

TYPICAL PERFORMANCE CHARACTERISTICS

Typical Power (Wp)	550
Power Tolerance (W)	(0,- +5W)
Voltage at Max Power (Vmp)	41.96
Current at Max Power (Imp)	13.11
Open Circuit Voltage (Voc)	49.90
Short Circuit Current (Isc)	14.00

Standard Test Conditions: 1000W/m², AM1.5 and 25 °C

TEMPERATURE COEFFICIENTS

Temperature Coefficients (Pmax)	- 0.35% / °C
Temperature Coefficients (Voc)	- 0.27% / °C
Temperature Coefficients (Isc)	0.05% / °C
Nominal Operating Cell Temp (NOCT)	45 +/- 2 °C

CELLS

Type	MBB Monocrystalline
Dimensions	166 x 83 mm
Layout	144(6X12X2)
Module Efficiency	21.28%

GENERAL INFORMATION

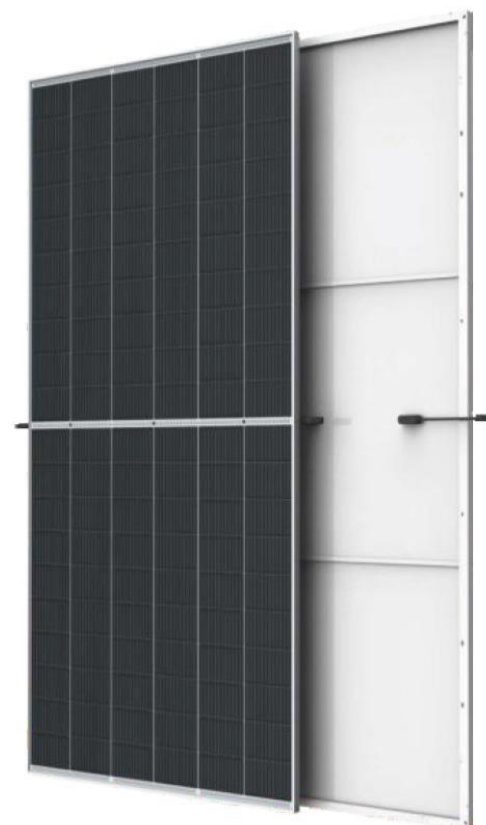
Maximum System Voltage	1500Vdc
Output Cables	4.0 mm ² , 200mm(+)/300mm(-)
Frame	Anodized Aluminium Alloy
Packaging	31 modules per pallet

WARRANTY LOCALLY SUPPORTED

Construction	10 Years
Power Output	Terrestrial: 25 Years / 80% Yield Marine: 15 Years / 80% Yield

MECHANICAL SPECIFICATIONS

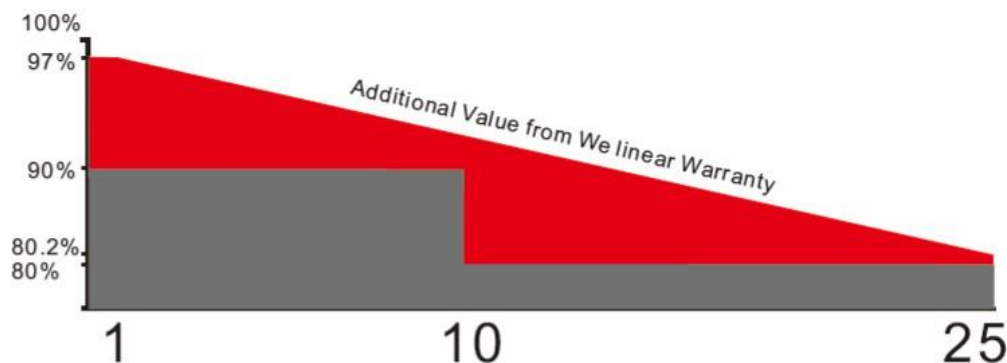
Dimensions	2279mm x 1134mm x 35mm
Weight	29kg



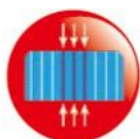
A550-550Wp MONO Solar Module

Stock code: MOD257

Industry-Leading Warranty Based on Nominal Power



- * 25-year linear power output warranty
- * 10-year product warranty
- * The first year attenuation $\leq 2\%$



Half Cell

The power of Half-cell solar panel increases, and the hot spot temperature reduces because of lower working current



Positive Tolerance

Positive tolerance of up to 0~+5W delivers higher outputs reliability



High PID Resistant

Advanced cell technology and qualified materials lead to high PID resistant



Current Sorting Process

System output maximized by reducing mismatch losses up to 2% with modules sorted & packaged by amperage



Extended Wind and Snow load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads(5400 Pascal)



1500V

Backsheet and junction box supporting 1500V system