

SENZA[®] SOLAR

M10 MONO BI-FACIAL MODULE 550WP-570WP

550W-570W
Power Output Range

0/+2W
Positive Power Tolerance

144 CELL
Mono Half Cut Cell Module

upto 24.50%
Maximum Efficiency

WHY SENZA SOLAR



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environment like desert, farm and coastline.



Low-light Performance

Advanced glass and solar cell surface texturing allow for excellent performance in low-light environments.



High Efficiency

High module conversion efficiency (up to 24.50%), through innovative manufacturing technology.



Severe Weather Resilience

Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



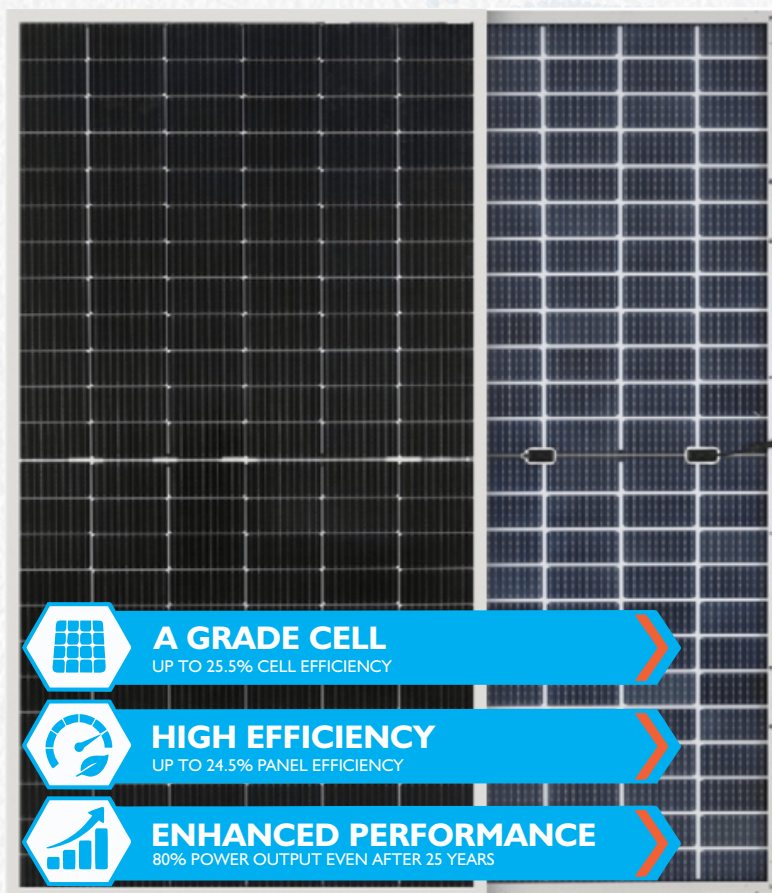
Higher Quality Assurance

100% EL test.
EL test, providing higher quality assurance



Maximized Energy Harvest

Impedance matching technology eliminates mismatch losses, more power from each module bin.



A GRADE CELL

UP TO 25.5% CELL EFFICIENCY

HIGH EFFICIENCY

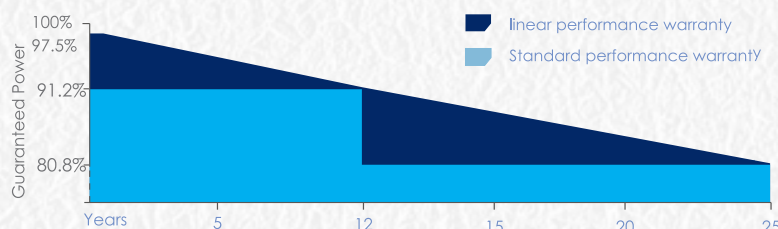
UP TO 24.5% PANEL EFFICIENCY

ENHANCED PERFORMANCE

80% POWER OUTPUT EVEN AFTER 25 YEARS

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty | 25 Year Linear Power Warranty



ISO9001:2015



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ELECTRICAL DATA

STC	SNS-ADDCM550Wp - SNS-ADDCM570Wp				
Maximum Power at STC (Pmax)	550W	555W	560W	565W	570W
Optimum Operating Voltage (Vmp)	41.95V	42.10V	42.25V	42.40V	42.55V
Optimum Operating Current (Imp)	13.11A	13.18A	13.25A	13.33A	13.40A
Open Circuit Voltage (Voc)	49.80V	49.95V	50.10V	50.25V	50.40V
Short Circuit Current (Isc)	13.99A	14.06A	14.13A	14.20A	14.27A
Module Efficiency	21.29%	21.47%	21.67%	21.87%	22.07%
Operating Module Temperature	-40 °C to +85 °C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	30 A				
Power Tolerance	Positive				

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; Tolerance of Pmax is within +/- 2% ;

NMOT

Maximum Power at NMOT (Pmax)	412W	416W	420W	424W	428W
Optimum Operating Voltage (Vmp)	39.15V	39.30V	39.45V	39.60V	39.75V
Optimum Operating Current (Imp)	10.71A	10.78A	10.85A	10.92A	10.99A
Open Circuit Voltage (Voc)	46.65V	46.80V	46.95V	47.10V	47.25V
Short Circuit Current (Isc)	11.40A	11.46A	11.52A	11.58A	11.64A

NMOT: Irradiance 800 W/m² ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.

