

SENZA[®] SOLAR

M10 MONO BI-FACIAL MODULE

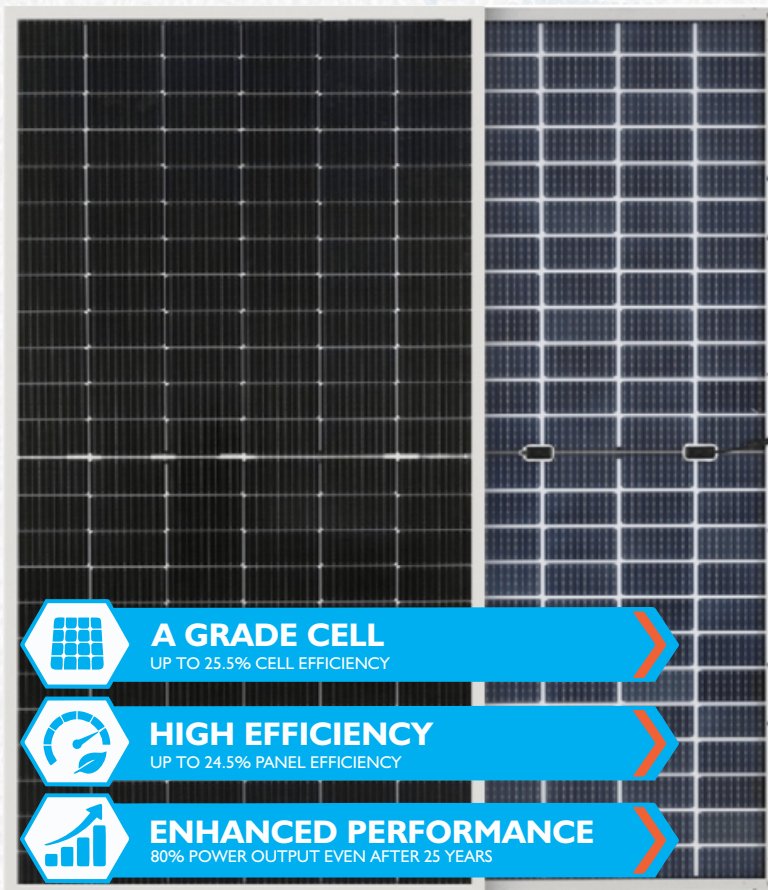
530WP-550WP

530W-550W
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).



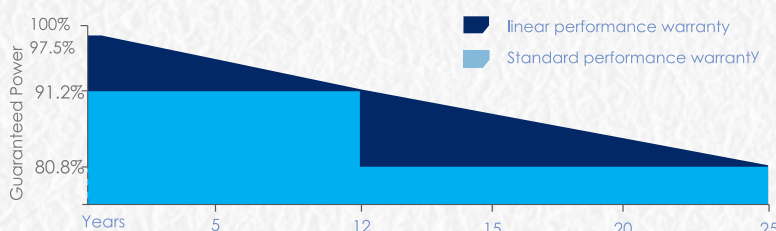
Higher Quality Assurance
100% EL test.
EL test, providing higher quality assurance



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

LINEAR PERFORMANCE WARRANTY

12 Year Product Warranty | 25 Year Linear Power Warranty



ISO9001:2015



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ELECTRICAL DATA

STC	SNS-ADDCM530Wp - SNS-ADDCM550Wp				
Maximum Power at STC (Pmax)	530W	535W	540W	545W	550W
Optimum Operating Voltage (Vmp)	41.35V	41.50V	41.65V	41.80V	41.95V
Optimum Operating Current (Imp)	12.82A	12.90A	12.97A	13.04A	13.11A
Open Circuit Voltage (Voc)	49.20V	49.35V	49.50V	49.65V	49.80V
Short Circuit Current (Isc)	13.71A	13.78A	13.85A	13.92A	13.99A
Module Efficiency	20.52%	20.71%	20.90%	21.10%	21.29%
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)	397W	401W	405W	409W	412W
Optimum Operating Voltage (Vmp)	38.55V	38.70V	38.85V	39.00V	39.15V
Optimum Operating Current (Imp)	10.42A	10.50A	10.57A	10.64A	10.71A
Open Circuit Voltage (Voc)	46.05V	46.20V	46.35V	46.50V	46.65V
Short Circuit Current (Isc)	11.16A	11.22A	11.28A	11.34A	11.40A

