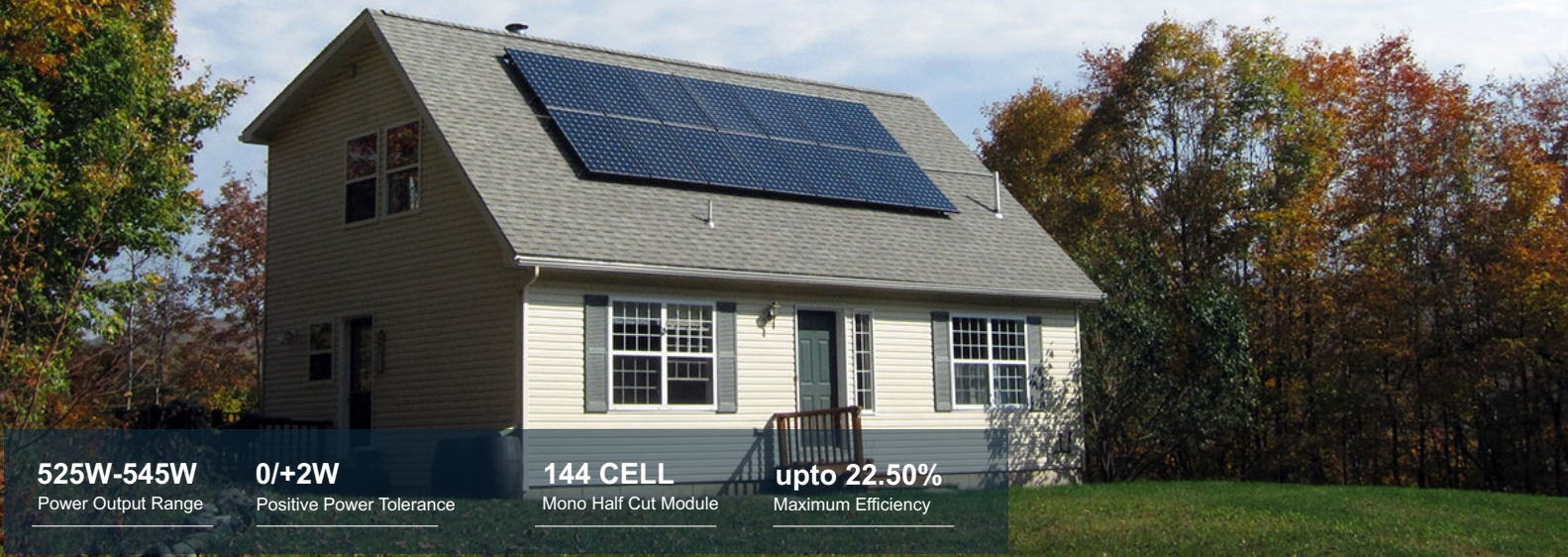


# SENZA<sup>®</sup> SOLAR

## M10 MONOFACIAL MODULE

### 525WP-545WP

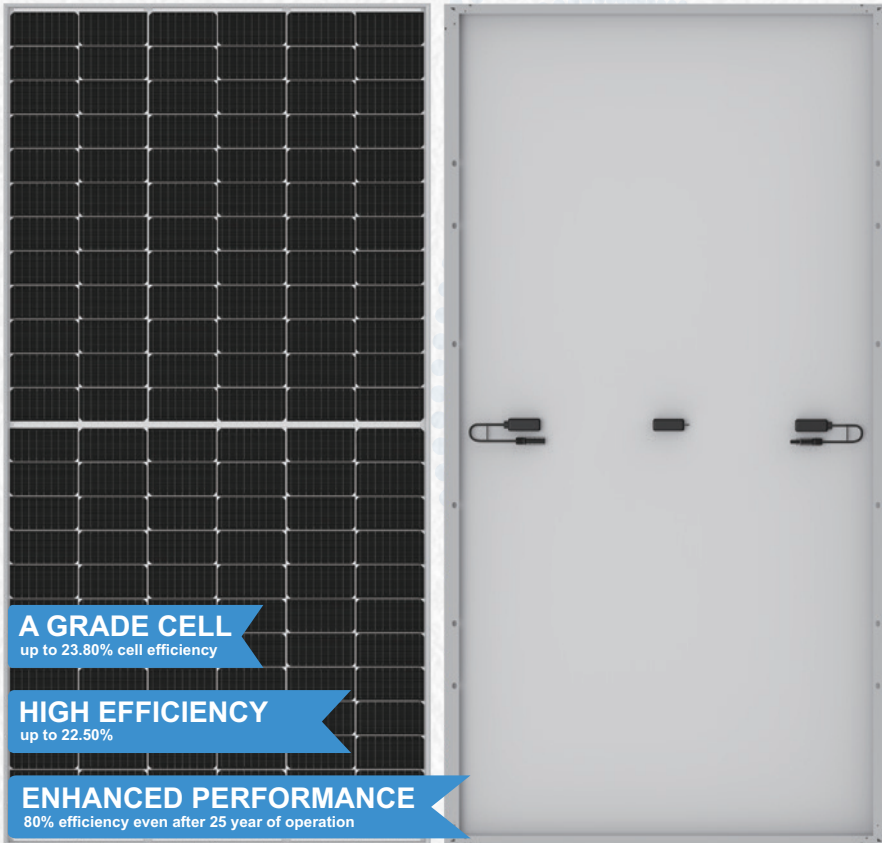


**525W-545W**  
Power Output Range

**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).



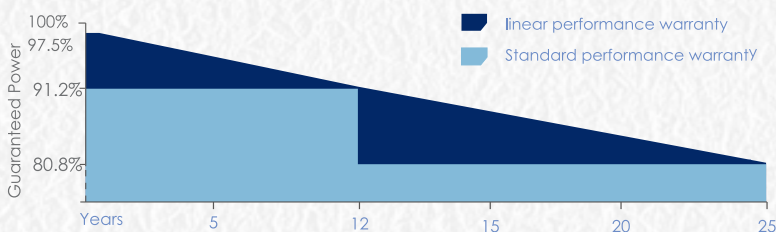
**Higher Quality Assurance**  
100% EL test.  
EL test, providing higher quality assurance



**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	SNS144CM525Wp-SNS144CM545Wp				
Maximum Power at STC (Pmax)	525W	530W	535W	540W	545W
Optimum Operating Voltage (Vmp)	41.20V	41.35V	41.50V	41.65V	41.80V
Optimum Operating Current (Imp)	12.74A	12.82A	12.90A	12.97A	13.04A
Open Circuit Voltage (Voc)	49.05V	49.20V	49.35V	49.50V	49.65V
Short Circuit Current (Isc)	13.64A	13.71A	13.78A	13.85A	13.92A
Module Efficiency	20.33%	20.52%	20.71%	20.90%	21.10%
