

# SENZA<sup>®</sup> SOLAR

## M10 MONOFACIAL MODULE

### 505WP-525WP

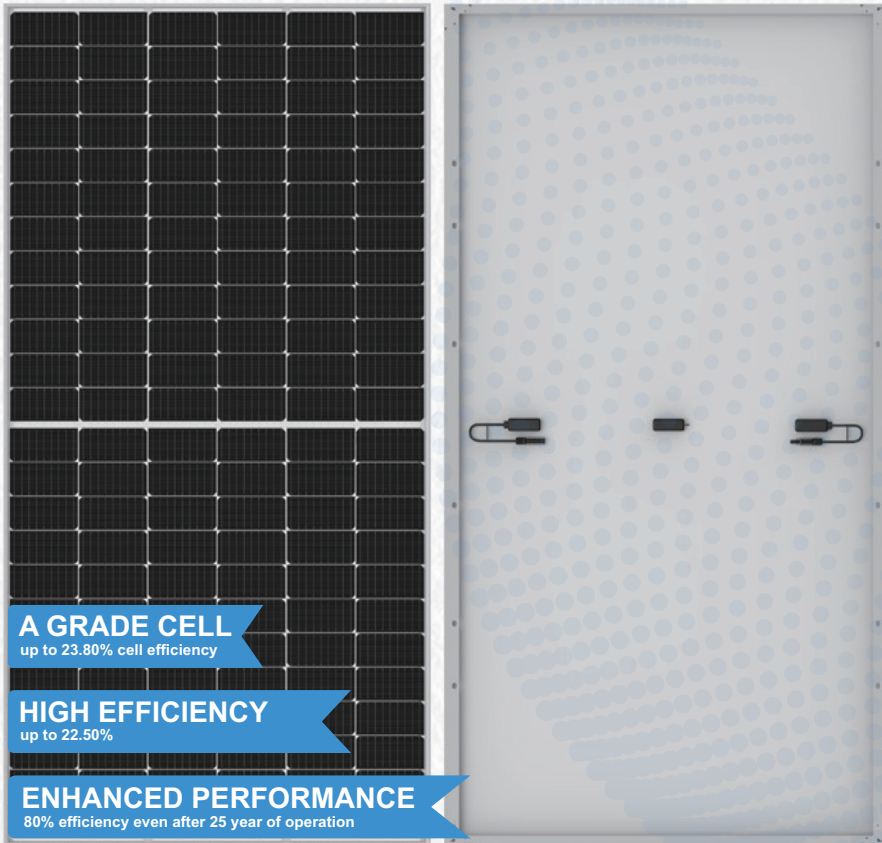


**505W-525W**  
Power Output Range

**0/+2W**  
Positive Power Tolerance

**144 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).



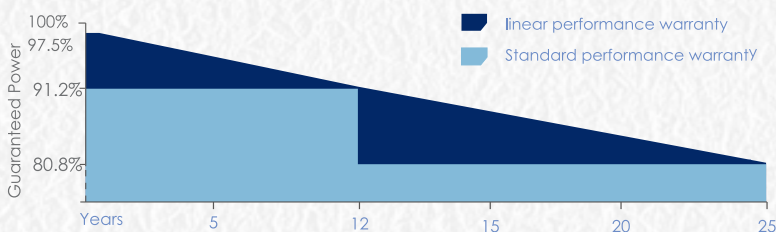
**Higher Quality Assurance**  
100% EL test.  
EL test, providing higher quality assurance



