

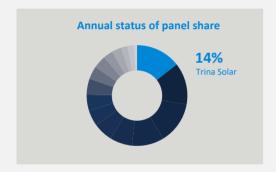


March 2022



Trustworthy Brand in Australia

Trina Solar Australia



Australia market leader

No.1 brand of solar module in 2021 with 14% market share



Local office, local team Since 2009

Local warehouses – in Sydney and Brisbane 1300 number – 1300 874 627

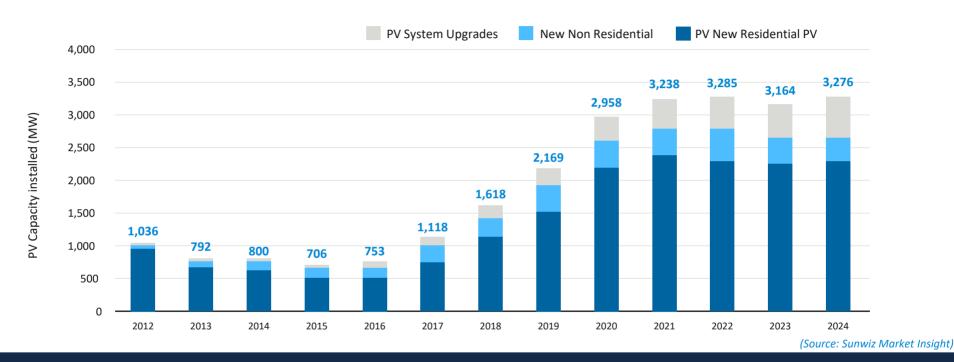


Widely recognized

Cumulative >3GW+ shipment to Australia with numerous iconic projects



PV Capacity Installation Outlook



New Residential dominates the distribution market





Crucial Non-utility PV System Requirements







LONGER WARRANTY

25 years **Product** Warranty

30 years Power Warranty

HIGHER POWER

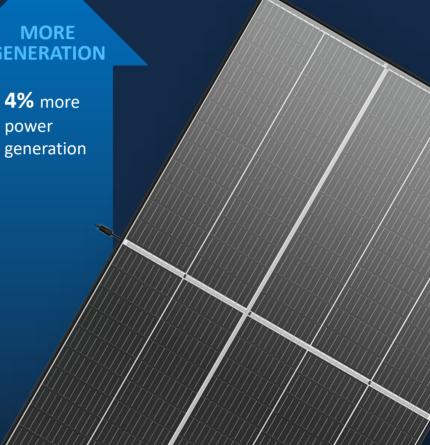
Up to 425W

MORE RELIABLE

Anti crack and high fire class



power generation



425W module: ✓ertex S⁻

Maximum Power Output

Up to 425W

Maximum Module Efficiency

Up to **21.9%**

High Power Output

Electrical Parameter

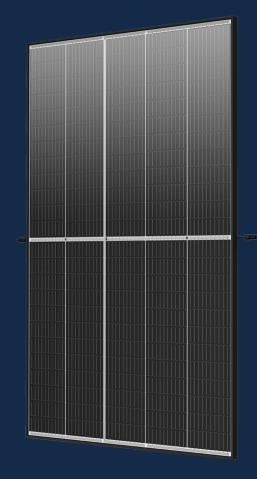
• Open Circuit Voltage: 43.1V

• Short Circuit Current: 12.33A

Mechanical Parameter

• Dimensions: 1770*1096*30mm

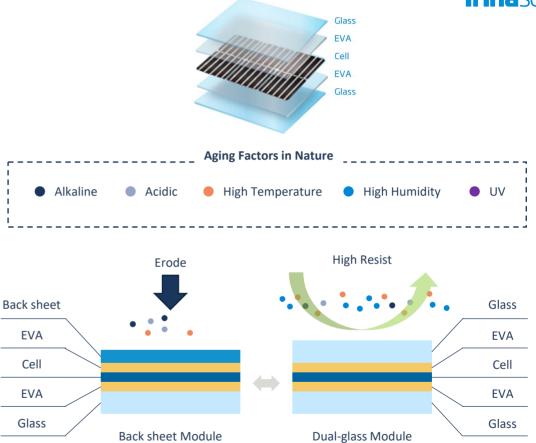
• Weight: 21.5kg



Longer warranty







Low Working Temperature HIGHER POWER GENERATION

- Module power is also impacted by temperature when increased, Taken 420W as an example, Vertex S+ with 10-18W higher than PERC module under the same working temperature.
- Reliable and remarkable product for the higher temperature working environment.

