coated glass, low iron
Frame	anodized aluminum alloy
Junction Box	IP68, 3 diodes
Output Lead	4.0mm <sup>2</sup> 300mm(+)/ 300mm(-) or customized
Mechanical Load	front 5400pa / back 2400pa

## ELECTRICAL CHARACTERISTICS

Component Model	TD-535MD-110HC	TD-540MD-110HC	TD-545MD-110HC	TD-550MD-110HC	TD-555MD-110HC
Maximum Power (PMP)	STC 535	STC 540	STC 545	STC 550	STC 555
Open Circuit Voltage (VOC)	37.3	37.5	37.7	37.9	38.1
Short Circuit Current (ISC)	18.36	18.41	18.47	18.52	18.56
Maximum Power Voltage (VMP)	31.0	31.2	31.4	31.6	31.8
Maximum Power Current (IMP)	17.26	17.31	17.36	17.41	17.46
Component Efficiency (η)	20.5	20.7	20.9	21.0	21.2
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	30A				

STC: Irradiance 1000 W/m<sup>2</sup> 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	2384x1096x35mm
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	20
Quantity Per Container	620

## I-V Curve

