

# Vertex S

Small in Size **Big in Power**

**60W+**



Up to

**30~60W**

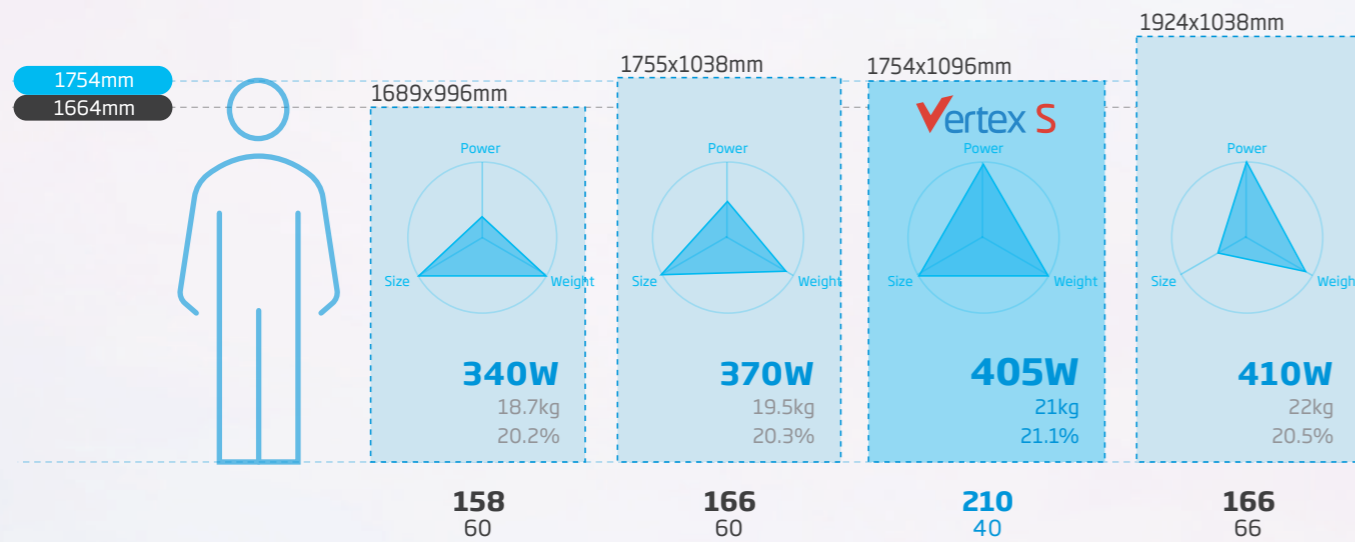
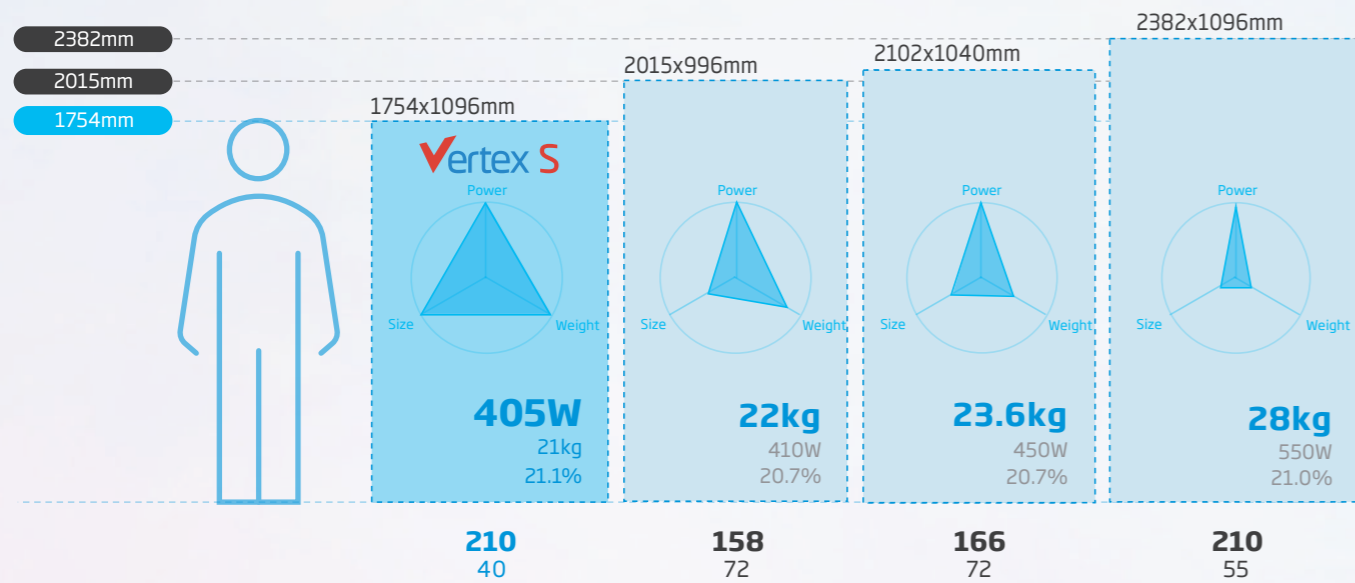
Power Higher

