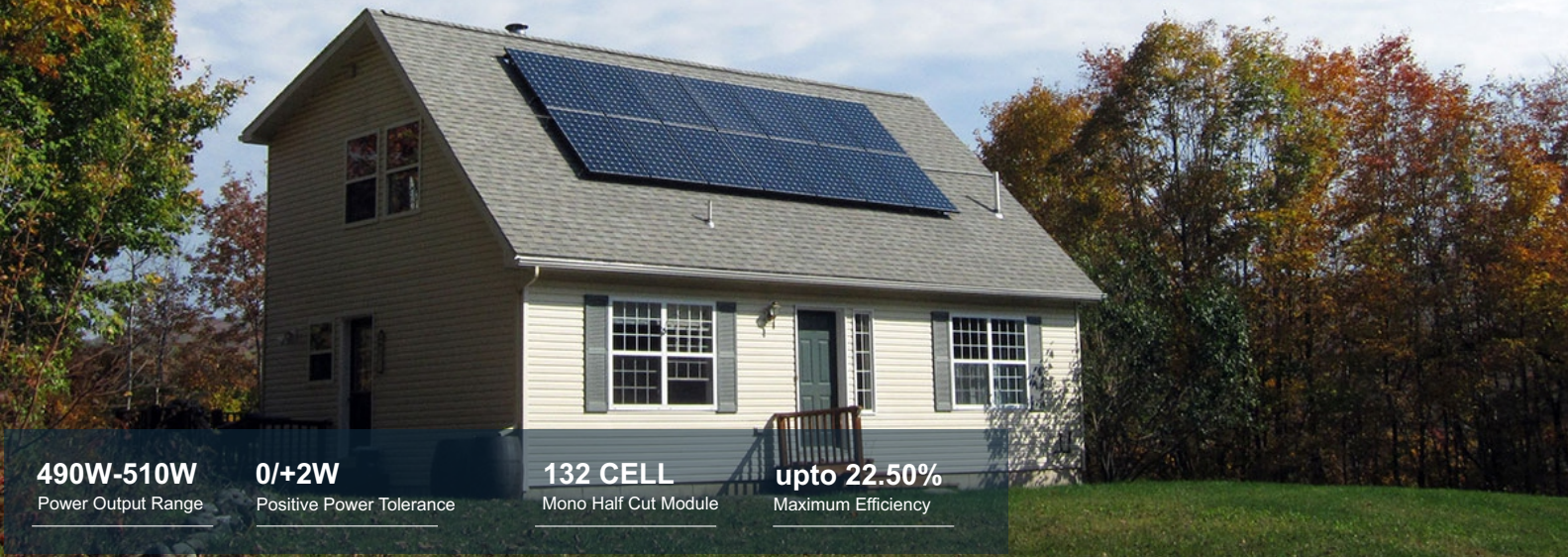


SENZA[®] SOLAR

M10 MONOFACIAL MODULE

490WP-510WP

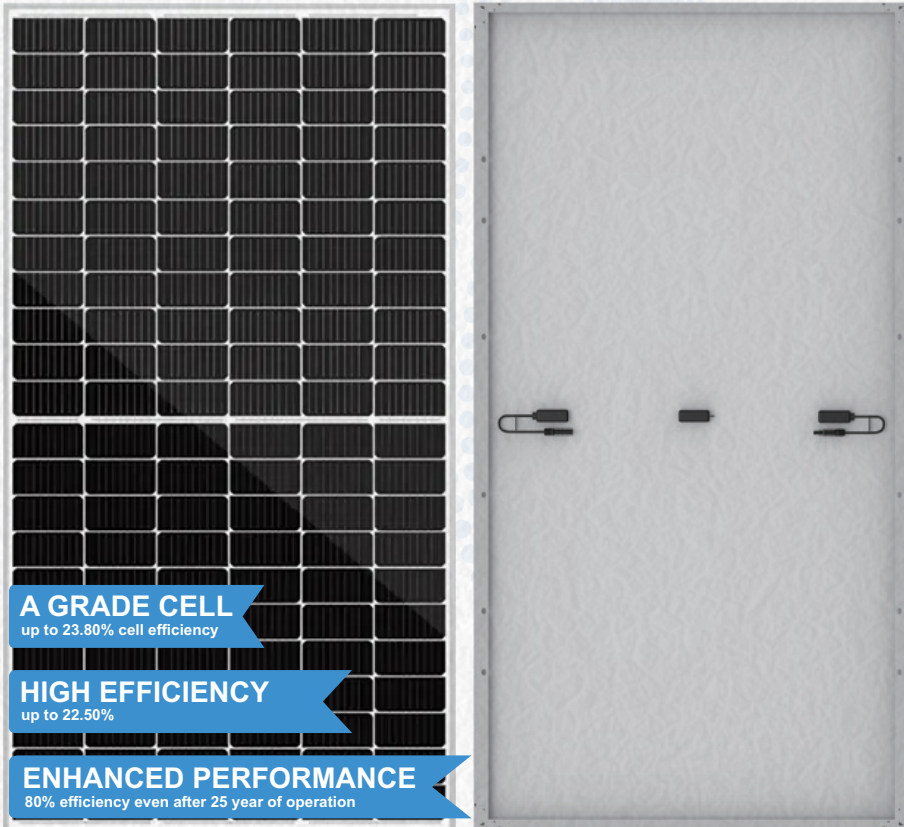


490W-510W
Power Output Range

0/+2W
Positive Power Tolerance

132 CELL
Mono Half Cut Module

upto 22.50%
Maximum Efficiency



A GRADE CELL
up to 23.80% cell efficiency

HIGH EFFICIENCY
up to 22.50%

ENHANCED PERFORMANCE
80% efficiency even after 25 year of operation

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 22.50%), through innovative manufacturing technology.



