

400W⁺

Small in Size, Big on Power

Vertex S



Vertex S

Power

Universal
solution

Size

Compatibility

Appearance

Weight

Mechanical
load

Logistics

Safety

Durable

Sustainable

Reliability

Handling

Requirements of Residential and Commercial Photovoltaic Systems

Max. Power

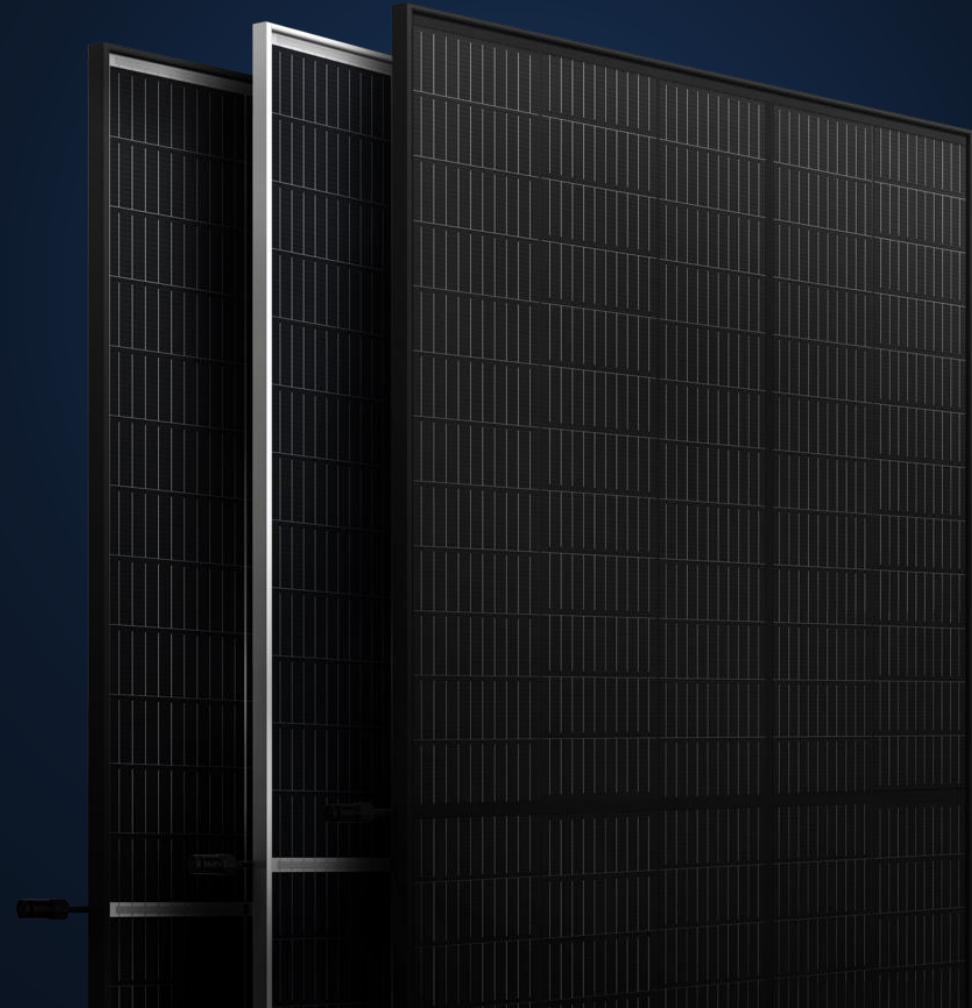
405W

- Size: 1754*1096*30mm
- Weight: 21kg
- Temp coeff.: -0.34%/K
- 1st year degradation: 2%
- Annual degradation : 0.55%
- Product Workmanship Warranty : 15 years
- Power Warranty: 25 years

