



VOLTX N-type VXNH540-560N-72-B8 540-560 Watt

MONO-FACIAL MODULE SMBB Technology HOT 3.0 Technology

N-Type

Outstanding Visual Appearance

- Lower LCOE (Levelized Cost Of Energy), reduced BOS (Balance of System) cost, shorter payback time
- · Lowest guaranteed rst year and annual degradation
- · Designed for compatibility with existing mainstream system components

Durability Against Extreme Environment

· High salt mist and ammonia resistance.

SMBB Technology

• Better light trapping and current collection to improvemodule power output andreliability.

Anti-PID Guarantee

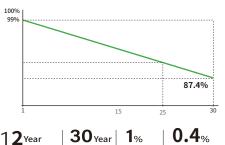
· Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

Ultra-lowDegradation, longer warranty, higher output

- First-year degradation 1% and annual degradation at 0.4%
- · Up to 12 years product warranty and 30 years power warranty
- Lower temperature coefficient (-0.29 %/) and operating temperature

Universal solution for residentialandC&I rooftops

- · Easy for integration, designed for compatibility with existing mainstream inverters and diverse mounting systems
- · Perfect size and low weight for handling and installation
- Most valuable solution on low load capacity rooftops (weight similar to backsheet version)
- Mechanical performance up to 5400 Pa positive load and 4000 Pa negative load



oduct Warranty

Linear Power Warranty

- IEC61215 (2016) / IEC61730 (2016)
- · IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



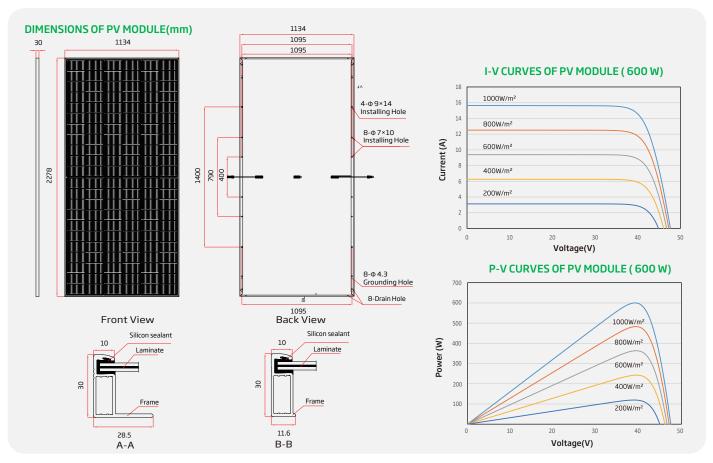






POSITIVE QUALITY

VXNH540-560N-72-B8



ELECTRICAL DATA (STC)

Peak Power Watts-PMAX (Wp)*	540	545	550	555	560
Power Tolerance-PMAX (W)	0~+5				
Maximum Power Voltage-V _{MPP} (V)	40.70	40.80	40.90	40.99	41.09
Maximum Power Current-IMPP (A)	13.27	13.36	13.45	13.54	13.63
Open Circuit Voltage-Voc (V)	49.42	49.52	49.62	49.72	49.82
Short Circuit Current-Isc (A)	13.85	13.94	14.03	14.12	14.21
Module Efficiency ₁ m (%)	20.90	21.10	21.29	21.48	21.68

 $STC: Irr diance 1000W/m2, Cell Temperature 25 ^{\circ}C, Air Mass AM=1.5. \ \ ^{\star}Measuring \ tolerance: \pm 3\%.$

Specifications (NOCT)

Maximum Power-PMAX (Wp)	402	405	409	413	417
Maximum Power Voltage-VMPP (V)	38.08	38.25	38.42	38.59	38.69
Maximum Power Current-IMPP (A)	10.55	10.60	10.65	10.70	10.77
Open Circuit Voltage-Voc (V)	46.65	46.74	46.84	46.93	47.02
Short Circuit Current-Isc (A)	11.19	11.26	11.33	11.40	11.48

NOCT: Irradiance 800W/m², Ambient Temperature 2 0°C, AM=1.5, Wind Speed 1m/s

MECHANICAL DATA

Solar Cells	Monocrystalline
No. of cells	144 cells
Module Dimensions	2278×1134×30 mm (89.69×44.65×1.18 inches)
Weight	27.0kg (59.52 lb)
Front Glass	3.2mm,Anti-Reflection Coating, High Transmission
Encapsulant material	GLASS POE/EVA
Back Glass	None
Frame	30mm (1.18 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²),
	Portrait: 350/280 mm(13.78/11.02 inches)
	Length can be customized
Connector	MC4 EV02 / TS4 PLUS / TS4*

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of PMAX	-0.29%/℃
Temperature Coefficient of Voc	- 0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

WARRANTY

12year Product Workmanship Warranty
30 year Power Warranty
1% first year degradation
0.4% Annual Power Attenuation

(Please refer to product warranty for details)

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	25A

PACKAGING CONFIGURATION

Modules per box: 36 pieces

Modules per 40' container: 720pieces

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NOTE: Please read the safety and installation manual before using the product. We reserve the right of final interpretation. The specifications in this datasheet are subject to change without notice.