

550-570W SNS144CM

SERIES 500

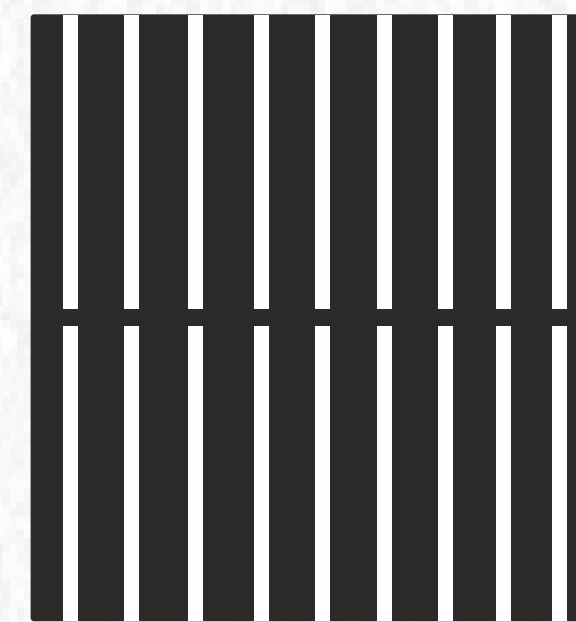
144 HALF-CUT MONO PERC MODULE

MBB MONO PERC CELL 182MM

Trust to Deliver Reliable Performance Over Time

- World-class crystalline silicon photovoltaic modules
- Rigorous quality control meeting the highest international standards: ISO 9001, ISO 14001 and ISO17025
- Regular independently checked production process from international accredited institute/company
- Tested for harsh environments (IEC 61730 1&2 , 61215 , 61701 , 62804
- Long-term reliability tests
- 100% EL inspection ensuring defect-free modules

