



TD-(430-450)MB-144HC

MODULE SIZE

2094*1038*35mm

POWER OUTPUT RANGE

430W - 450W

POSITIVE POWER TOLERANCE

0 - + 3%

MONOCRYSTALLINE MODULE

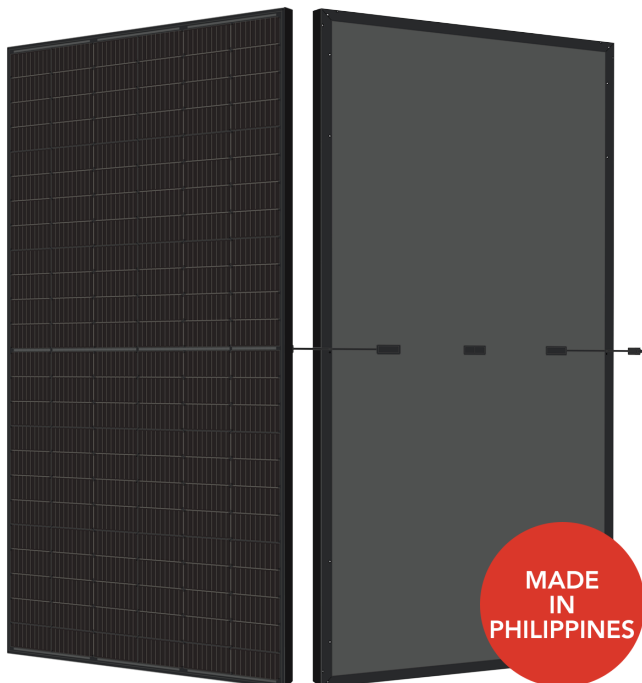
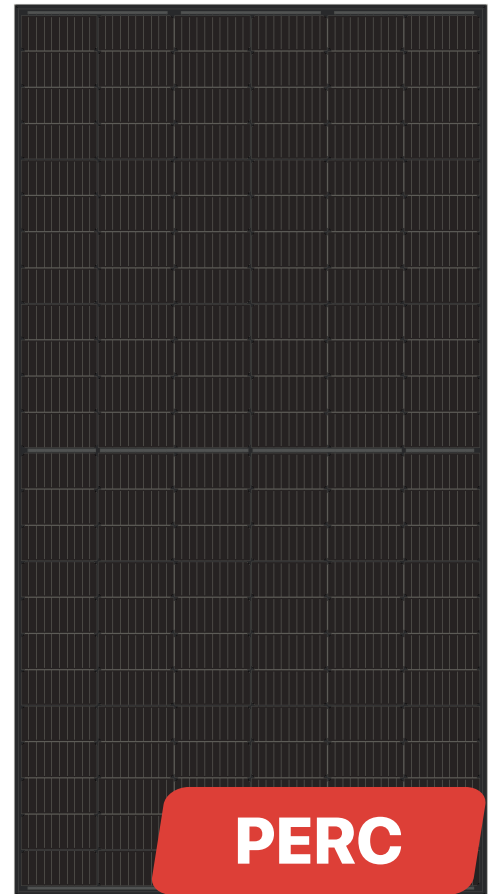
144 CELL

MAXIMUM EFFICIENCY

20.7%

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



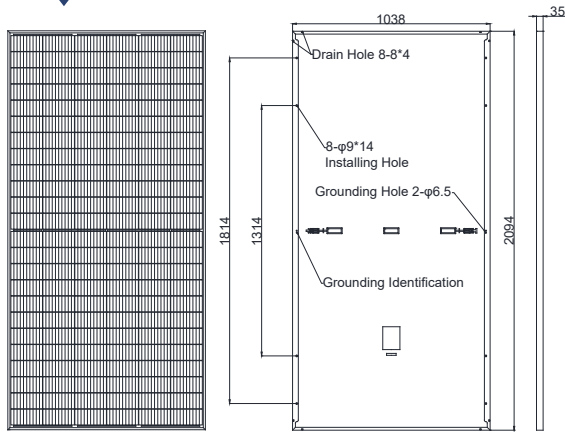
2400pa Wind Load
5400pa Snow Load



LCOE BOS
Reduced BOS & Increased ROI

TIDE SOLAR

DIMENSIONS OF PV MODULE



STRUCTURAL CHARACTERISTICS

Module Size	2094x1038x35mm
Weight	23kg
Cell	single crystal PERC 166x83mm(144pieces)
Glass	3.2mm high transparency, 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	TD-430MB-144HC	TD-435MB-144HC	TD-440MB-144HC	TD-445MB-144HC	TD-450MB-144HC
Maximum Power (PMP)	STC 430	STC 435	STC 440	STC 445	STC 450
Open Circuit Voltage (VOC)	49.3	49.5	49.7	49.9	50.1
Short Circuit Current (ISC)	11.32	11.40	11.47	11.54	11.61
Maximum Power Voltage (VMP)	41.2	41.3	41.4	41.6	41.8
Maximum Power Current (IMP)	10.44	10.54	10.63	10.70	10.77
Component Efficiency (η)	19.78	20.01	20.24	20.47	20.7
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	20A				

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	2094x1038x35mm
Container	40' HQ
Quantity Per Pallet	31+2*
Number Of Pallets Per Container	22
Quantity Per Container	726

I-V Curve