**Trina**solar

# Small in Size, Big in Power

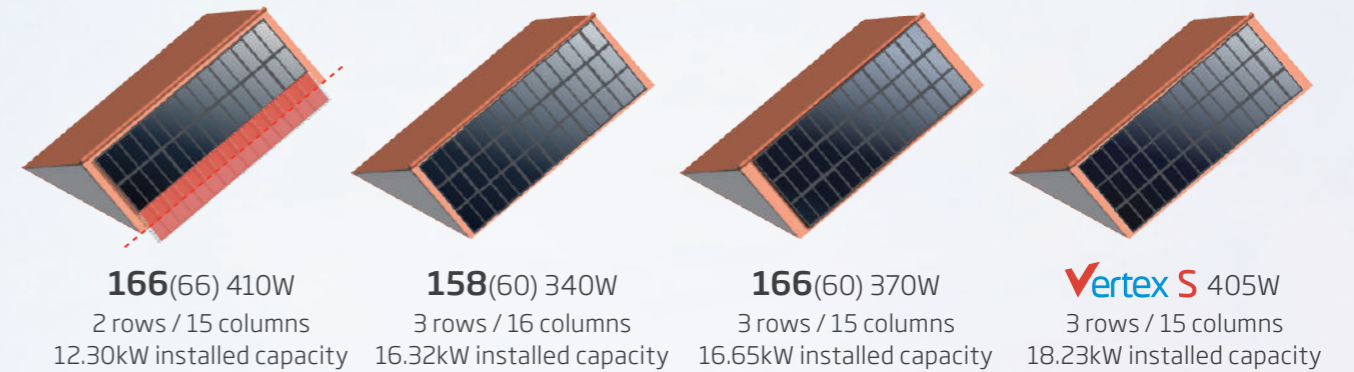
Excellent Balance between Power, Size and Weight