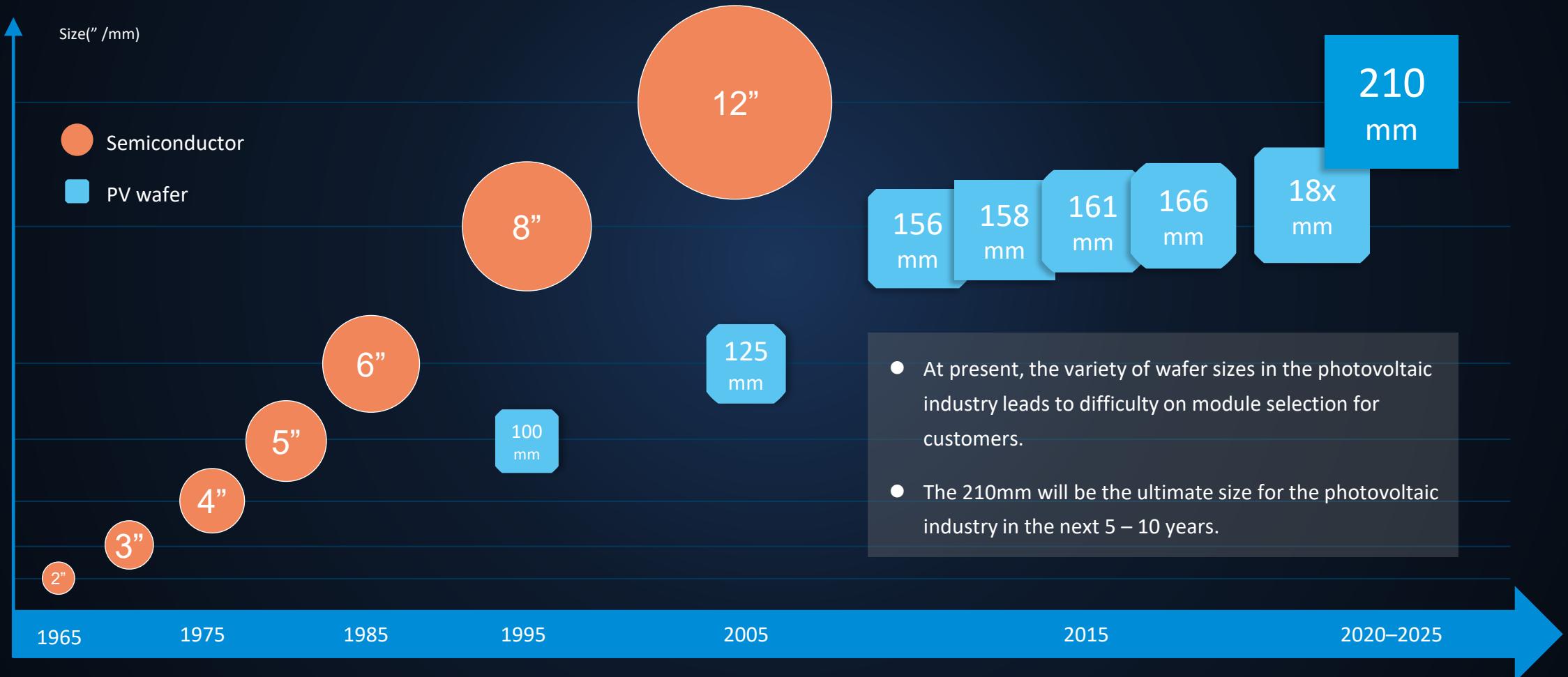
Max. Eff.

21.1%+

- 210mm cells
- Multi-busbar
- Non-destructive cutting
- High-density interconnection
- 5*8 layout
- 1/3-cut cells



