Trinasolar

Vertex N PV Module
Introduction

210+N

Trinasolar

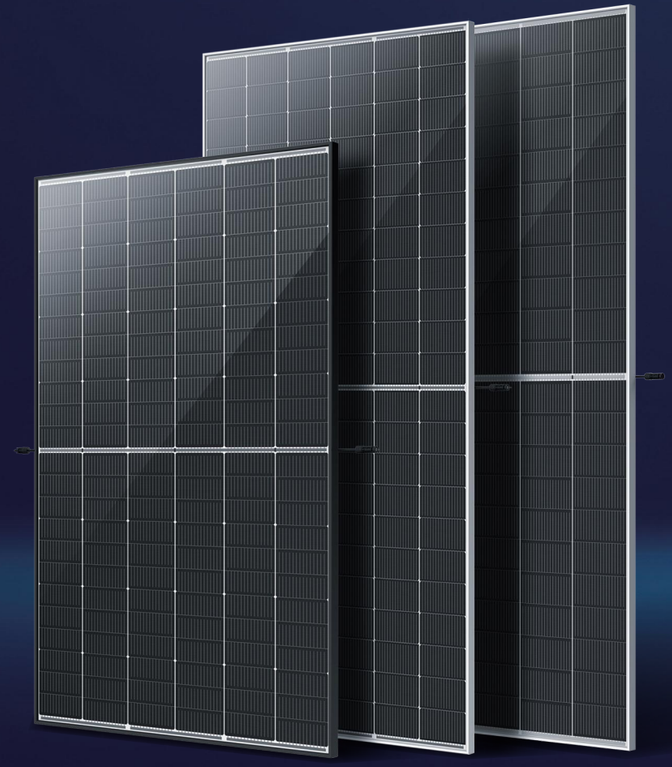
Power Beyond Solar

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

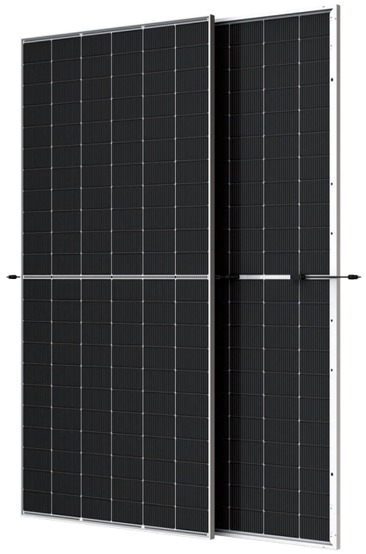
720W
Maximum power up to

23.2%
Efficiency up to

Excellent balance of compatibility and value

625W

Bifacial Dual 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 Bifacial Power Generation Performance

Vertex N

Electrical Data (STC)

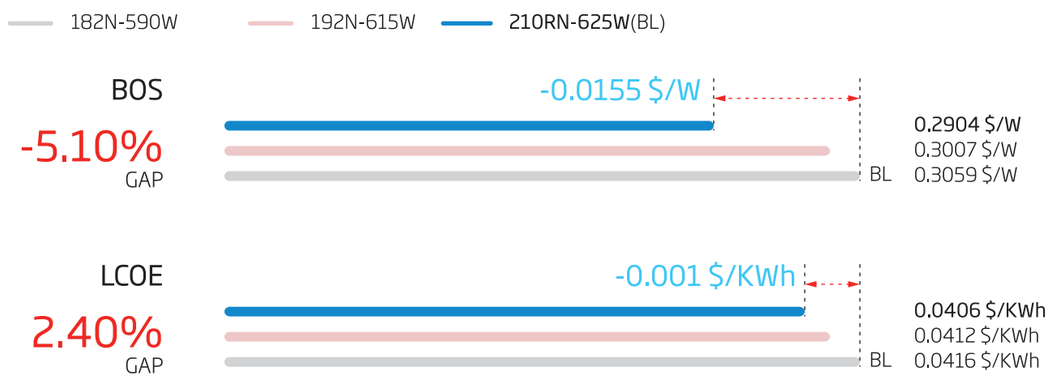
Peak Power Watts-P_{MAX} (Wp)*	590	595	600	605	610	615	620
Power Tolerance-P_{MAX} (W)				0~+5			
Maximum Power Voltage-V_{MPP} (V)	39.7	40.0	40.3	40.5	40.8	41.1	41.4
Maximum Power Current-I_{MPP} (A)	14.86	14.89	14.91	14.94	14.96	14.98	14.99
Open Circuit Voltage-V_{OC} (V)	47.8	48.1	48.4	48.7	49.0	49.3	49.6
Short Circuit Current-I_{SC} (A)	15.72	15.76	15.80	15.83	15.86	15.89	15.91
Module Efficiency ηm (%)	21.8	22.0	22.2	22.4	22.6	22.8	23.0

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

BOS & LCOE Comparison

Location: State of Texas, America

Module type	182N-72p-590W	192RN-72p-615W	**210RN-66p-625W**
BOS ($/W)	0.3059	0.3007	0.2904
BOS GAP	0.0155	0.0103	BL
LCOE($/KWh)	0.0416	0.0412	0.0406
LCOE GAP	0.001	0.0006	BL

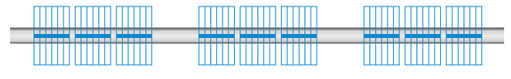


Excellent Compatibility for Tracking System



210RN-625W

1 tracker is connected with 3 strings (3 * 29), 18,125W/string and 54,375W/tracker.The length of the tracker is about 101 meters

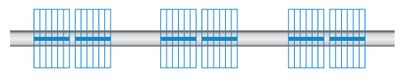


The string power is increased by 14.1%



182N-590W

1 tracker is connected with 3 strings (3 * 27), 15,930W/string and 47,790W/tracker.The length of the tracker is about 94 meters



Baseline

Power comparison between Vertex N modules and typical 182*n* type modules