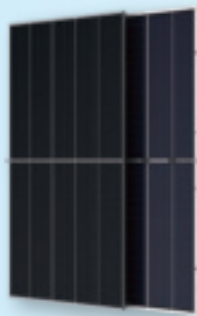


# Vertex Platform-Vertex Family

FUTURE IS FROM NOW ON

Vertex



UP to 500W

Vertex



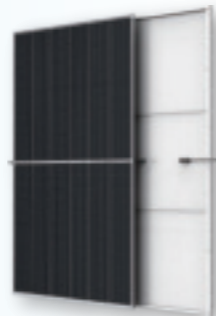
UP to 550W

Vertex



UP to 600W

Vertex



UP to 660W

Vertex S



UP to 405W

### Electrical data (STC)

Vertex 405W Bifacial	380	385	390	395	400	405
V <sub>OC</sub> (V)	40.4	40.6	40.8	41.0	41.2	41.4
I <sub>SC</sub> (A)	12.00	12.07	12.14	12.21	12.28	12.34
V <sub>MPP</sub> (V)	33.4	33.6	33.8	34.0	34.2	34.4
I <sub>MPP</sub> (A)	11.38	11.46	11.54	11.62	11.70	11.77
Module dimension	1754x1096x30mm					



## Vertex S

**400W+ Ultra-high Power**  
Small in size, Big on power

# SMALL IN SIZE, BIG ON POWER

## ULTRA-HIGH POWER MODULE ESPECIALLY FOR NON-UTILITY SEGMENT

Trina Solar Vertex S series modules, with a module conversion efficiency over 21%, generate over 400Ws power output. Incorporating 210mm cells, the new Vertex S series modules are designed for residential, commercial and industrial projects and come in three versions - white laminate, silver/black frame ones and full-black aesthetic modules.

**Vertex S**



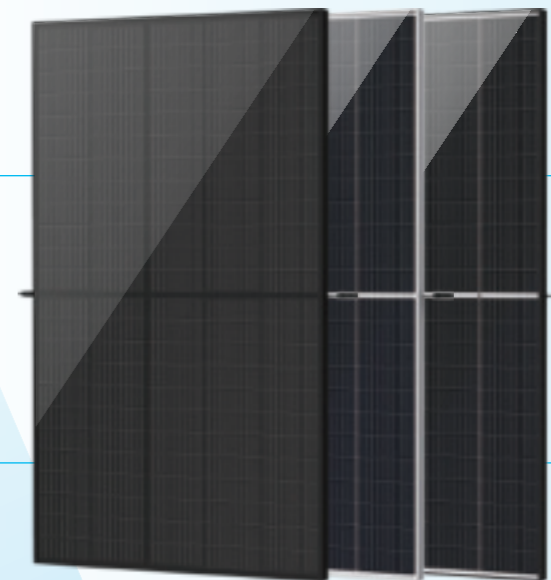
## HIGH POWER AND EFFICIENCY WITH 5\*8 LAYOUT

Max. Power  
**405W**

Max. Eff.  
**21.1%+**

Weight  
**21kg**

Size  
**1754\*1096**



- ✓ Temp coeff.: -0.34%/°C
- ✓ 1st year degradation: 2%
- ✓ Annual degradation: 0.55%
- ✓ Product Workmanship Warranty: 15 years (extendable to 20 or 25years)
- ✓ Power Warranty: 25 years
- ✓ 210mm cell
- ✓ Multi-busbar
- ✓ Non-destructive cutting
- ✓ High-density interconnection
- ✓ 5\*8 layout
- ✓ 1/3-cut

# TECHNOLOGY

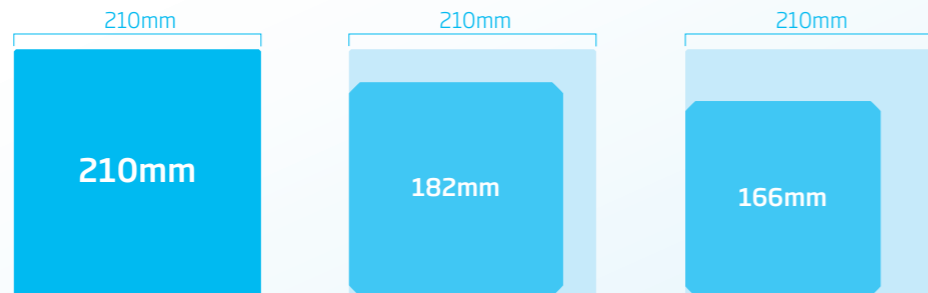
## CUTTING-EDGE TECHNOLOGIES BRING HIGHER POWER AND EFFICIENCY

Vertex S is Trina solar's latest PV module product for fast growing non-utility customers which carries cutting-edge Vertex Platform technology. Based on Trina Solar's superior multi-busbar technology, the Vertex S modules incorporates an innovative design that integrates 1/3 split cell, non-destructive cutting and high-density interconnect technologies. Due to dedicate design for residential and C&I applications, the new Vertex S series unlocks huge potential for further reducing balance-of-system costs.