1.75m module size, up to **60W<sup>+</sup>** power higher

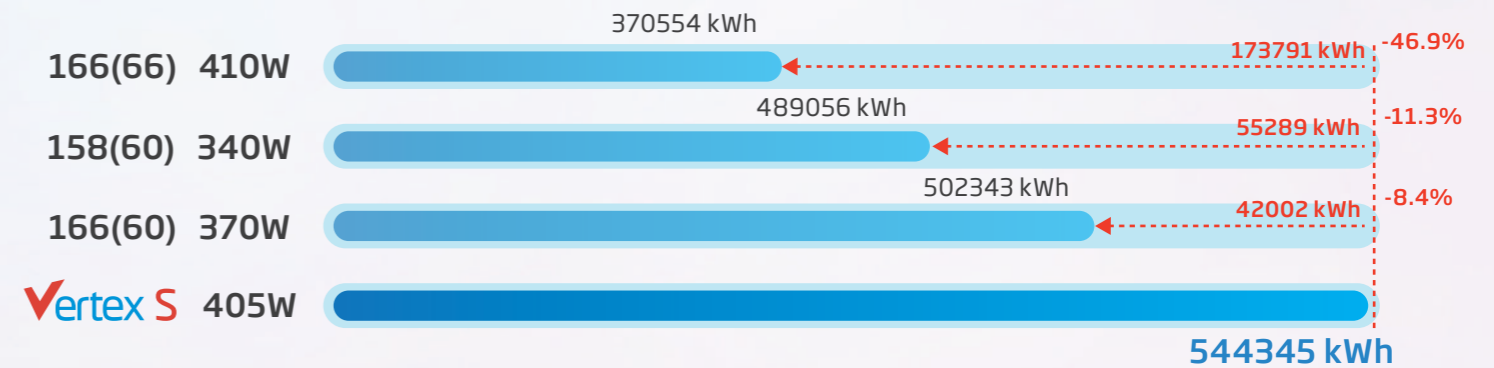


	158 60	166 60	Vertex S 405	166 66
Power (w)	340	370	405	410
Efficiency (%)	20.2%	20.3%	21.1%	20.5%
Weight (kg)	18.7	19.5	21	22
Length (mm)	1689	1755	1754	1924
Width (mm)	996	1038	1096	1038
Mechanical load (Pa)	5400/2400	5400/2400	6000/4000	5400/2400
Frame thickness (mm)	35	35	30	35
Per container (pcs)	780	780	936	744
Transportation Capacity (w)	265	292.5	374(+28%)	305
Warranty (Year)	12+25	12+25	15+25	12+25

# More Installation, Less Cost, and High Revenue



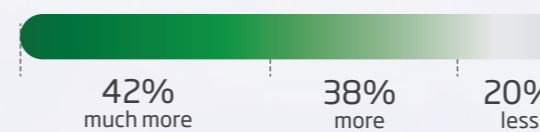
For 25-year power generation on a south-faced sloping rooftop with size of 16.8m x 5.5m



8.4%~46.9% higher power generation on the same rooftop



Under the same circumstances, Vertex S module can save **1.4 cEUR/W** in BOS cost, comparing with the 166 370W module.

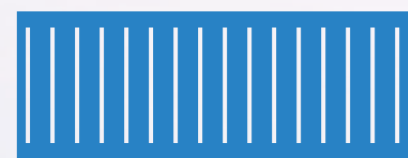
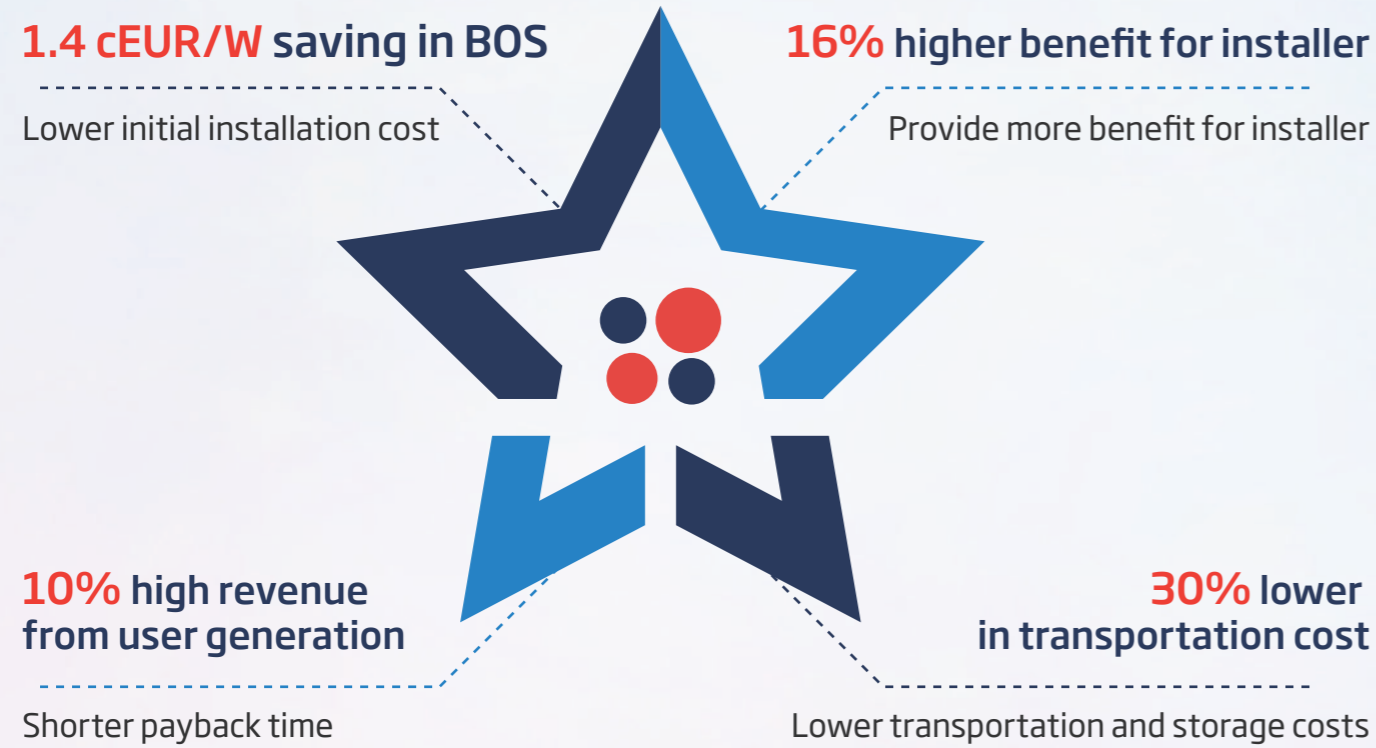


