



VOLTX N-type VXNH570-590-72-B8 570-590 Watt

BIFACIAL MODULE Dual Glass 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

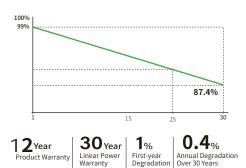
 Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

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 residential and C&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



- 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





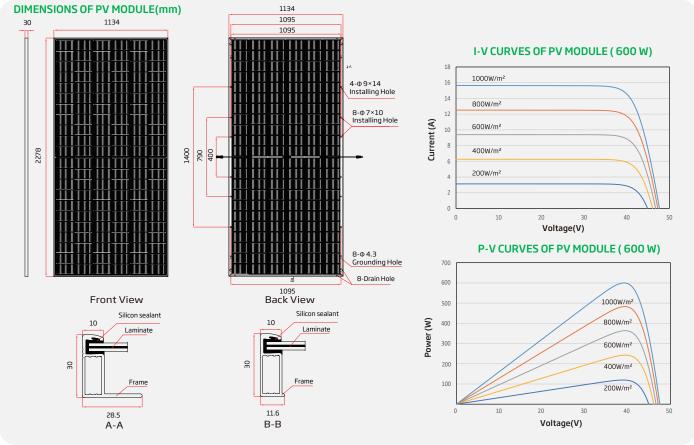








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		DAT		

Peak Power Watts-PMAX (Wp)*	570	575	580	585	590
Power Tolerance-PMAX (W)	0~+5				
Maximum Power Voltage-V _{MPP} (V)	43.58	43.73	43.88	44.02	44.17
Maximum Power Current-IMPP (A)	13.08	13.15	13.22	13.29	13.36
Open Circuit Voltage-Voc (V)	52.10	52.30	52.50	52.70	52.90
Short Circuit Current-Isc (A)	13.83	13.89	13.95	14.01	14.07
Module Efficiency n m (%)	22.07	22.26	22.45	22.65	22.84

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

Specifications (NOCT)

Maximum Power-PMAX (Wp)	430	433	437	441	445
Maximum Power Voltage-VMPP (V)	40.56	40.73	40.89	41.05	41.21
Maximum Power Current-IMPP (A)	10.59	10.64	10.69	10.74	10.79
Open Circuit Voltage-Voc (V)	49.49	49.68	49.87	50.06	50.25
Short Circuit Current-Isc (A)	11.16	11.21	11.26	11.31	11.36

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	31.0kg (68.34 lb)		
Front Glass	2.0 mm, Anti-Reflection Coating		
Encapsulant material	GLASS POE/EVA		
Back Glass	2.0 mm, Heat Strengthened Glass		
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*		

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

*Please refer to regional datasheet for specified connector

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

MAXIMUM RATINGS

WARRANTY

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

PACKAGING CONFIGURATION

Modules per box: 36 pieces

(Please refer to product warranty for details)

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Modules per 40' container: 720 pieces