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)	390W	393W	397W	400W	404W
Optimum Operating Voltage (Vmp)	38.94V	39.08V	39.22V	39.36V	39.50V
Optimum Operating Current (Imp)	9.98A	10.06A	10.13A	10.18A	10.24A
Open Circuit Voltage (Voc)	46.29V	46.44V	46.59V	46.73V	46.87V
Short Circuit Current (Isc)	10.70A	10.76A	10.82A	10.87A	10.93A

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

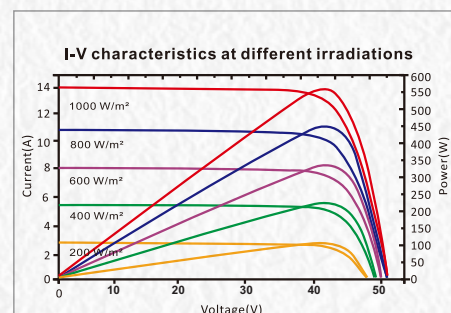
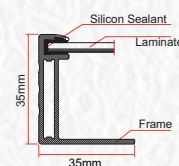
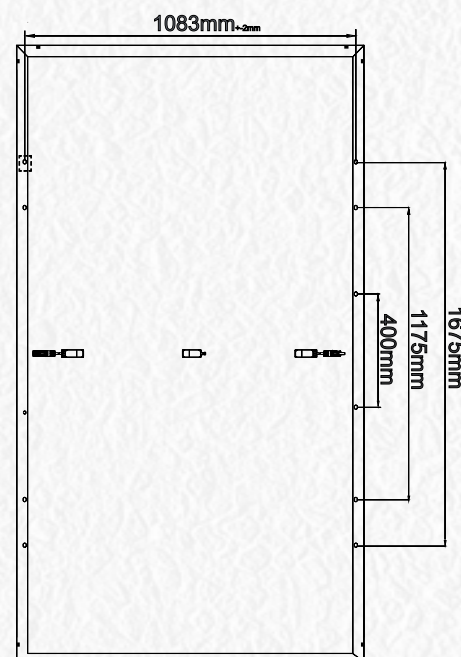
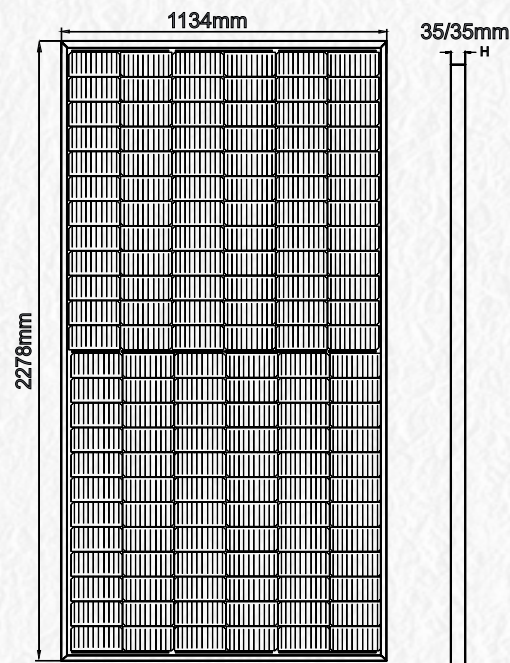
Solar Cell	91mmx182 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm
Weight	30.00 kgs
Front Glass	3.2 mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated
Output Cables	4.0 mm <sup>2</sup>
Connectors	Mc4

## 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.



# SENZA<sup>®</sup> SOLAR

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