



TD-(530-550)MC-144HC

MODULE SIZE 2279*1134*35mm

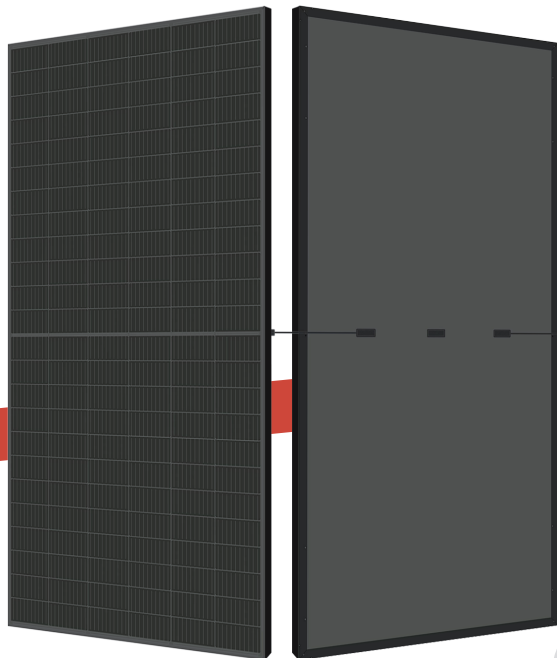
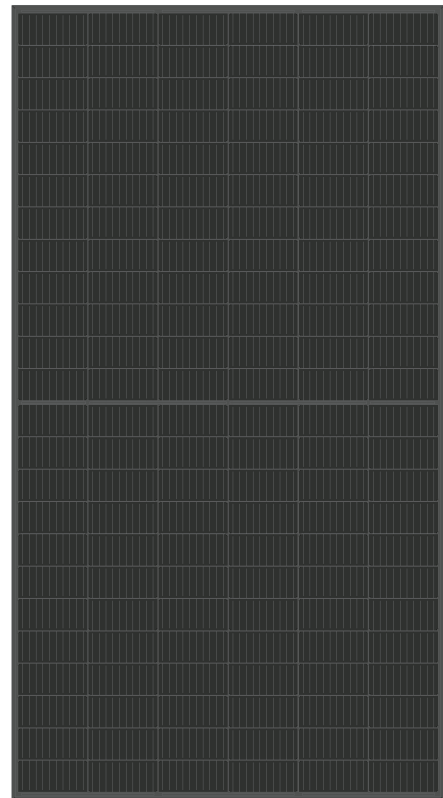
144 CELL
MONOCRYSTALLINE MODULE

530W - 550W
POWER OUTPUT RANGE

21.28%
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



Reduced BOS & increased ROI

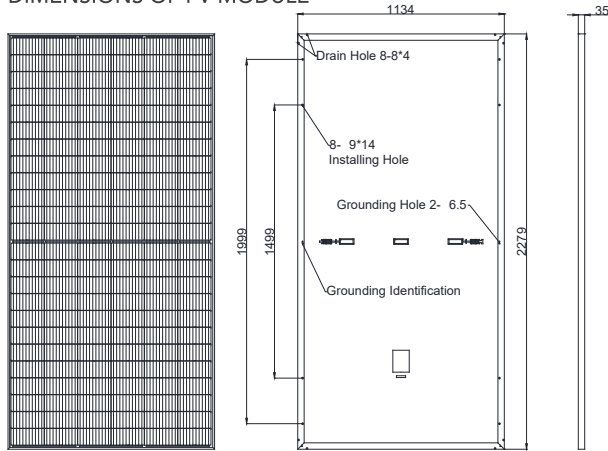
TD 530W-550W

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SOLAR
TIDE
HIGH Power Efficiency Reliability

DIMENSIONS OF PV MODULE



Temperature Characteristics

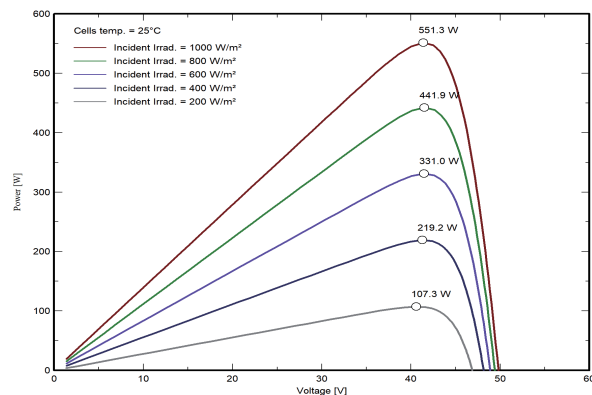
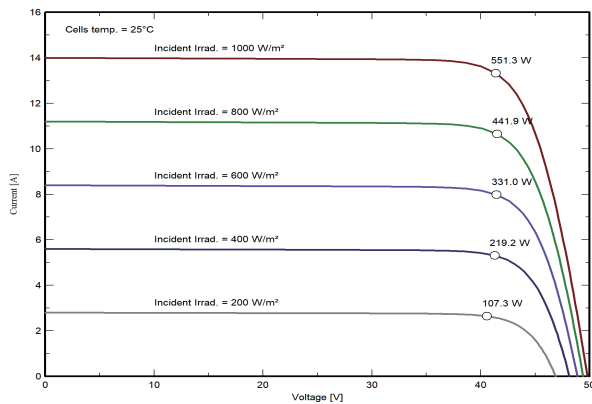
Maximum Power Temperature Coefficient	-0.35 % / °C
Temperature Coefficient Of Open Circuit Voltage	-0.27 % / °C
Temperature Coefficient Of Short Circuit Current	+0.05 % / °C
Working Temperature	-40 ~ +85 °C
Nominal Operating Cell Temperature (NOCT)	45 ± 2 °C

Electrical Characteristics

Component Model	TD-530MC-144HC	TD-535MC-144HC	TD-540MC-144HC	TD-545MC-144HC	TD-550MC-144HC
Maximum Power (PMP)	STC	STC	STC	STC	STC
	530	535	540	545	550
Open Circuit Voltage (VOC)	49.0	49.2	49.4	49.6	49.8
Short Circuit Current (ISC)	13.76	13.81	13.84	13.94	13.99
Maximum Power Voltage (VMP)	41.48	41.65	41.82	41.99	42.15
Maximum Power Current (IMP)	12.78	12.85	12.92	12.98	13.05
Component Efficiency (η_c)	20.56	20.76	20.95	21.14	21.28
Power Tolerance			(0,+3%)		
Maximum System Voltage			1500 V		
Maximum Rated Fuse Current			25 A		

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

I-V Curve



Structural Characteristics

Module Size	2279x1134x35mm
Weight	26kg
Cell	single crystal PERC 182x91mm(144pieces)
Glass	3.2mm High transparency, tempered glass
Frame	anodized aluminum alloy
Junction Box	IP68,3 diodes
Output Lead	4.0mm ² 1200mm(+)/1200mm(-) or customized
Mechanical Load	front 5400pa/back 2400pa

Packing Method

Module Size	2279x1134x35mm
Container	40' HQ
Quantity Per Pallet	31
Number Of Pallets Per Container	20
Quantity Per Container	620