

VOLT X N-type VXNH675-700N-76-B8 675-700 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 first 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 improve module power output and reliability.

Anti-PID Guarantee

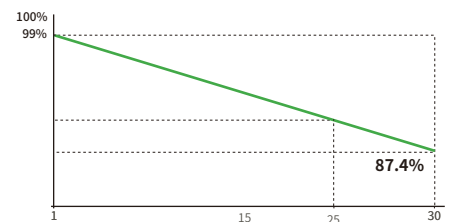
- Minimizes the chance of degradation caused by PID phenomena through optimization of cell production technology and material control.

Ultra-low Degradation, 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 %/°C) 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



12 Year Product Warranty	30 Year Linear Power Warranty	1% First-year Degradation	0.4% Annual Degradation Over 30 Years
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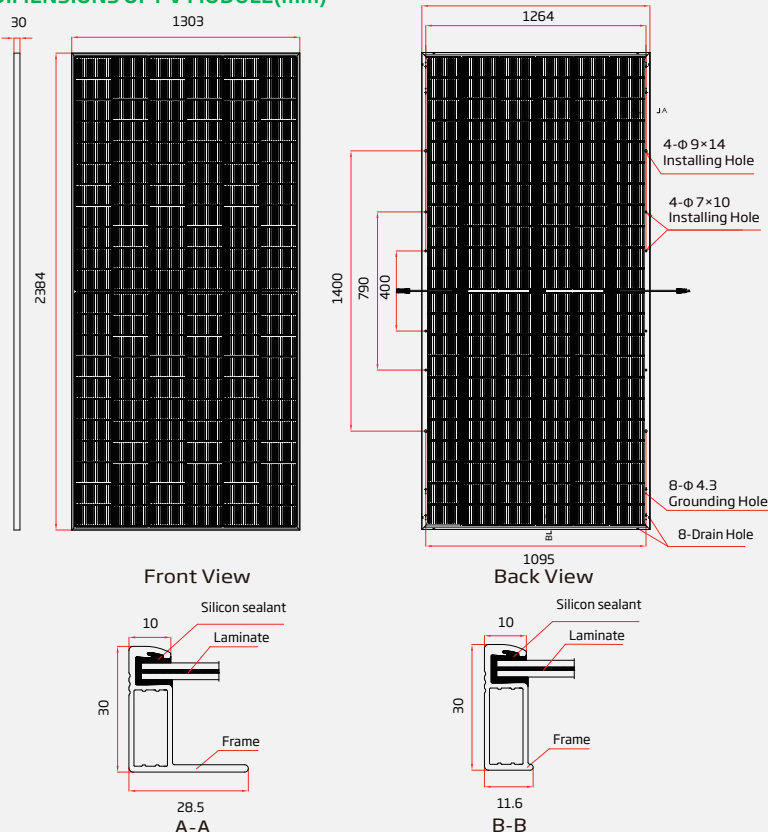
- IEC61215 (2016) / IEC61730 (2016)
- IEC61701 / IEC62716 / IEC60068 / IEC62804
- ISO9001:2015: Quality Management System
- ISO14001:2015: Environment Management System
- ISO45001:2018: Occupational health and safety management systems



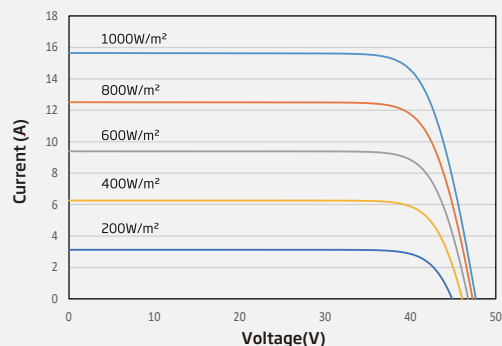
POSITIVE QUALITY™
Continuous Quality Assurance

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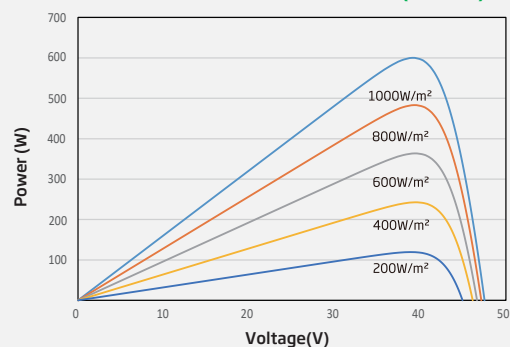
DIMENSIONS OF PV MODULE(mm)



I-V CURVES OF PV MODULE (600 W)



P-V CURVES OF PV MODULE (600 W)



ELECTRICAL DATA (STC)

Peak Power Watts-P _{MAX} (Wp)*	675	680	685	690	695	700
Power Tolerance-P _{MAX} (W)	0 ~ +5					
Maximum Power Voltage-V _{MPP} (V)	39.4	39.6	39.8	40.1	40.3	40.5
Maximum Power Current-I _{MPP} (A)	17.12	17.16	17.19	17.23	17.25	17.29
Open Circuit Voltage-V _{oc} (V)	47.2	47.4	47.7	47.9	48.3	48.6
Short Circuit Current-I _{sc} (A)	18.14	18.18	18.21	18.25	18.28	18.32
Module Efficiency η _m (%)	21.7	21.9	22.1	22.2	22.4	22.5

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM=1.5. *Measuring tolerance: ±3%.

Specifications (NOCT)

Maximum Power-P _{MAX} (Wp)	514	517	521	526	530	534
Maximum Power Voltage-V _{MPP} (V)	37.0	37.2	37.3	37.7	37.8	38.0
Maximum Power Current-I _{MPP} (A)	13.89	13.91	13.94	13.96	14.02	14.05
Open Circuit Voltage-V _{oc} (V)	44.7	44.9	45.2	45.4	45.8	46.0
Short Circuit Current-I _{sc} (A)	14.62	14.65	14.67	14.71	14.73	14.76

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM=1.5, Wind Speed 1m/s

MECHANICAL DATA

Solar Cells	Monocrystalline
No. of cells	132cells
Module Dimensions	2384×1303×33 mm (93.86×51.30×1.30 inches)
Weight	38.3 kg (84.4 lb)
Front Glass	2.0 mm (0.08 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant material	GLASS POE/EVA
Back Glass	2.0 mm (0.08 inches), Heat Strengthened Glass (White Grid Glass)
Frame	33mm (1.30 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), Portrait: 350/280 mm (13.78/11.02 inches) Length can be customized
Connector	MC4 EVO2 / 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 P _{MAX}	-0.29%/°C
Temperature Coefficient of V _{oc}	-0.24%/°C
Temperature Coefficient of I _{sc}	0.04%/°C

MAXIMUM RATINGS

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

WARRANTY

12year Product Workmanship c Warran
ty30 year Power Warranty
1% first year degradation
0.4% Annual Power Attenuation

PACKAGING CONFIGURATION

Modules per box: 33 pieces
Modules per 40' container: 594 pieces

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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.