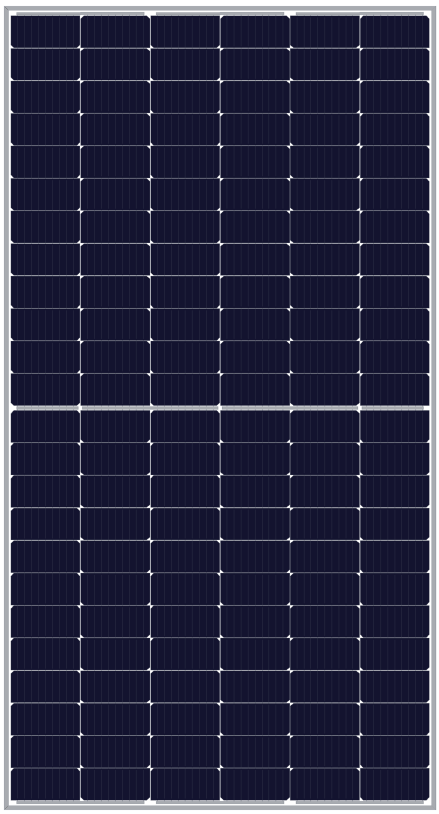
TD-(430-450)MB-144HC



MODULE SIZE *2094*1038*35mm*

144 CELL
MONOCRYSTALLINE MODULE

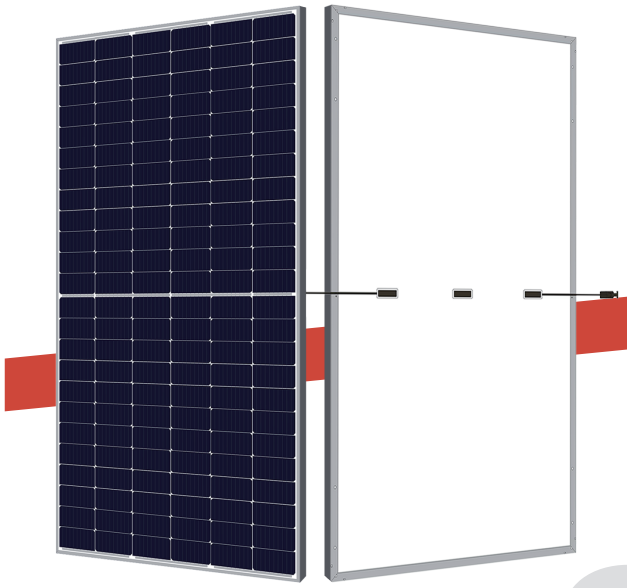
430W - 450W
POWER OUTPUT RANGE

20.7%
MAXIMUM EFFICIENCY

0 - +3%
POSITIVE POWER TOLERANCE

LINEAR PERFORMANCE WARRANTY
15 Year Product Warranty
30 Year Linear Power Warranty

- Competitive low light performance
- Reduced power loss minimising the effect of shadow shading
- High density packaging
- Muti-Busbar Technology
- 2400pa wind pressure & 5400pa snow pressure
- LCOE BOS — Reduced BOS & increased ROI



TD 430W-450W

TIDE SOLAR

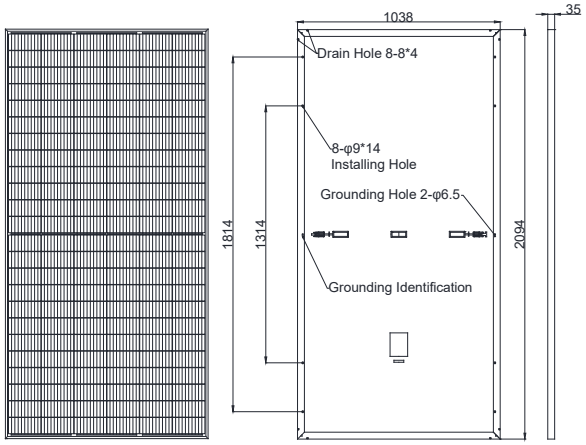
HIGH *Power Efficiency Reliability*

www.tide-solar.com

Add：Wind and Solar Industrial Park, Huishan, Wuxi, Jiangsu , China
Tel：+86-510-83885850　E-mail：info@tide-solar.com

430W-450W

DIMENSIONS OF PV MODULE



Temperature Characteristics

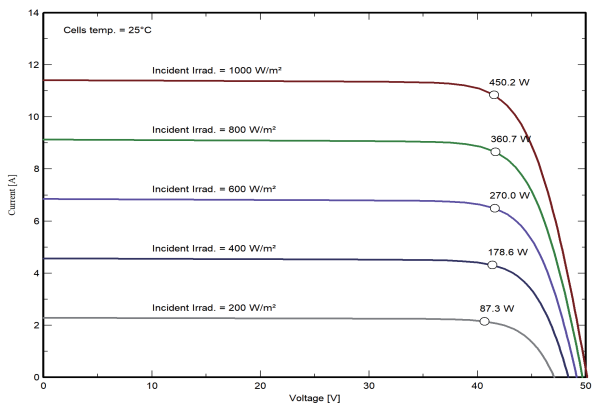
Maximum Power Temperature Coefficient	-0.35 % / °C
Temperature Coefficient Of Open Circuit Voltage	-0.27 % / °C
Temperature Confficient Of Short Circuit Current	+0.05 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

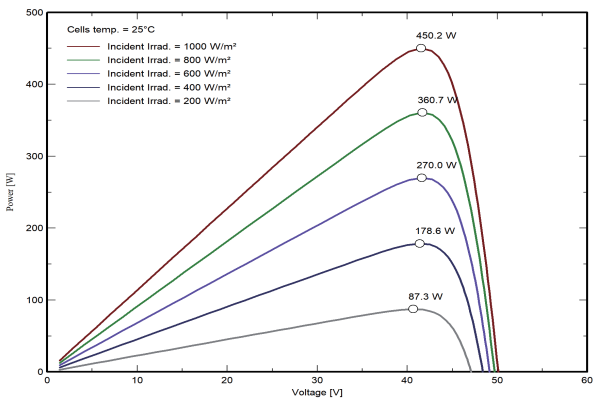
Electrical Characteristics

Component Model	TD-430MB-144HC	TD-435MB-144HC	TD-440MB-144HC	TD-445MB-144HC	TD-450MB-144HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	430	435	440	445	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 Efficency (η_m)	19.78	20.01	20.24	20.47	20.7
Power Tolerance	(0, +3%)				
Maximum System Voltage	1500V DC				
Maximum Rated Fuse Current	20 A				

STC: Irradiance 1000 W/m² module temperature 25 °C AM=1.5

I-V Curve





Structural Characteristics

Module Size	2094x1038x35mm
Weight	23.5kg
Cell	single crystal PERC 166x83mm(144pieces)
Glass	3.2mm tempered coated glass,low iron
Frame	anodized aluminmum alloy
Junction Box	IP68,3 diodes
Output Lead	4.0mm² 1200mm(+)/1200mm(-) or customized
Mechanical Load	front 5400pa/back 2400pa

Packing Method

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