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

MODEL	530W	535W	540W	545W	550W
5% BIFACIAL GAIN	556.5W	561.7W	567.0W	572.2W	577.5W
10% BIFACIAL GAIN	583.0W	588.5W	593.0W	598.5W	603.0W
15% BIFACIAL GAIN	609.5W	615.2W	620.0W	625.7W	632.5W

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

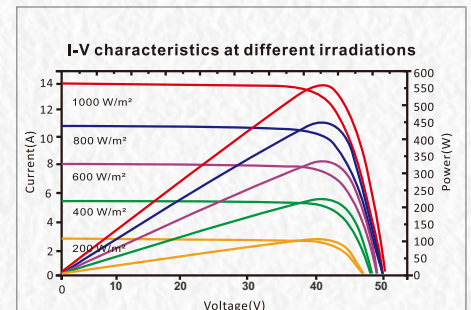
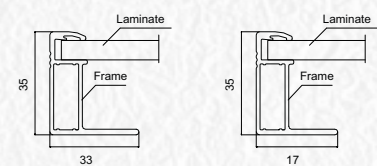
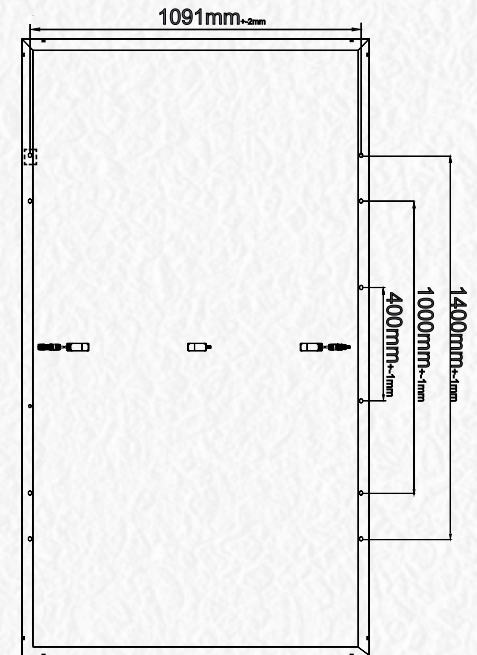
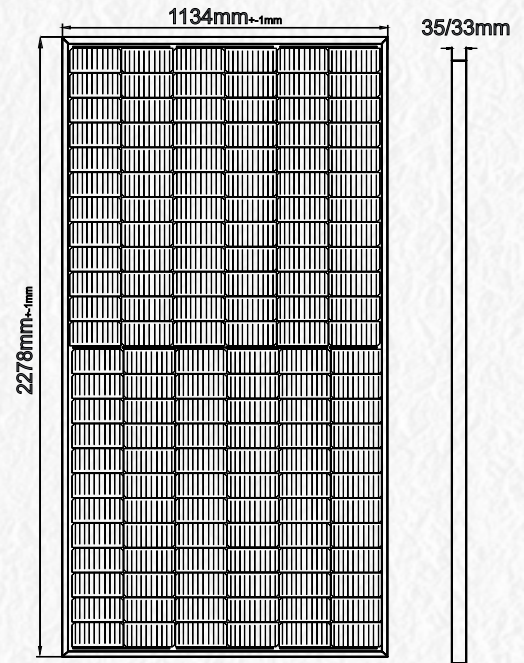
MECHANICAL DATA

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 Bahawalpur jurisdiction.



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