Evolution of PV Wafer Sizes



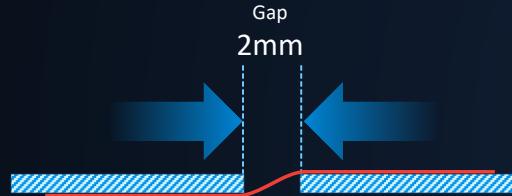
High-density

cell interconnect technology

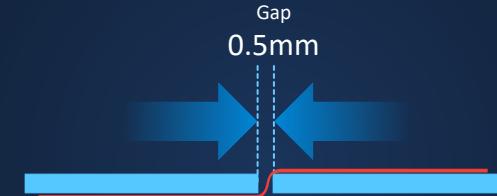
Optimal Design

with high efficiency and high quality

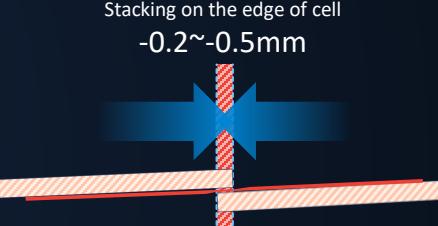
Traditional module



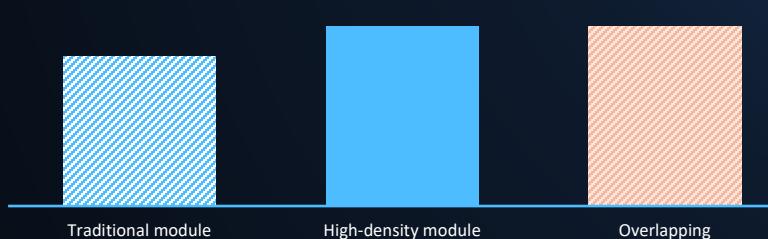
High-density module



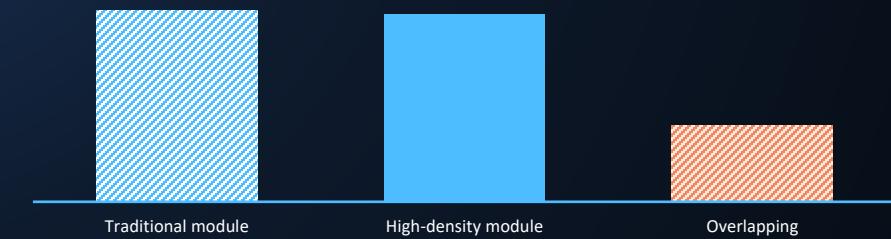
Overlapping



Module Efficiency



Module Yield



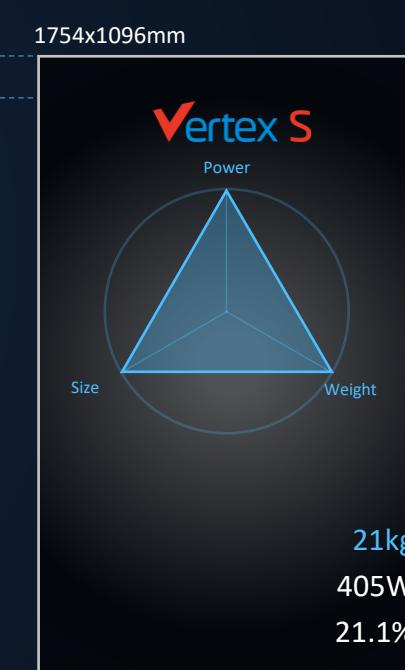
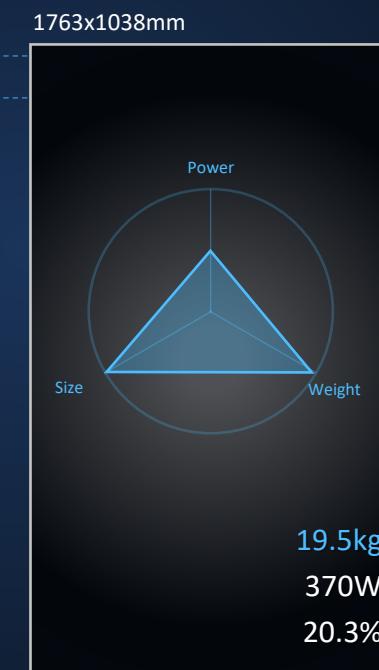
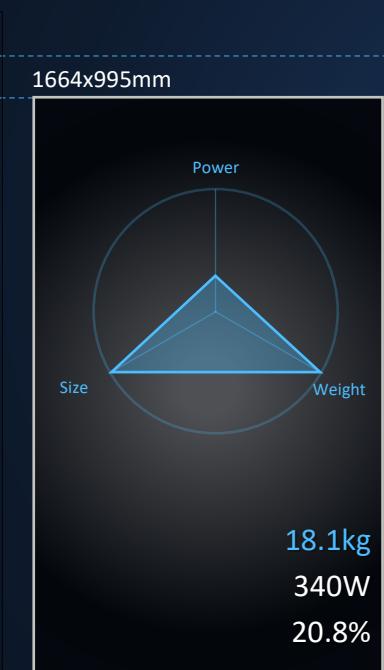
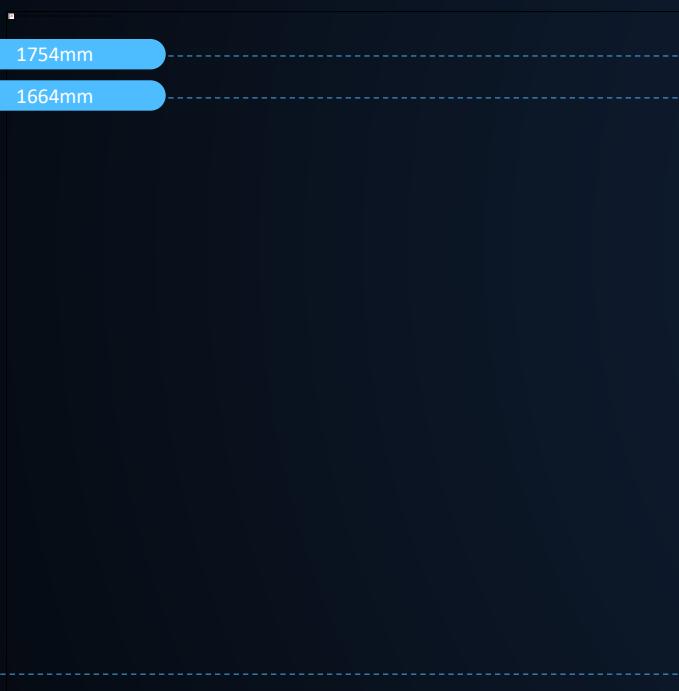
Balance