Module Working Temperature

Vertex S+

Power Output

-0.30%/°C

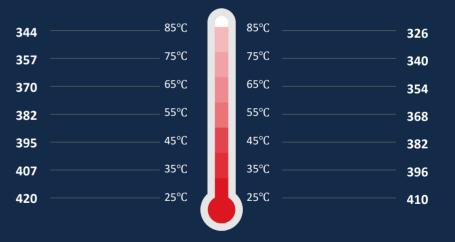
Temp Coefficient

Mainstream

Power Output

-0.34%/°C

Temp Coefficient



0.04% temp coefficient advantage increase ~1% power generation

Ultra-Low Degradation

Extra power gain during the module life cycle

30Yr

Power Warranty

25Yr

Product Warranty

1%

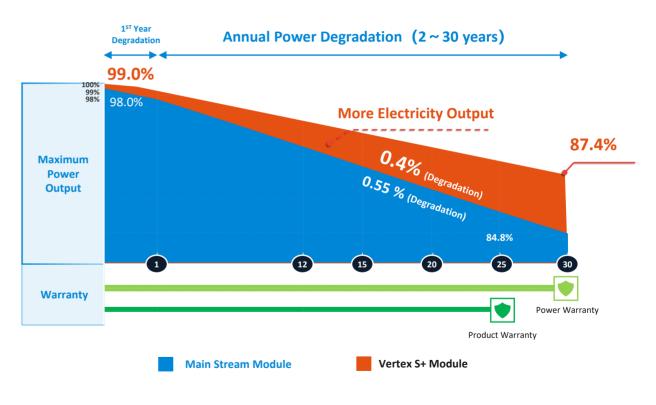
1st Year Degradation

0.4%

Annual Power Attenuation



Lower degradation, higher generation!



~3% more power generation over 30 years

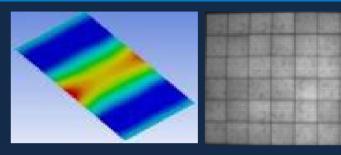
Reliable-Dual glass module Design

1 Anti Crack

2 Higher Safety

3 High Reliability

Micro-crack free



Fire Class A + C





Reliable Module for all climates and coastal installations Ensure power output stability



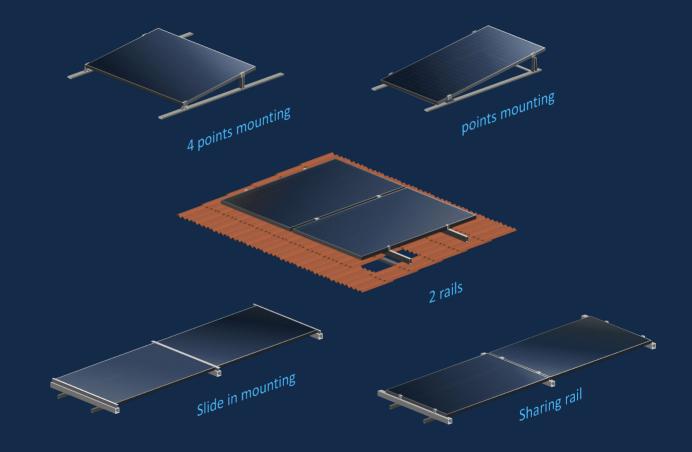


Applicable for Residential and Small C&I Rooftops

Compatible with diverse installation methods







Main stream Inverter / Optimizer Compatibility

Pmax	415W
Isc	12.27A
Voc	42.7V



















Inverter Compatibility

Pmax	415W	
Isc	12.27A	
Voc	42.7V	



Inverter Brand	Size	NEG9.28 415W
SMA	5/6 KW	Three phase: √ Single Phase: √
Franius	4/4.5 KW	Three phase: √ Single Phase: √
SUNGROW Clean power for all	5/6 KW	Three phase: √ Single Phase: √
GROWATT 古瑞瓦特	5/6 KW	Three phase: √ Single Phase: √
GOODHE TOUR ROLAN ENGINE	5/6 KW	Three phase: √ Single Phase: √

and many more inverter brands...

