

SENZA[®] SOLAR

M10 MONO BI-FACIAL MODULE

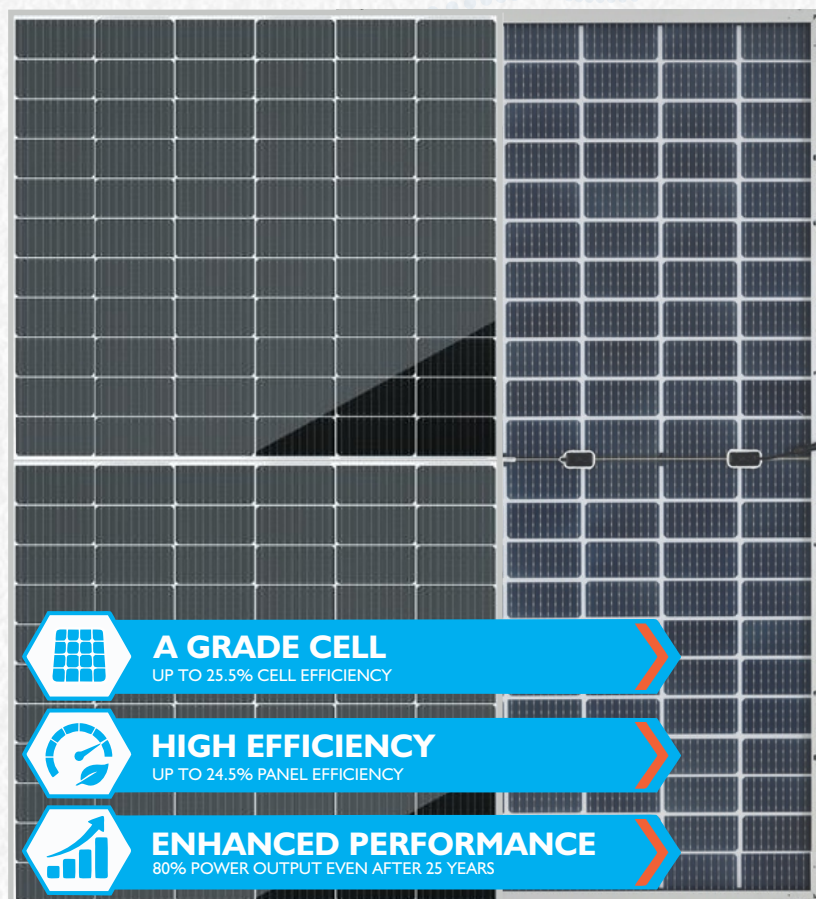
465WP-485WP

465W-485W
Power Output Range

0/+2W
Positive Power Tolerance

132 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).



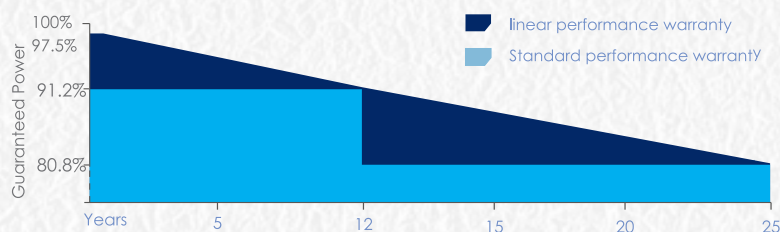
Higher Quality Assurance
100% EL test.
EL test, providing higher quality assurance