According to big data analysis and layout design, more than **80%** of the rooftops are more suitable for Vertex S installation with higher power generation.

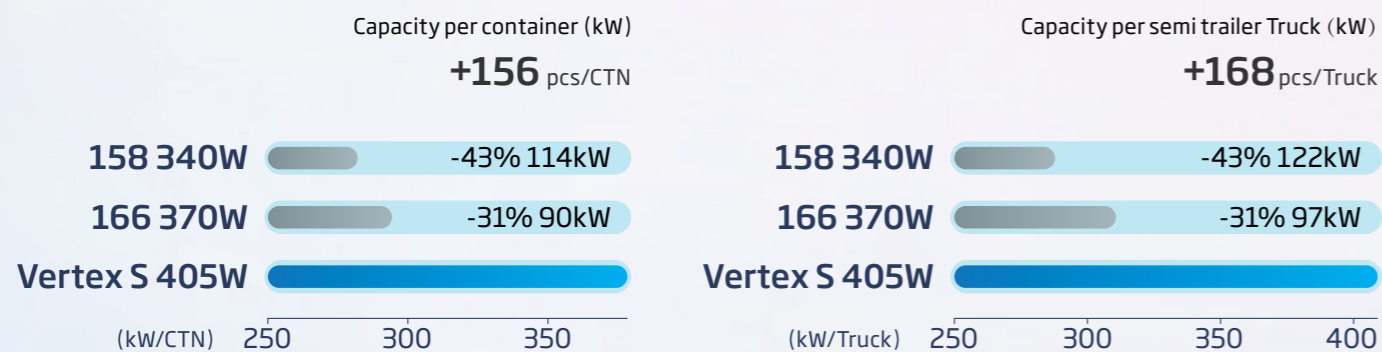
Items	166 410W	158 340W	166 370W	210 405W
Installed capacity (kWp)	12.30	16.32	16.65	18.23
Inverter price (cEUR/W)	+0.33	+0.084	benchmark	-0.33
Solar tracker (cEUR/W)	-0.17	+0.17	benchmark	-0.33
Cables(DC+AC) (cEUR/W)	+0.33	+0.17	benchmark	-0.33
Grid box (cEUR/W)	+0.17	+0.084	benchmark	0
Other costs (incl. labor cost) (cEUR/W)	+0.39	+0.19	benchmark	-0.39
Difference in BOS (cEUR/W)	+1.39	+0.70	benchmark	-1.38

The installation costs and revenues are calculated based on the Trina Solar model.

# Lower Cost, Higher Revenue



**CO<sub>2</sub>**  
Low carbon emission  
Low transportation cost



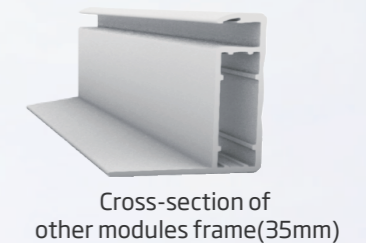
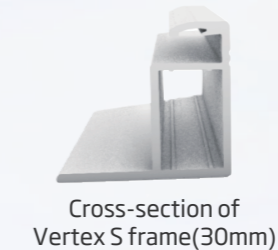
Installation costs and benefits are determined according to the Trina Solar's expert model.

