

NOVEX Prime[®]

VSN-G2-72H
560-610 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.

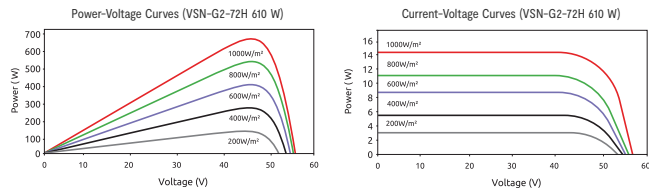
12 YEAR
Product
Warranty

30 YEAR
Linear Power
Warranty

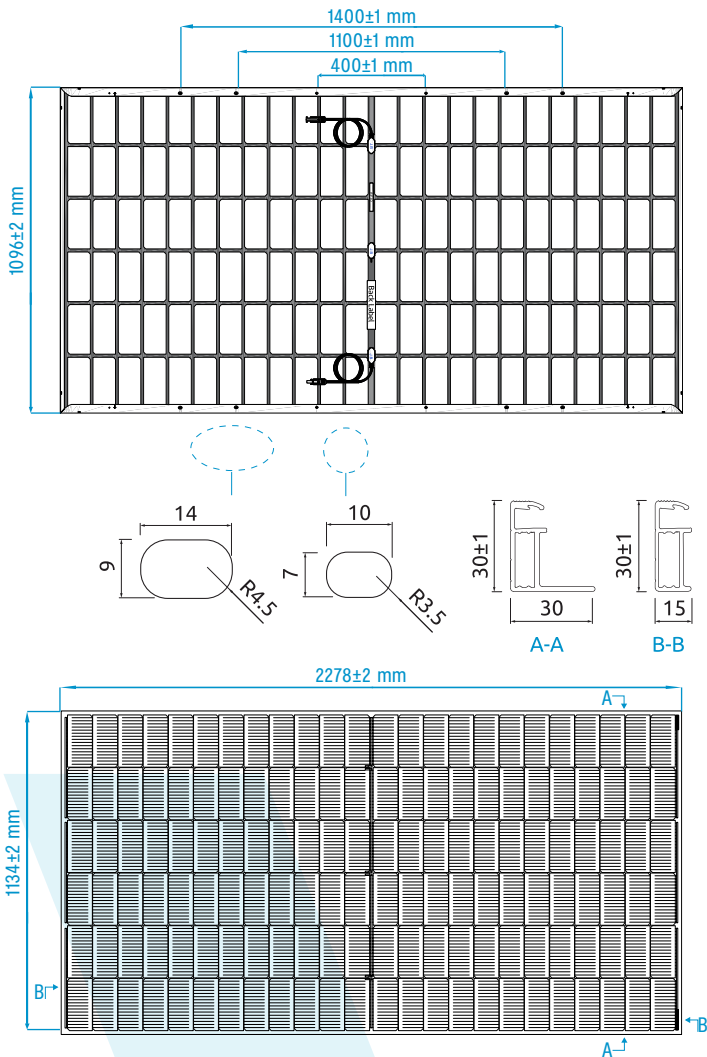
1%
First-year
Degradation

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	144 (72 * 2)
Dimensions	2278 x 1134 x 30
Weight	32 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 ² (+): 400 mm, (-): 400 mm or Customized Length

Specifications(STC)

Maximum Power - Pmax (WP)	560	570	580	590	600	610
Maximum Power Voltage - Vmp (V)	43.28	43.58	43.88	44.17	44.47	44.77
Maximum Power Current - Imp (A)	12.94	13.08	13.22	13.36	13.50	13.64
Open-circuit Voltage - Voc (V)	51.70	52.10	52.50	52.90	53.30	53.70
Short-circuit Current - Isc (A)	13.91	13.83	13.95	14.07	14.19	14.31
Module Efficiency STC (%)	21.69	22.07	22.45	22.84	23.22	23.60
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

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