Small in Size, Big on Power

Small Form Factor, High Power

Trina solar

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

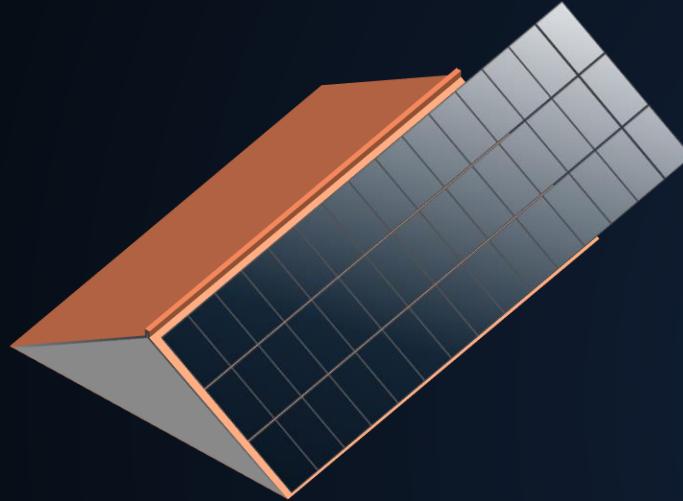


158
60

166
60

210
40

More Capacity on Same Roof Size



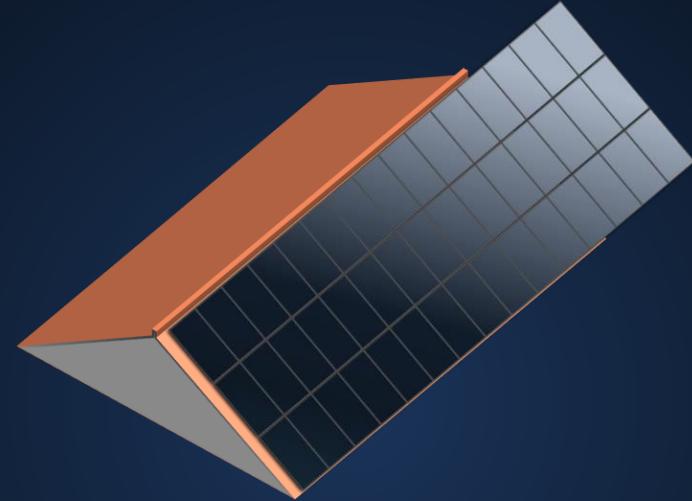
158 (60)