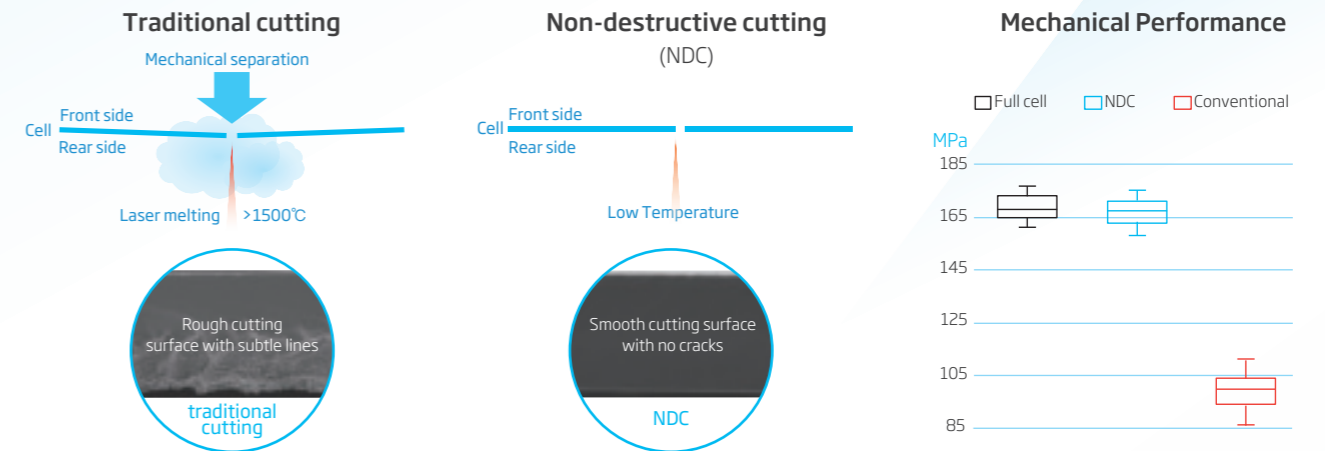
### 210mm silicon wafer brings the highest power output

The 400W+ Vertexs module employs cells based on 210mm silicon wafers, which is the largest possible wafer size provided by the semiconductor industry and brings the highest power output.



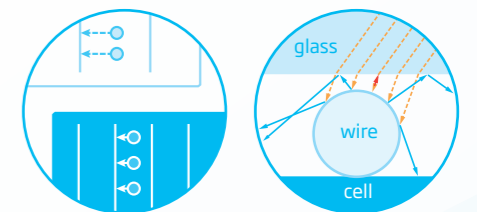
### NDC technology brings best cell performance at chip level

Non-destructive cutting technology is adopted to achieve the best cell bending strength and section appearance, resulting in the best performance for the minimum cell unit.



### MBB technology leads to 0.4%-0.6% increase on module efficiency

Multi-busbar, with the capability to increase light absorption, perfectly matches the large-area cell. Technology intergration enables the Vertex series modules to achieve higher power and power generation capacity per watt.



### High density interconnection technology optimizes module efficiency

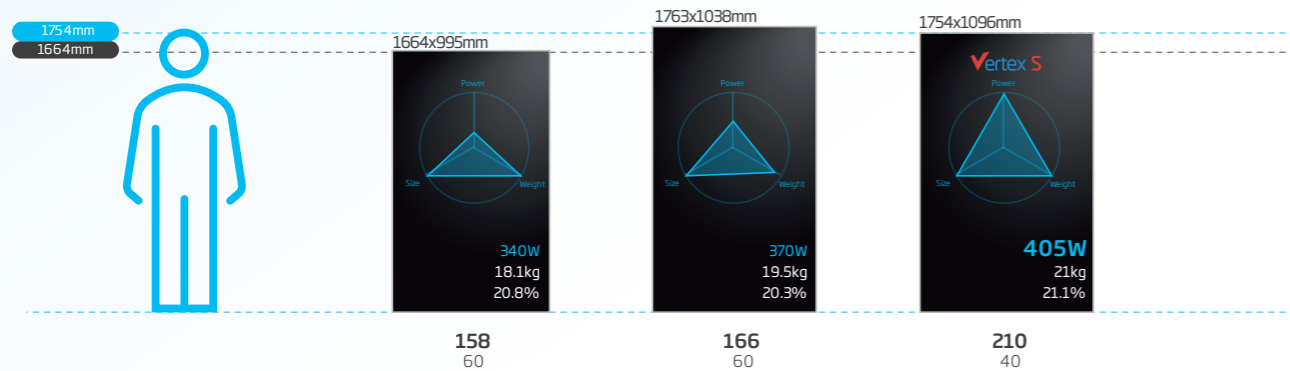
By flattening cell connection areas of welding tape, the cell spacing is reduced to 0.5mm to optimize power output and efficiency, which will leave certain gap to reduce yield risks, micro-cracks and damages to the modules.