**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



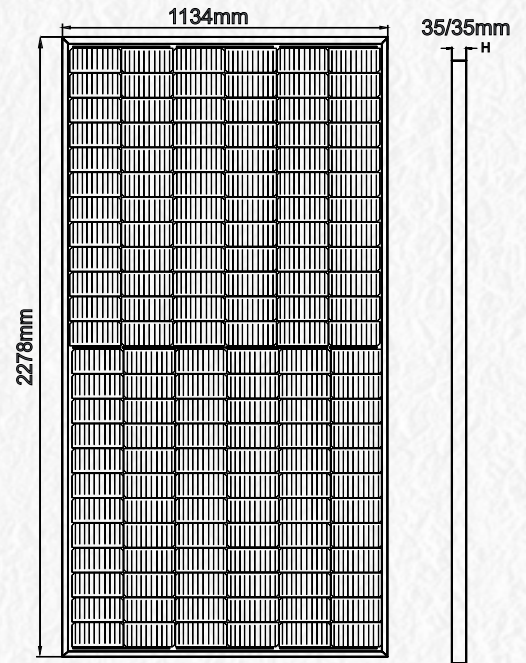
## Electrical Characteristics

STC	SNS144CM505Wp-SNS144CM525Wp				
Maximum Power at STC (Pmax)	505W	510W	515W	5205W	525W
Optimum Operating Voltage (Vmp)	40.06V	40.75V	40.90V	41.05V	41.20V
Optimum Operating Current (Imp)	12.44A	12.52A	12.58A	12.66A	12.74A
Open Circuit Voltage (Voc)	48.45V	48.60V	48.75V	48.90V	49.05V
Short Circuit Current (Isc)	13.36A	13.43A	13.50A	13.57A	13.64A
Module Efficiency	19.52%	19.72%	19.92%	20.12%	20.32%
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/m<sup>2</sup>, module temperature 25 °C, AM=1.5;  
Tolerance of Pmax is within +/- 3% ;

NMOT					
Maximum Power at NMOT (Pmax)	374W	378W	382W	386W	390W
Optimum Operating Voltage (Vmp)	38.37V	38.51V	38.65V	38.79V	38.93V
Optimum Operating Current (Imp)	9.77A	9.83A	9.09A	9.94A	10.01A
Open Circuit Voltage (Voc)	45.74V	45.88V	46.02V	46.16V	46.30V
Short Circuit Current (Isc)	10.49A	10.54A	10.60A	10.65A	10.71A

NMOT: Irradiance 800 W/m<sup>2</sup>, 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

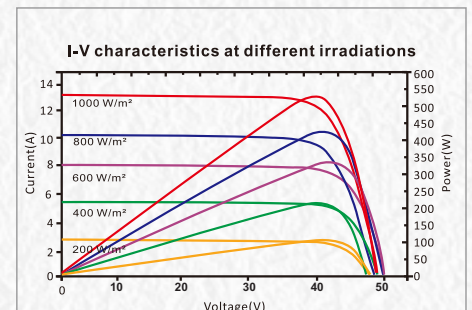
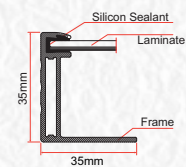
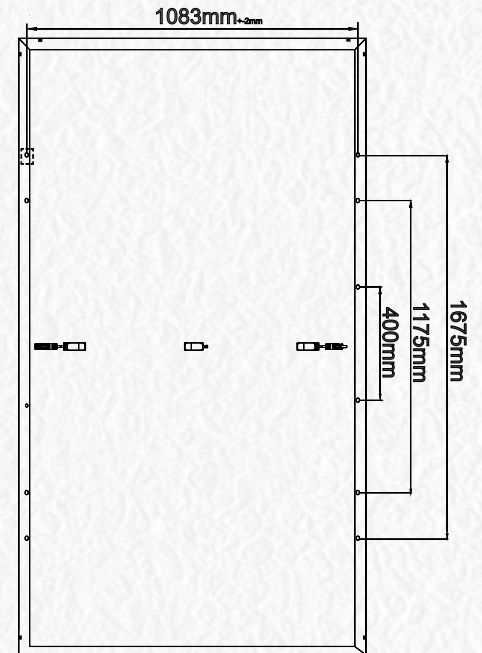
Solar Cell	91mmx182 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm
Weight	30.00 kgs
Front Glass	3.2 mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0 mm <sup>2</sup>
Connectors	Mc4

## Packing Information

Modules Per Pallet	31 Modules
Total Pallet	20 Pallets
Total Modules 40 Ft HQ container	620 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.



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