340W

48pcs (3*16)

16.32 kW

256.3 MW·h



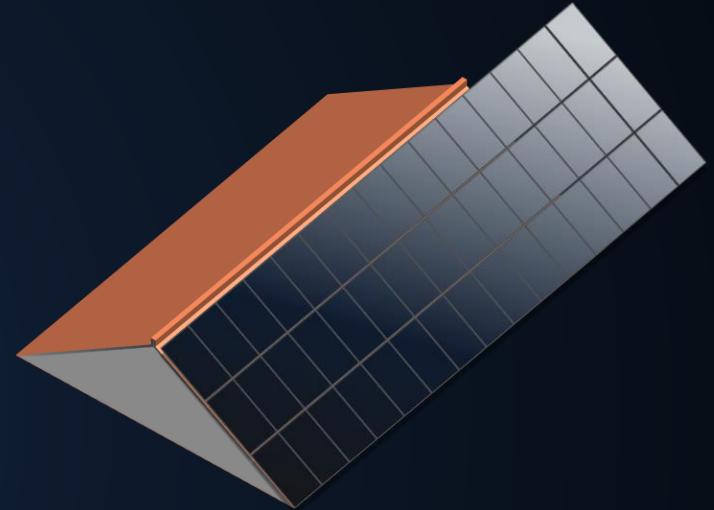
166 (60)

370W

45pcs (3*15)

16.65 kW

289.3 MW·h



Vertex S

405W

45pcs (3*15)

18.23 kW

316.7 MW·h

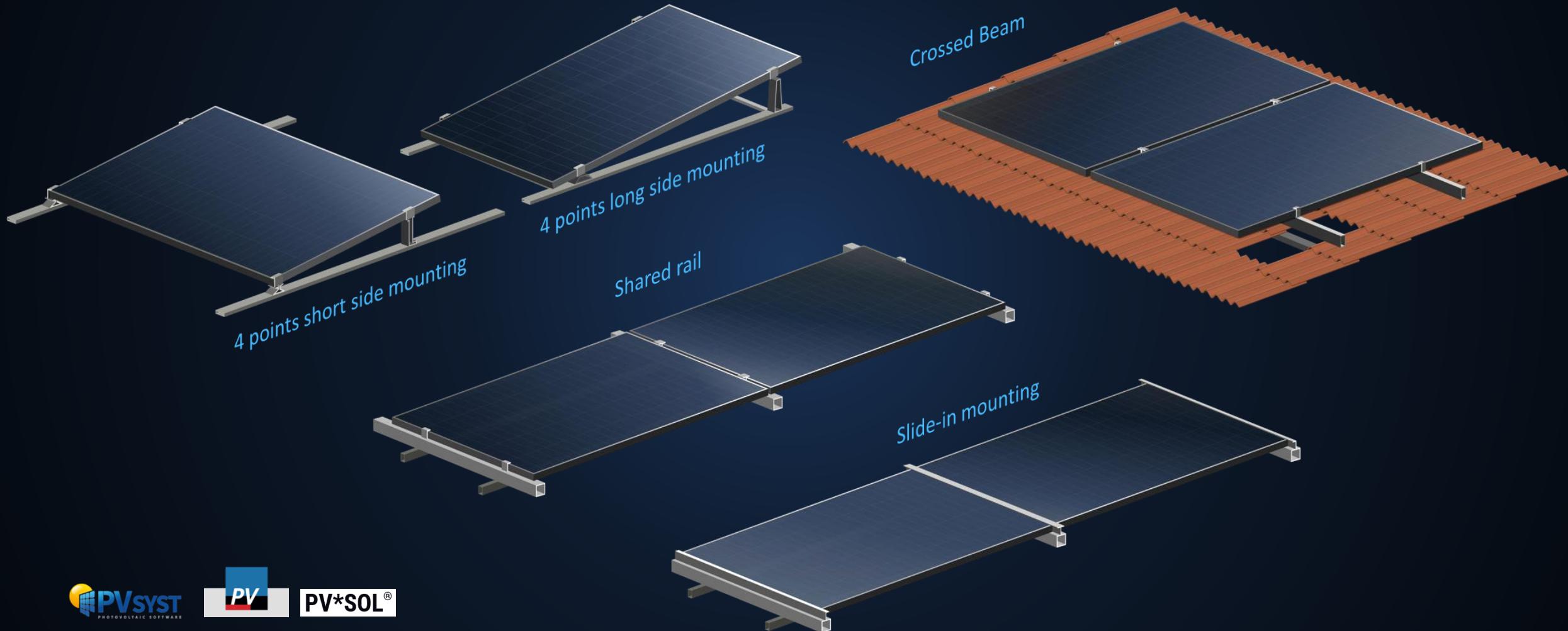
Vertex S generates **23%** more power than 158 60 mono and **10%** more than 166 60 mono in 25 years.