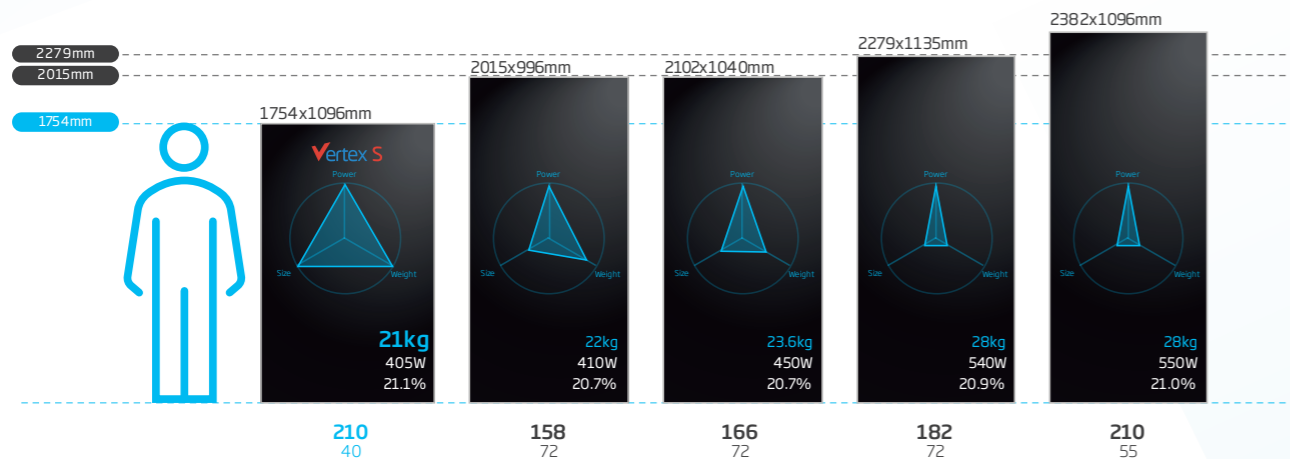
# SMALL IN SIZE, BIG ON POWER

## EXCELLENT BALANCE ON POWER, SIZE AND WEIGHT!

1.75m module size  
Up to **60W** power higher!

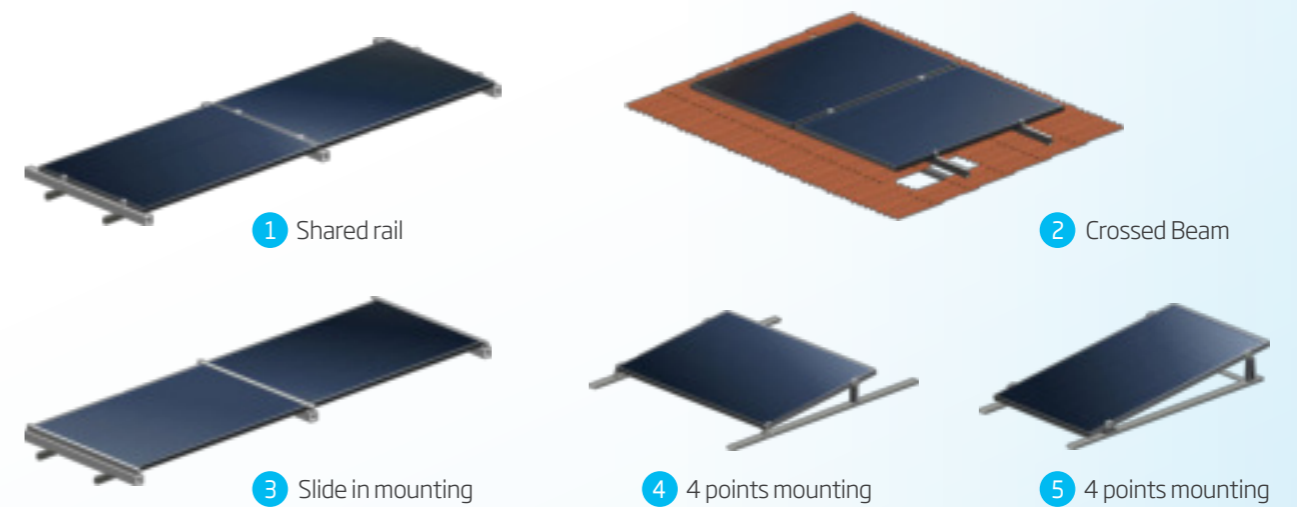


High flexibility!  
1.75m height with **21kg** weight!



# UNIVERSAL SOLUTION ROOFTOPS

Diverse Installation Solutions. Flexible For System Deployment



Excellent Inverter Optimizer Compatibility



Isc: 12.34A

Voc: 41.1V