MODEL	550W	555W	560W	565W	570W
5% BIFACIAL GAIN	577.5W	582.5W	588.0W	593.2W	598.5W
10% BIFACIAL GAIN	605.0W	610.5W	616.0W	621.5W	627.0W
15% BIFACIAL GAIN	632.5W	638.2W	644.0W	649.8W	655.5W

TEMPERATURE RATINGS

Nominal Module Operating Temperature (NMOT)	45 ± 2 °C
Temperature Coefficient of Pmax	-0.350%/°C
Temperature Coefficient of Voc	-0.280%/°C
Temperature Coefficient of Isc	0.050%/°C

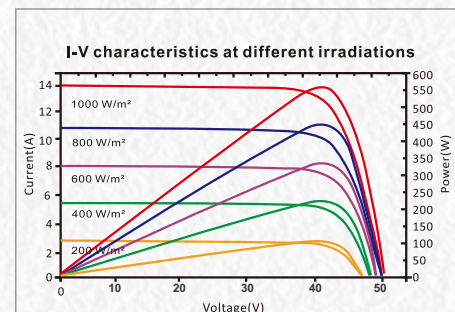
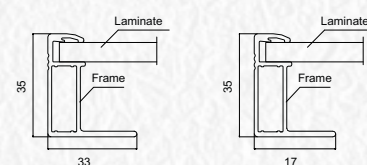
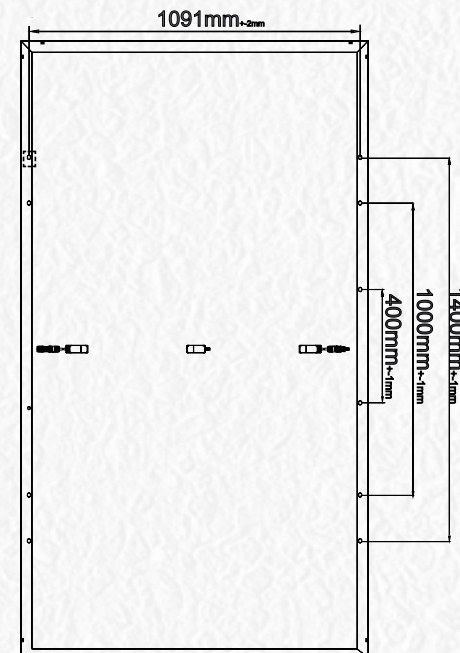
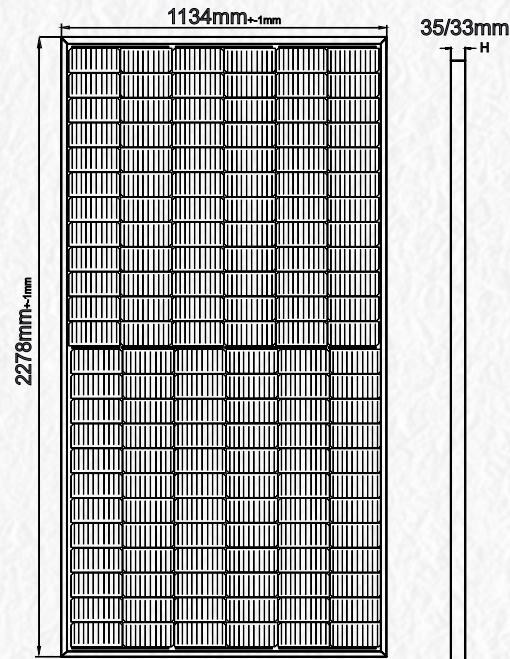
MECHANICAL DATA

Solar Cell	91mmx182.2 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm
Weight	29.00 kgs±2%
Front Glass	3.2 mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0 mm ²
Connectors	Mc4
Mechanical Load Strength	5400 Pa (Snow Load), 2400 pa (Wind Load)

PACKING DETAILS

Modules Per Pallet	31 Modules
Total Pallet	
Total Modules 40 Ft HQ container	

Note:
 • The specifications in this datasheet are subject to change without any notice.
 • The electrical data given here is for reference purpose only.
 • Please contact our sales team for any customized solutions.
 • Please read safety and installation instructions before using the product.
 • Subject to Bangalore jurisdiction.



SENZA[®] SOLAR

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