

# NOVEX Prime<sup>®</sup>

VSN-G2-60H  
490-510 WATT



## Dual Sided Power Generation

The dual-sided power generation gain is enhanced by exposing the backside to light, leading to a significant reduction in LCOE.



## Low Light Performance

Advanced glass and cell surface textured design ensure excellent performance in low-light environment.



## Anti PID

Minimizes degradation risks from PID phenomena through optimized cell production technology and stringent material control.



## AR Glass For Enhanced Power

Anti-reflective glass (AR Glass) allows more light to pass through the glass.

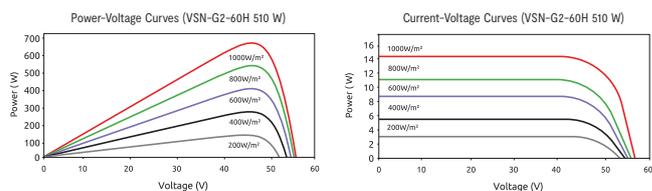
**12** YEAR  
Product  
Warranty

**30** YEAR  
Linear Power  
Warranty

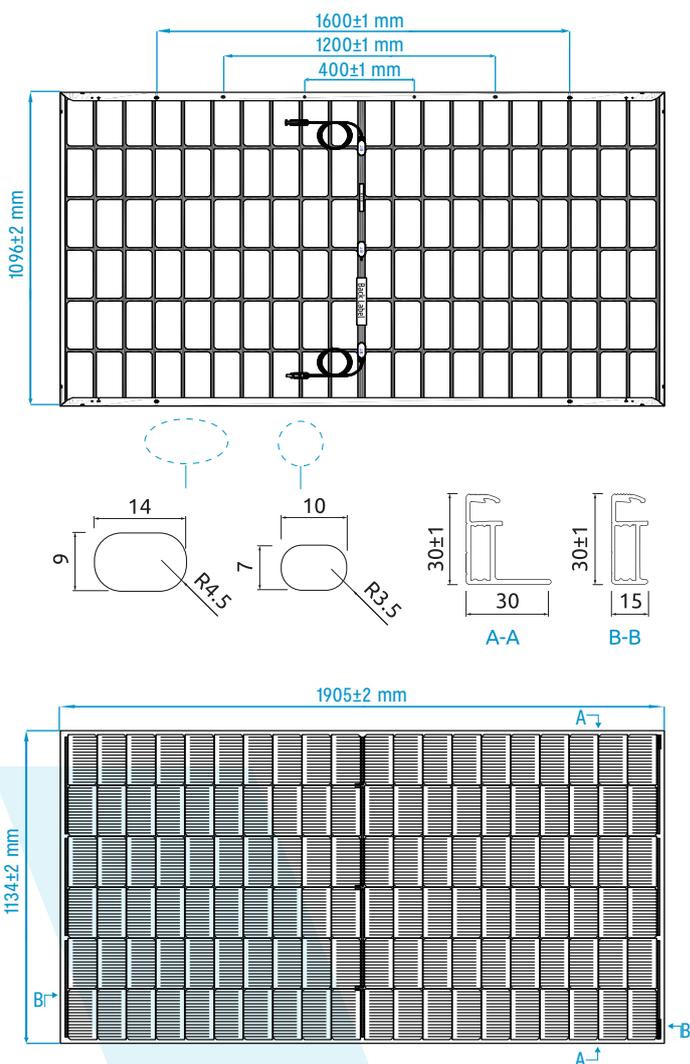
**1%**  
First-year  
Degradation

**0.4%**  
Annual Degradation  
Over 30 Years

## Electrical Performance



## Engineering Drawing



### Disclaimer:

Specifications included in the datasheet are subject to change without prior notice owing to continuous innovation in the Product Development and R&D Activities. Veda Solar Private Limited. reserves the right to make any adjustment to the information described here. Dataset contained in this specification do not form a representative of a single module data.

\*Terms and Conditions Apply.

## Mechanical Characteristics

Cell Type	N-type TOPCon
No. of cells	120 (60 * 2)
Dimensions	1905 x 1134 x 30
Weight	26.5 kg.
Front Glass	2.0 mm, Low Iron, Heat Strengthened, AR Coated
Back Glass	2.0 mm, Low Iron, Heat Strengthened Glass
Frame	T6 Anodized Aluminium Alloy
Junction Box	IP68 Rated
Protection class	Class II
IEC Fire Type	Class C
Output Cables	4.0 mm <sup>2</sup> (+): 400 mm, (-): 400 mm or Customized Length

## Specifications(STC)

Maximum Power - Pmax (WP)	490	495	500	505	510
Maximum Power Voltage - Vmp (V)	38.86	39.01	39.16	29.31	39.46
Maximum Power Current - Imp (A)	12.54	12.71	12.79	12.87	12.95
Open-circuit Voltage - Voc (V)	45.71	45.88	46.05	46.22	46.39
Short-circuit Current - Isc (A)	13.30	13.38	13.46	13.54	13.62
Module Efficiency STC (%)	22.65	22.88	23.11	23.33	23.57
Power Tolerance	0 ~ + 3%				
Temperature Coefficients of Pmax	-0.28%/°C				
Temperature Coefficients of Voc	-0.24%/°C				
Temperature Coefficients of Isc	0.046%/°C				

STC: Irradiance 1000W/m2, Cell Temperature 25 deg \* C AM = 1.5

## Specifications(NOCT)

Maximum Power - Pmax (WP)	466.2	470.0	473.8	477.5	481.3
Maximum Power Voltage - Vmp (V)	44.24	44.43	44.62	44.76	44.90
Maximum Power Current - Imp (A)	10.54	10.58	10.62	10.67	10.72
Open-circuit Voltage - Voc (V)	53.77	53.96	54.15	54.34	54.53
Short-circuit Current - Isc (A)	11.06	11.09	11.13	11.16	11.19

NOCT: Irradiance 800W/m2, Cell Temperature 20 deg \* C AM = 1.5 Wind speed 1m/s

## Application Conditions

Operating Temperature	-40 °C~+85 °C
Maximum System Voltage	1500 VDC (IEC)
Maximum Series Fuse Rating	30 A
Nominal Operating Cell	45±2 °C
Refer, Bifacial Factor	80±5%

## Packaging Configuration

Packaging Detail	36 pcs/pallets, 72 pcs/stack
(Two Pallets One Stack)	576 pcs/40'HQ Container

## Veda Solar Private Limited

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