Sample calculation based on Jinan, ShanDong Province, China

Universal Solution for Residential and C&I Roofs

Diverse Installation Solutions. Flexible for System Deployment

Trinasolar



System Planning Tools ready for Vertex S

Universal Solution for Residential and C&I rooftops

Excellent Inverter & Optimizer Compatibility

Trina solar

I_{sc} : 12.34A

V_{oc} : 41.4V

166 60 370W I_{sc} : 11.3A V_{oc} : 41.3V



solaredge

HUAWEI

阳光电源
SUNGROW

固德威
GOODWE

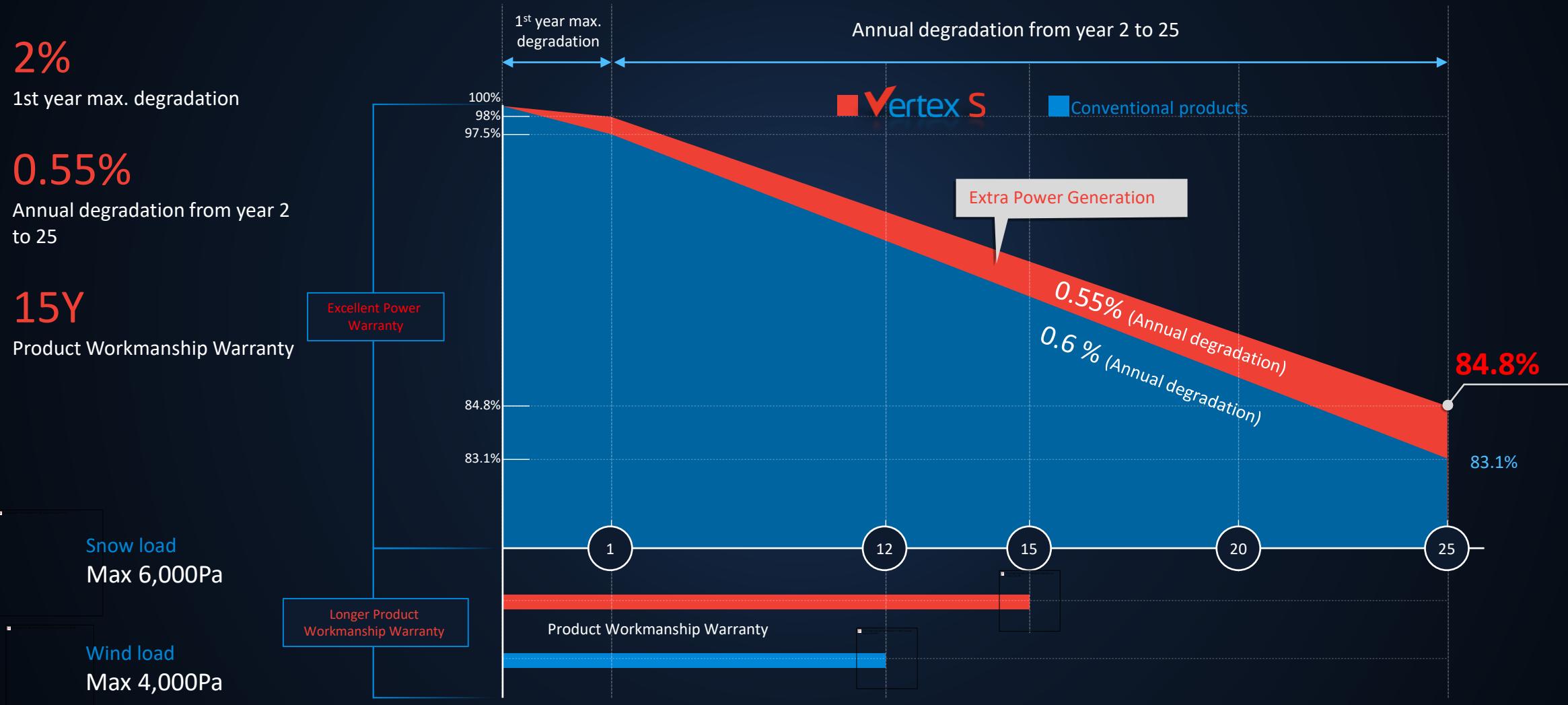
SOLAX
POWER

SMA

Trina Blue
天合蓝天



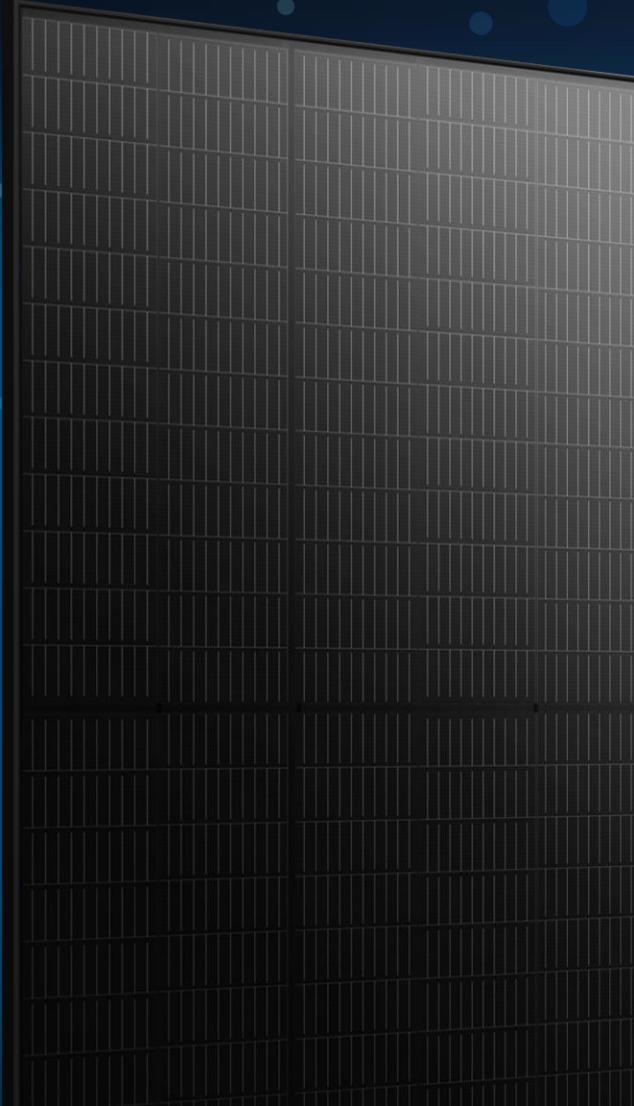
Durability and Reliability



Aesthetic Black Product

Designed for High-end Residential Rooftop

Trinasolar



Outstanding Visual Appearance

- Designed with aesthetics in mind
- Excellent cell color control by dedicated cell blackening treatment and machine selection
- Thinner wires that appear all black at a distance