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



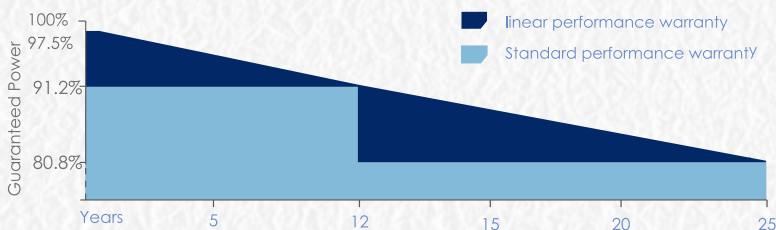
Higher Quality Assurance
100% EL test.
EL test, providing higher quality assurance



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



Electrical Characteristics

STC	SNS132CM490Wp-SNS132CM510Wp				
Maximum Power at STC (Pmax)	490W	495W	500W	505W	510W
Optimum Operating Voltage (Vmp)	37.28V	37.48V	37.68V	37.88V	38.08V
Optimum Operating Current (Imp)	13.15A	13.21A	13.27A	13.34A	13.40A
Open Circuit Voltage (Voc)	44.81V	45.01V	45.21V	45.41V	45.61V
Short Circuit Current (Isc)	14.01A	14.09A	14.17A	14.25A	14.33A
Module Efficiency	20.64%	20.86%	21.07%	21.28%	21.49%
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 +/- 3% ;

NMOT					
Maximum Power at NMOT (Pmax)	363W	367W	370W	374W	378W
Optimum Operating Voltage (Vmp)	35.23V	35.42V	35.61V	35.80V	35.99V
Optimum Operating Current (Imp)	10.32A	10.37A	10.42A	10.47A	10.52A
Open Circuit Voltage (Voc)	42.30V	42.49V	42.68V	42.87V	43.06V
Short Circuit Current (Isc)	11.00A	11.06A	11.12A	11.19A	11.25A

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

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.320%/°C
Temperature Coefficient of Voc	-0.260%/°C
Temperature Coefficient of Isc	0.046%/°C

Mechanical Characteristics

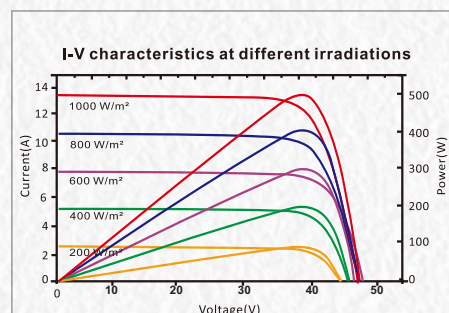
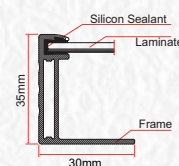
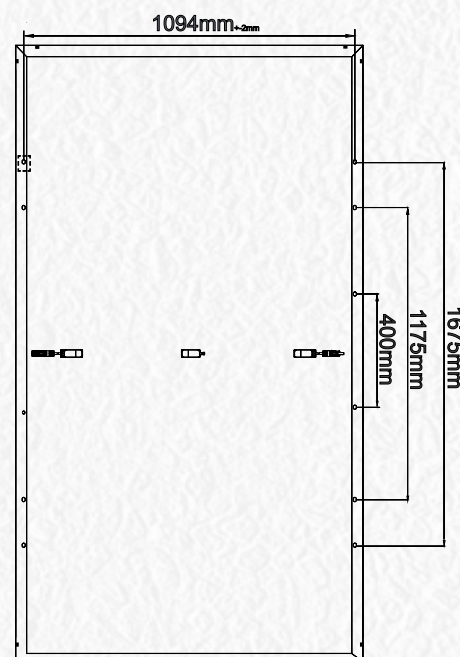
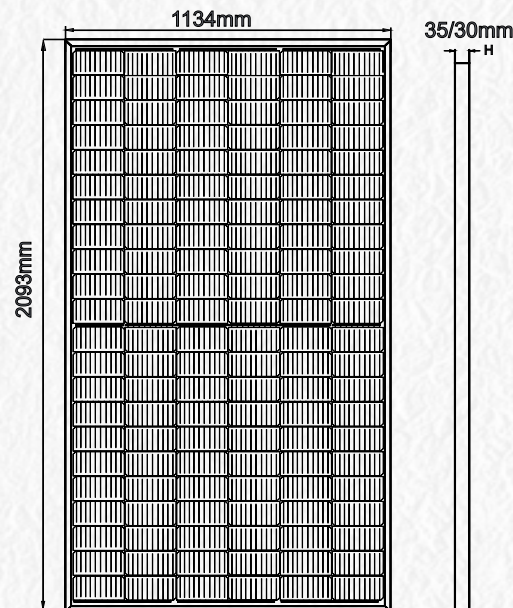
Solar Cell	91mmx182 mm
No. of Cells	132 (6 × 22)
Dimensions	2093 × 1134 × 35 mm
Weight	23.00 kgs
Front Glass	3.2 mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0 mm ²
Connectors	Mc4

Packing Information

Modules Per Pallet	31 Modules
Total Pallet	22 Pallets
Total Modules 40 Ft HQ container	682 Modules

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 Bahadurgarh Jurisdiction.



SENZA[®] SOLAR

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