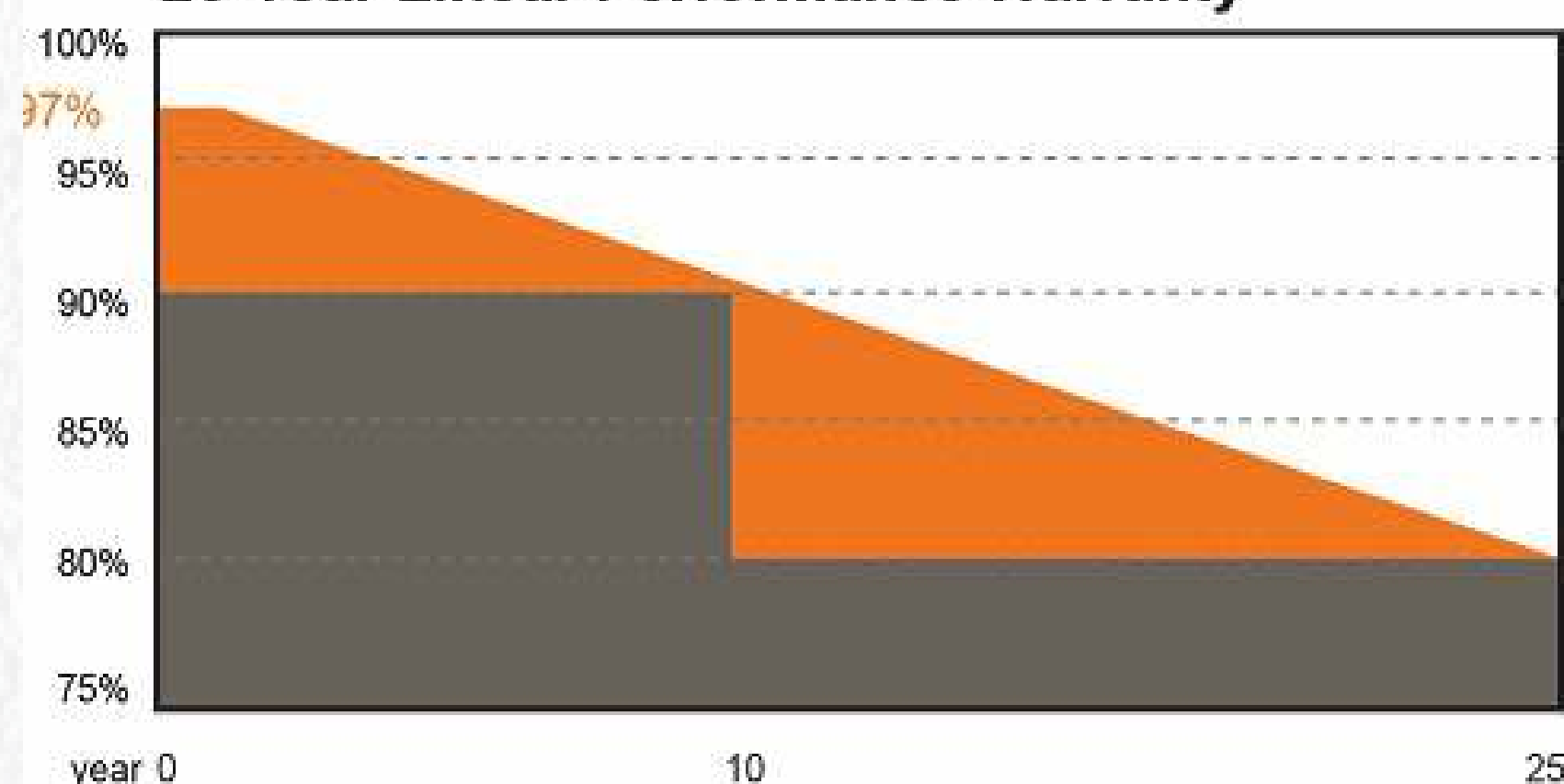
HD technology + Half-Cell



Half-cell with MBB design decreases internal resistance while boosts power output; narrowed inter-cell gap through flexible welding technology contributes to the module's compact dimension.

Industry-leading Warranty based on nominal power

25-Year Linear Performance Warranty



10
YEAR
Product
warranty

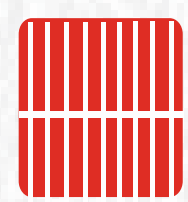
25
YEAR
linear
warranty

IP68 Rated Junction Box



The IP68 rated junction box ensures an outstanding waterproof level, supports installations in all orientations and reduces stress on the cables.

WHY 9ENERGY SOLAR?



Multi Busbar Solar Cell



PID Resistance



Higher Lifetime Power Yield:



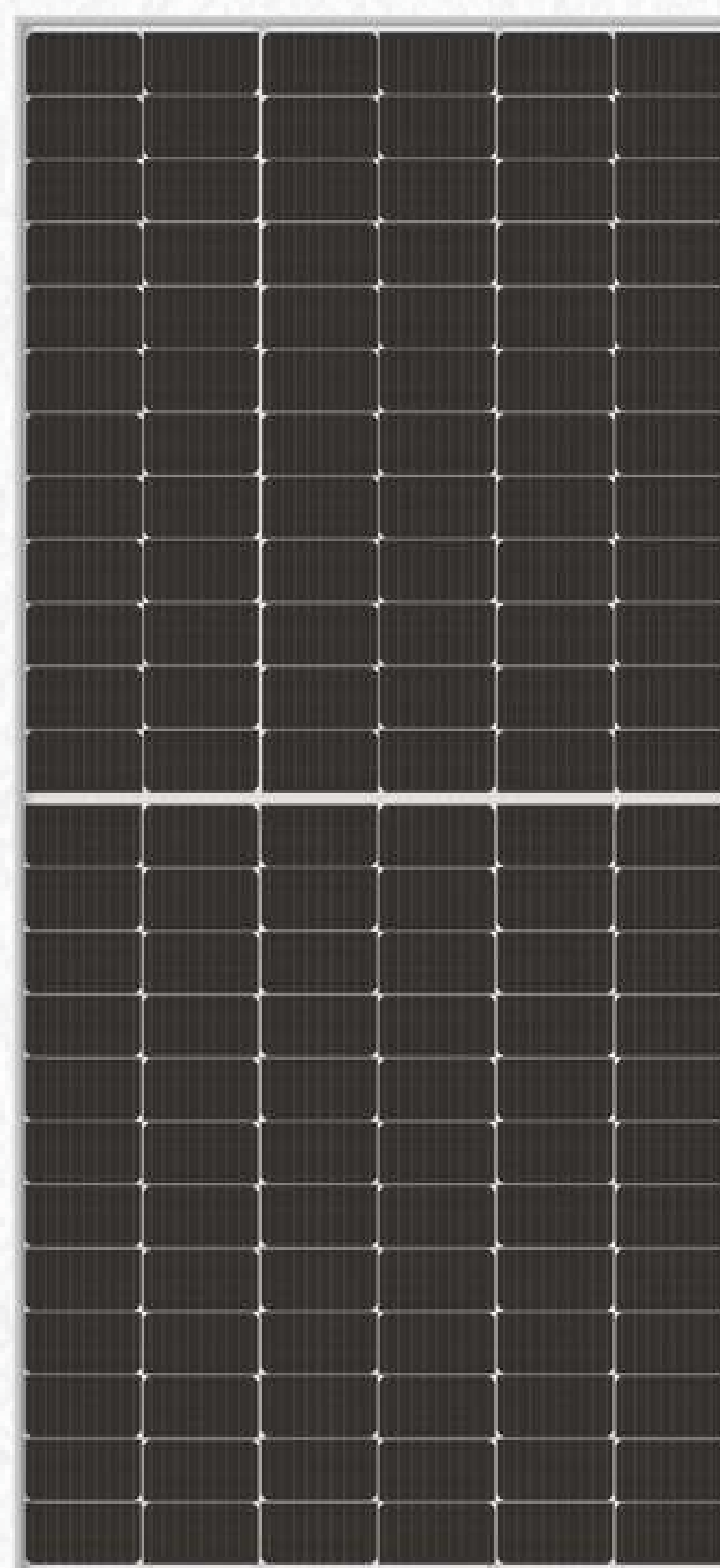
Light-weight design:



Higher power output:



Better low-light performance:



Electrical Characteristics

STC	SNS144CM570Wp-SNS144CM550Wp				
Maximum Power at STC (Pmax)	570W	565W	560W	555W	550W
Optimum Operating Voltage (Vmp)	42.72V	42.56V	42.40V	42.24V	42.05V
Optimum Operating Current (Imp)	13.34A	13.28A	13.21A	13.14A	13.08A
Open Circuit Voltage (Voc)	50.55V	50.39V	50.23V	50.07V	49.88V
Short Circuit Current (Isc)	14.36A	14.30A	14.24A	14.17A	14.11A
Module Efficiency	21.76%	21.57%	21.38%	21.19%	20.99%
Operating Module Temperature	-40 °C to +85 °C				
Maximum System Voltage	1500 V DC (IEC)				
Maximum Series Fuse Rating	30 A				
Power Tolerance	0/+5 W				

STC: Irradiance 1000 W/m² module temperature 25 °C, AM=1.5;
Tolerance of Pmax is within +/- 3% ;

NMOT					
Maximum Power at NMOT (Pmax)	434.8W	431.3W	427.3W	423.6W	419.8W
Optimum Operating Voltage (Vmp)	39.5V	39.3V	39.2V	39.0V	38.8V
Optimum Operating Current (Imp)	11.01A	10.96A	10.91A	10.85A	10.81A
Open Circuit Voltage (Voc)	47.8V	47.7V	47.5V	47.4V	47.2V
Short Circuit Current (Isc)	11.59A	11.54A	11.49A	11.43A	11.38A

