Trinasolar

Vertex N PV Module
Introduction

210+N

Trinasolar

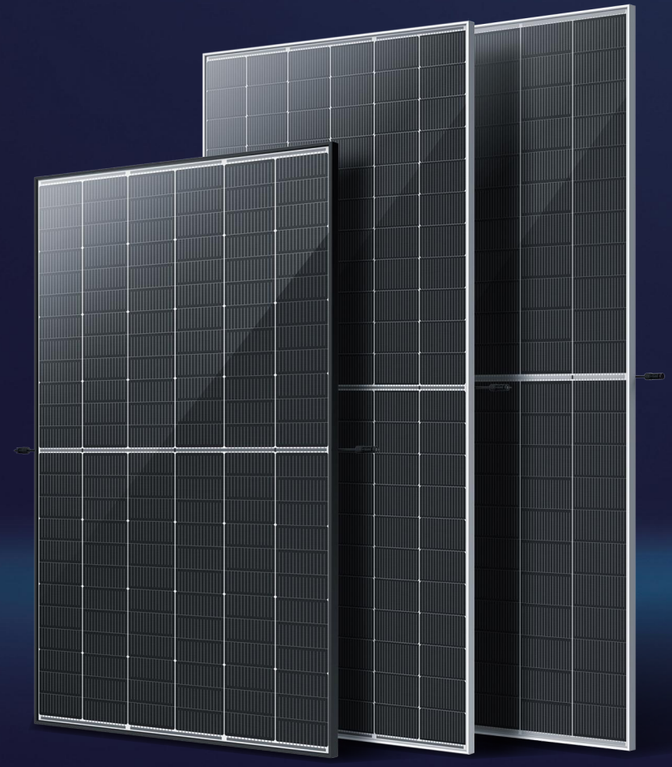
Power Beyond Solar

The World Leading PV and Smart Energy IoT Total Solution Provider

Trina Solar official website

Vertex Product information

For more information regrading Vertex module,
Please follow our social media accounts or scan the QR codes to visit us at our website.





Vertex N SERIES

n type i-TOPCon technology with advanced 210 innovation platform

01
Ultra low degradation, 1% degradation in the first year, annual degradation 0.4%

02
Dual glass with high reliability, avoid micro-cracking, 30-year power guarantee

03
Excellent bifaciality and power generation 3% higer than PERC

04
Lower LCOE (Levelized Cost of Energy) and fully meet the different needs of utility and non-utility customers

05
Excellent compatibility for tracking system

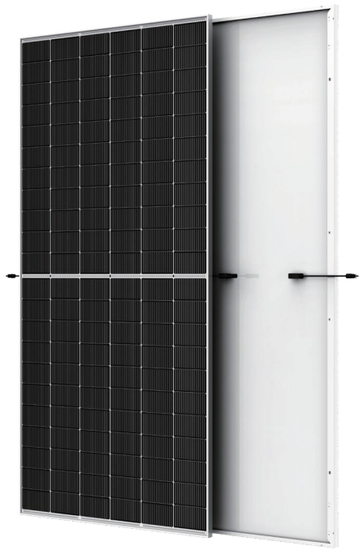
720W
Maximum power up to

23.2%
Efficiency up to

Golden Size Mono-facial module

625W

Mono-facial Mono Glass



Ultra-high Power Module for All Scenario

Higher power generation, Lower LCOE, Higher return on investment

High reliability, long warranty period

n **type i-TOPCon technology with advanced 210mm innovative platform**

Ultra low Degradation

Excellent Power Generation Performance

Vertex N

Electrical Data (STC)

Peak Power Watts-P_{MAX} (Wp)*	595	600	605	610	615	620	625
Power Tolerance-P_{MAX} (W)				0~+5			
Maximum Power Voltage-V_{MPP} (V)	40.0	40.3	40.5	40.8	41.1	41.4	41.6
Maximum Power Current-I_{MPP} (A)	14.89	14.91	14.94	14.96	14.98	14.99	15.00
Open Circuit Voltage-V_{OC} (V)	48.1	48.4	48.7	49.0	49.3	49.6	49.8
Short Circuit Current-I_{SC} (A)	15.76	15.80	15.83	15.86	15.89	15.91	15.93
Module Efficiency ηm (%)	22.0	22.2	22.4	22.6	22.8	23.0	23.1

STC: Irrdiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5. *Measuring tolerance: ±3%.

BOS Cost Reduction

Location: Melbourne, Australia

Inverter type: string inverter

Mounting type: fixed 1P

Module type: backsheet

Application: C&I rooftop, 1100V system



610W VS 580W

Item	Module type	210R-66N 610W	182-72N 580W
Module	Module power	610W	580W
	Module size (mm)	2382*1134	2278*1134
Mounting	Installation	fixed 1P@37°	fixed 1P@37°
	Pitch	N-S 3.95m	N-S 3.78m
Inverter	Inverter type	GW110K-HT	GW110K-HT
Layout	Module per string	19	17
	String power	11590W	9860W
	String per table	1	1
	Table length (m)	21.9	19.6
	String number	87	102
	Module number	1653	1734
BOS Comparison	Total BOS (USD/W)	0.1339	0.1429
	BOS saving (USD/W)	-0.0091	Baseline
	BOS saving (%)	6%	Baseline