Key Feature of ✓ertex S⁺



Best power Low degradation Longer warranty

Compared to 410W module ,Vertex S+ has higher power and longer warranty



	NEG9.28	Other Module
Power Bin	415	410
Module Efficiency(%)	21.4	21.0
Maximum Power Current-IMPP (A)	11.52	13.39
Short Circuit Current-ISC (A)	12.27	13.92
Maximum Power Voltage-VMP (V)	36.0	30.6
Open Circuit Voltage-VoC (V)	42.7	37.1
Dimension	1770×1096×30 mm	1718×1134×30mm
Weight	21.5kg	22kg
LID	1%	2%
yearly degradation	0.40%	0.55%
Warranty Product	25 years	15 years
Warranty Power	30 years	25 years





Product



System size

415W x 16 pcs = 6.64kW







Location	Perth	
Irradiance hours	1940 hr / yr	
Calculation Period	30 years	
Additional Power Generation over 30years	4%	
Operation mode	100% self consumption	

^{*}Case study comparison 6.64KW vs 6.56KW system for illustration purposes only







Potential savings of ~900 AUD!



Trina Vertex Family Leading Technology that Exceeds Expectations

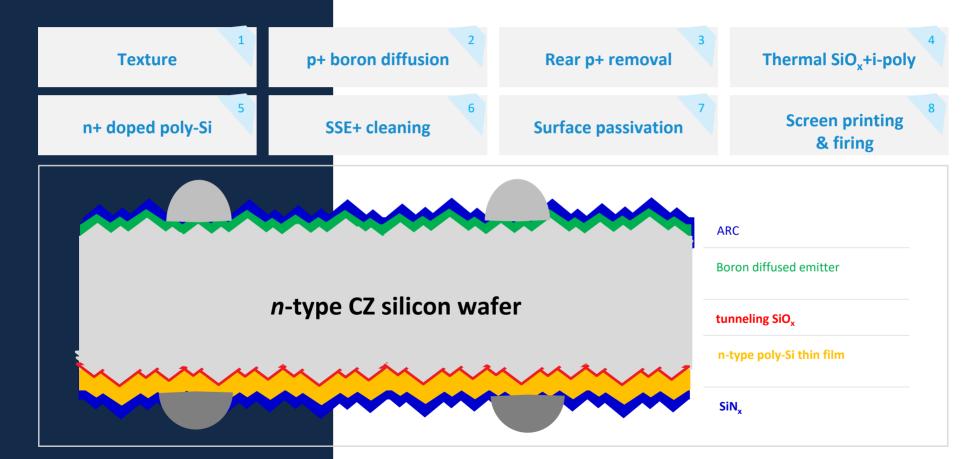
Vertex series can be applied to various scenarios: residential, industrial & commercial rooftops, agricultural complementary PV projects ,fishing complementary PV projects and large utility, etc.



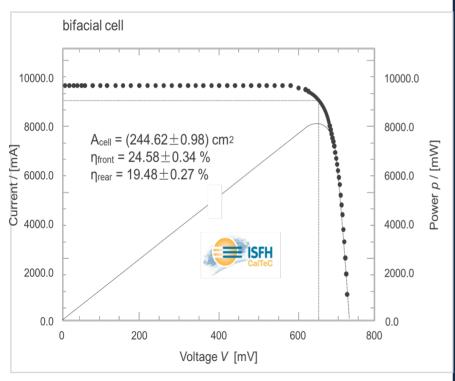


Trina Solar N Type PACO Solar cell





Historical Efficiency of PACO Solar Cell Efficiency in Trina solar



Lab development started in 2015

First patent in Aug 2015

2018: Front side efficiency 23.07% (JET certificated)

2019: Front side efficiency 24.58% (ISFH CalTeC certificated)

2021:210mm size cell front side efficiency 24.54% (home measured)