Vertex S

Capacity Plan of Vertex S

Mass Production
Start in Jan, 2021

5GW
2021

10GW
2022

15GW
2023

Vertex Platform – Vertex Family



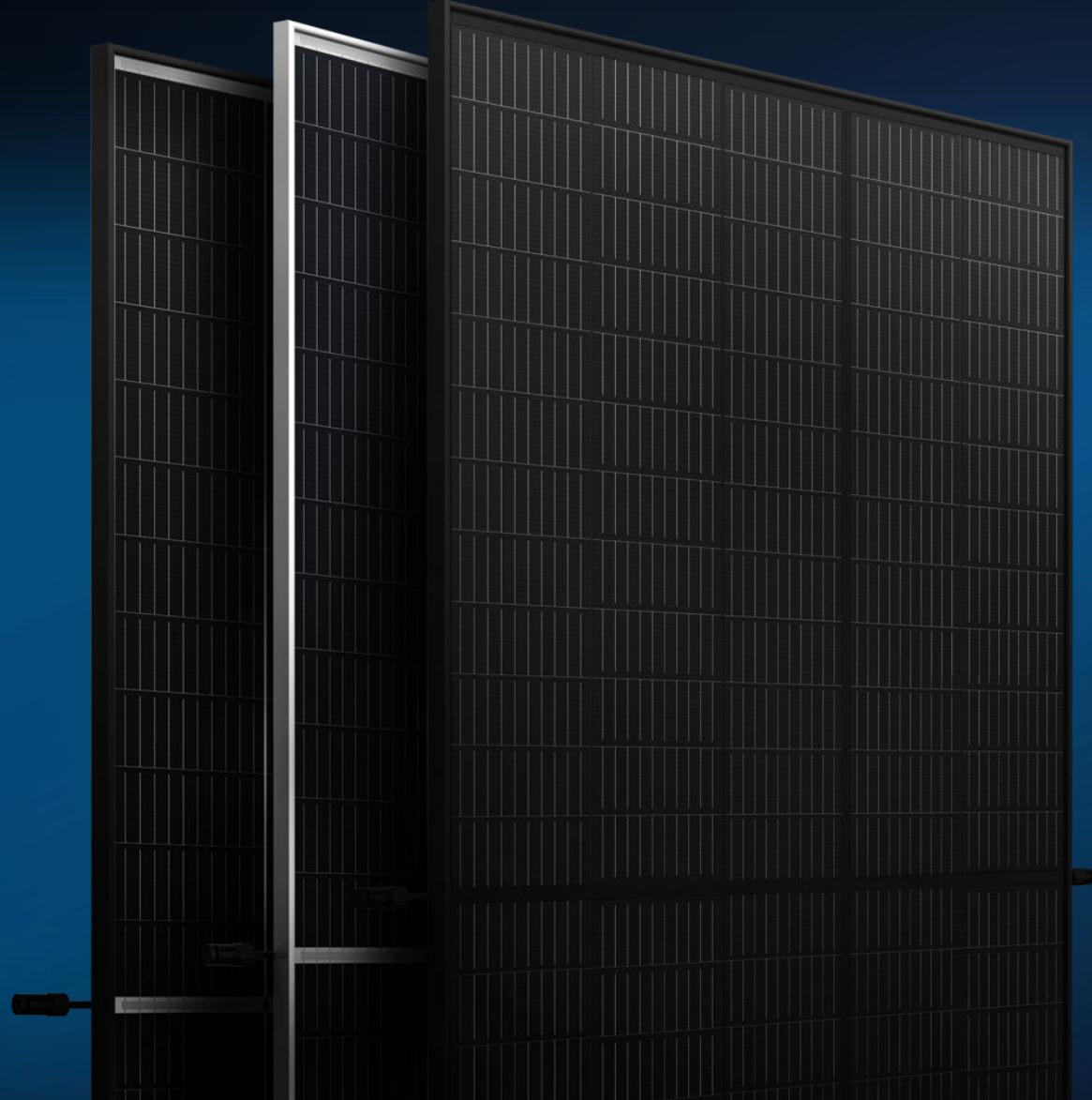
2020 July

2020 Sep

2021 Jan

2021 Q2

Designed for Rooftop Photovoltaic Systems



Max. Power

405W

Max. Eff.

21.1%+

Small in Size – Big on power



Universal Solution for Residential and C&I rooftops



High Reliability



Outstanding Visual Appearance

Three solar panels are arranged in a staggered, overlapping fashion in the background, angled towards the right. They are set against a dark blue gradient background with a subtle circular pattern of lighter blue dots.

Thanks for watching !

The logo for Vertex S, featuring the word "Vertex" in a blue, sans-serif font and the letter "S" in a red, bold, italicized font. The "S" is partially cut off on the right side. The logo is positioned in the lower right quadrant of the slide.

Vertex S