# Super Mechanical Performance, Flexible Adaptation

Diversified installation methods make the system more flexible

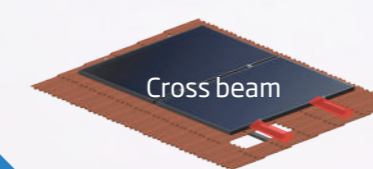
Positive mechanical load up to **6000Pa** with snow thickness of **50cm\***

Negative mechanical load up to **4000Pa** with wind speed of 235km/h (**17 class hurricane\***)



Better frame design for Vertex S:

- thicker frame profile
  - stronger material strength
  - larger frame chamber to disperse loading pressure
- Vertex S is specially designed for working at extreme weather conditions thanks to its excellent mechanical performance.



\* According to IEC2016 with SF=1.5

Isc: 12.34A Voc: 41.4V



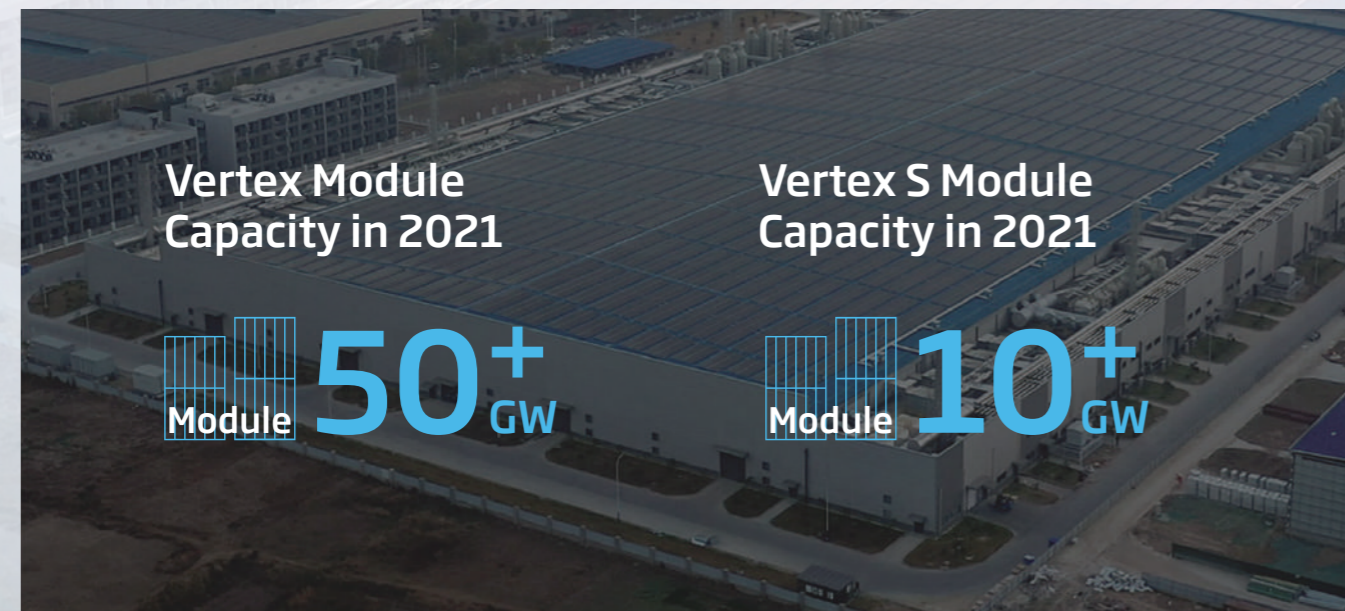
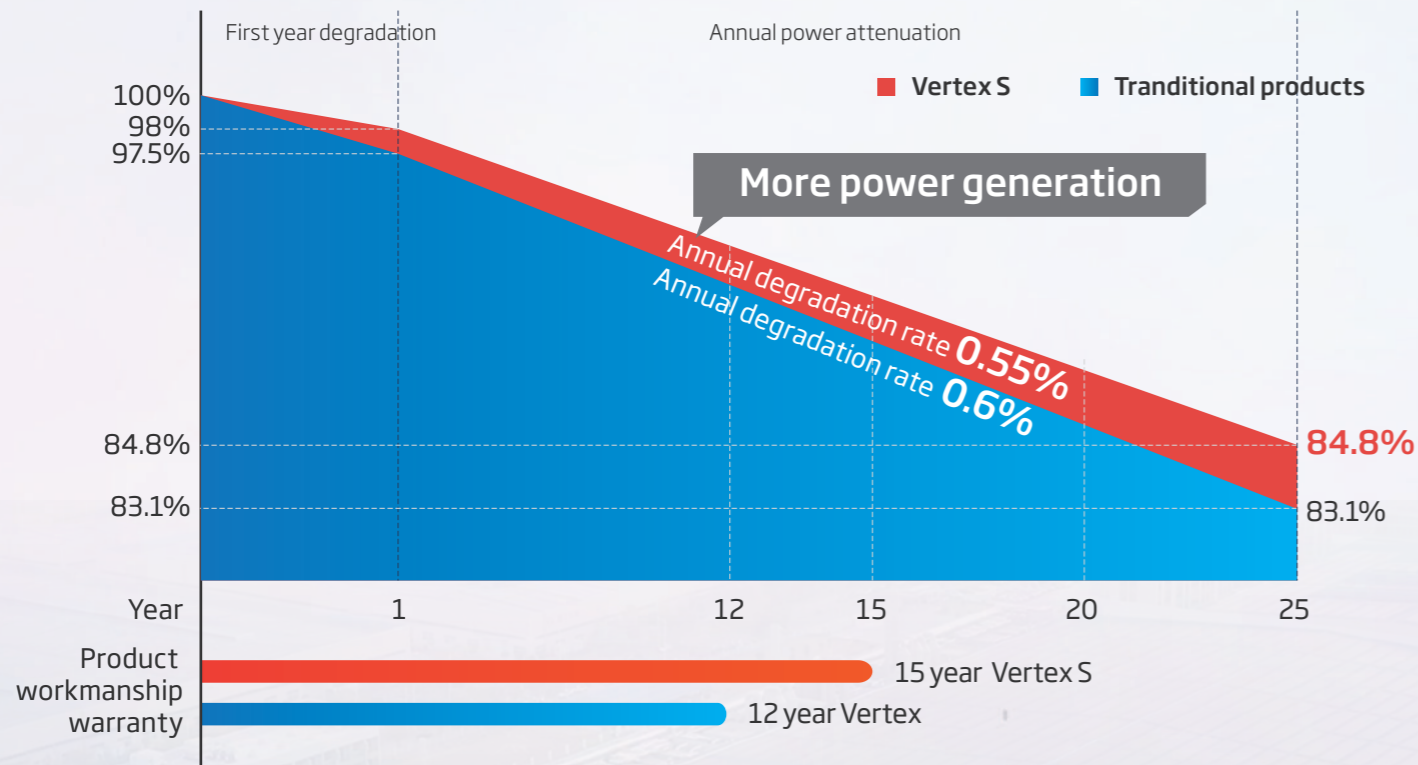
Plugin an play, no need to worry about system compatiability.

# Small in Size, Big in Power

Lower degradation, higher power generation, and longer product warranty

Product warranty **15year** First year degradation **2%** Annual power attenuation **0.55%** Power warranty **25year**

12 year warranty for standard products (can be extended to 20 or 25 year)



# The Future From Now On, More than Bigger Power

Maximum power output **410W<sup>+</sup>** Maximum efficiency **21.3%<sup>+</sup>**

- ✓ Module power increase up to 60W
- ✓ Power generation increase 10~23%
- ✓ Better performance against wind, excellent system adaption
- ✓ Lower attenuation, longer warranty, and higher revenue from power generation
- ✓ Full black aesthetics with ultimate appearance





# Power Beyond Solar

The World Leading PV and Integrated Smart Energy Solution Provider



Trina Solar  
Official Website



Vertex Product  
information

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