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

LINEAR PERFORMANCE WARRANTY

10 Year Product Warranty | 25 Year Linear Power Warranty



ISO9001:2015



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ELECTRICAL DATA

STC	SNS-ACBCM465Wp - SNS-ACBCM485Wp				
Maximum Power at STC (Pmax)	465W	470W	475W	480W	485W
Optimum Operating Voltage (Vmp)	37.10V	37.25V	37.40V	37.55V	37.70V
Optimum Operating Current (Imp)	12.53A	12.62A	12.70A	12.78A	12.86A
Open Circuit Voltage (Voc)	44.45V	44.60V	44.75V	44.90V	45.05V
Short Circuit Current (Isc)	13.43A	13.50A	13.57A	13.64A	13.71A
Module Efficiency	19.59%	19.80%	20.03%	20.21%	20.43%
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)	347W	351W	356W	360W	364W
Optimum Operating Voltage (Vmp)	34.40V	34.55V	34.70V	34.85V	35.00V
Optimum Operating Current (Imp)	10.10A	10.18A	10.26A	10.34A	10.42A
Open Circuit Voltage (Voc)	41.50V	41.65V	41.80V	41.95V	42.10V
Short Circuit Current (Isc)	10.92A	10.98A	11.04A	11.10A	11.16A

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

MODEL	465W	470W	475W	480W	485W
5% BIFACIAL GAIN	488.2W	493.5W	498.8W	504.0W	509.2W
10% BIFACIAL GAIN	511.5W	517.0W	522.5W	528.0W	533.5W
15% BIFACIAL GAIN	534.8W	540.5W	546.2W	552.0W	557.8W

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

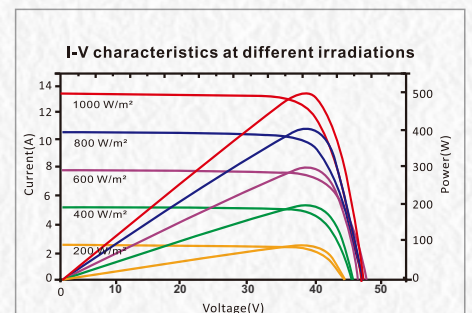
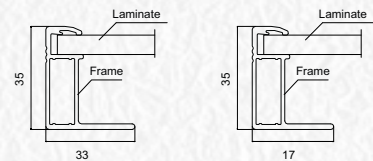
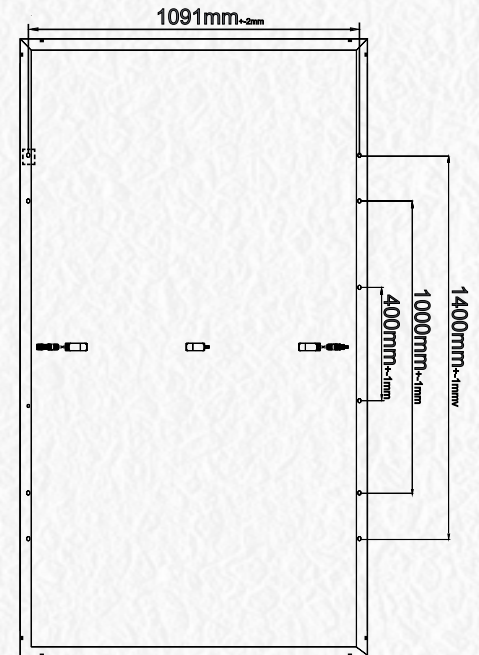
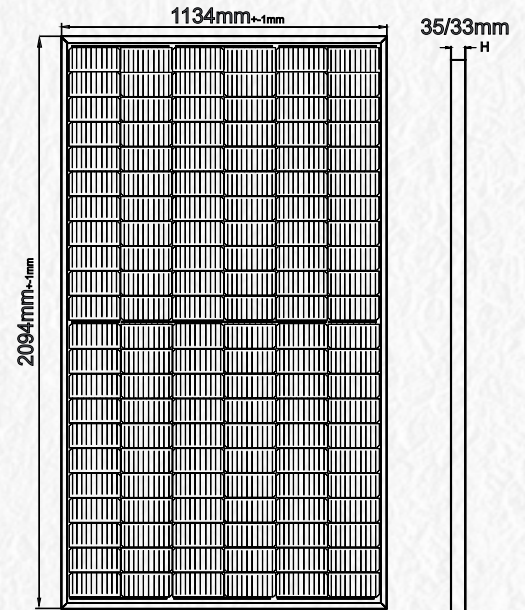
MECHANICAL DATA

Solar Cell	91mmx182.2 mm
No. of Cells	132 (6 × 22)
Dimensions	2094 × 1134 × 35 mm
Weight	23.00 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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