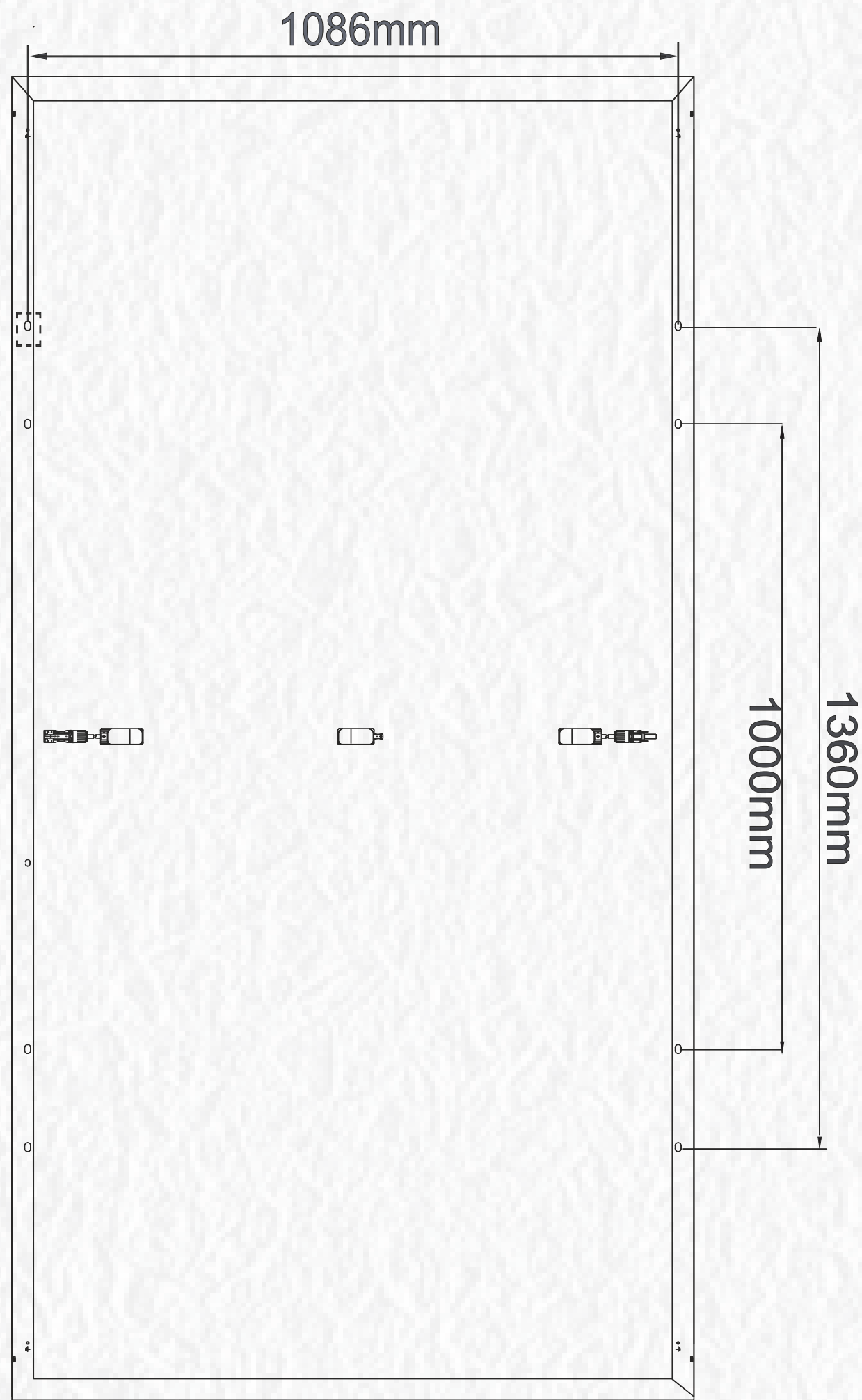
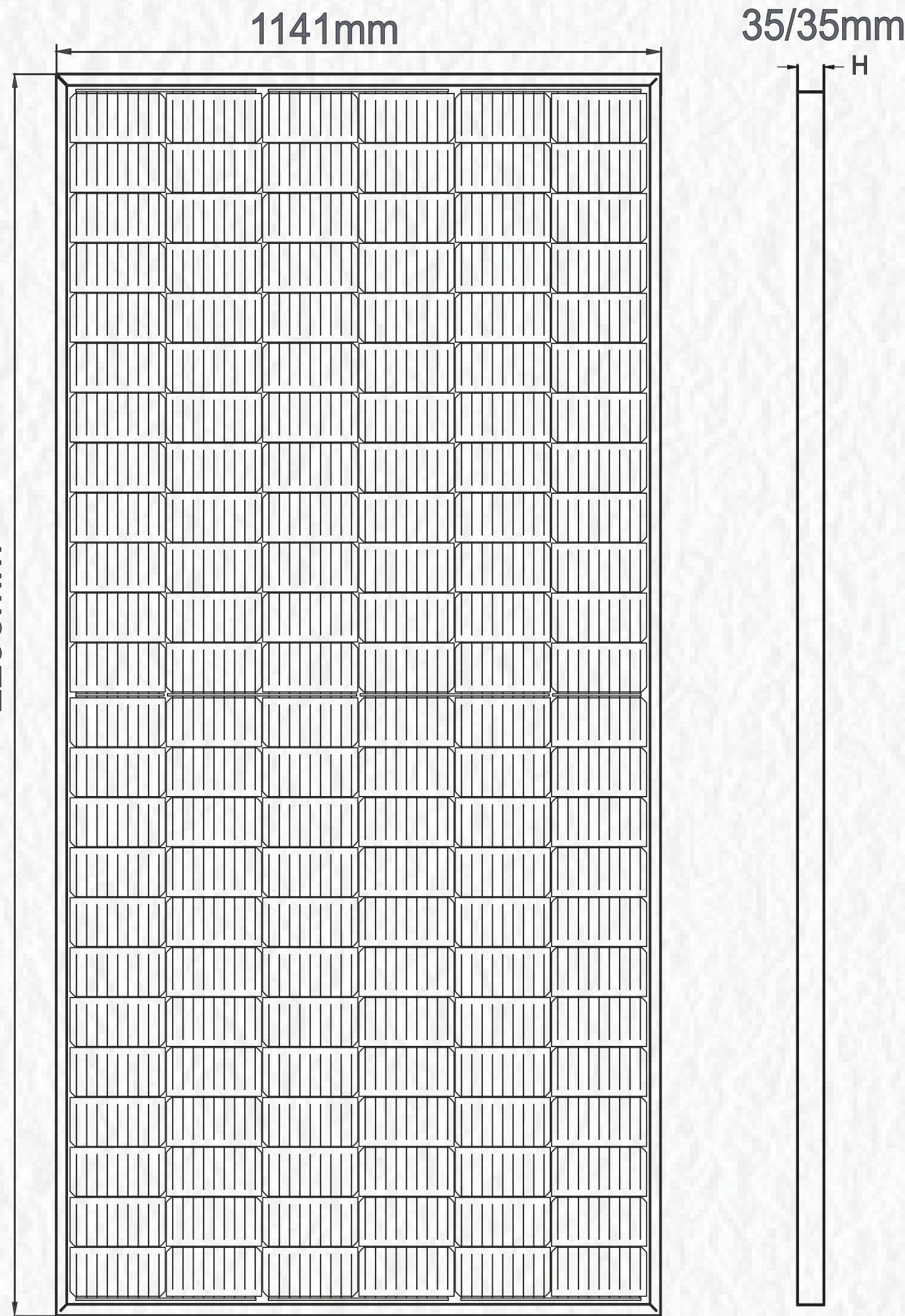
NMOT: Irradiance 800 W/m² ambient temperature 20 °C, AM=1.5, wind speed 1 m/s.

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	144 (6 × 24)
Dimensions	2296 × 1141 × 35 mm
Weight	29.5 kgs
Front Glass	3.2 mm fully tempered glass
Frame	Anodized aluminium alloy
Junction Box	IP68 rated (3 bypass diodes)
Output Cables	4.0 mm ² ,
Connectors	Mc4



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 Delhi Jurisdiction

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