

Trina solar

## Power Beyond Solar

The World Leading PV and Smart Energy IoT Total Solution Provider



Vertex S+ Product  
information



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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.

# Vertex S+

## 505W+



Easy to Install

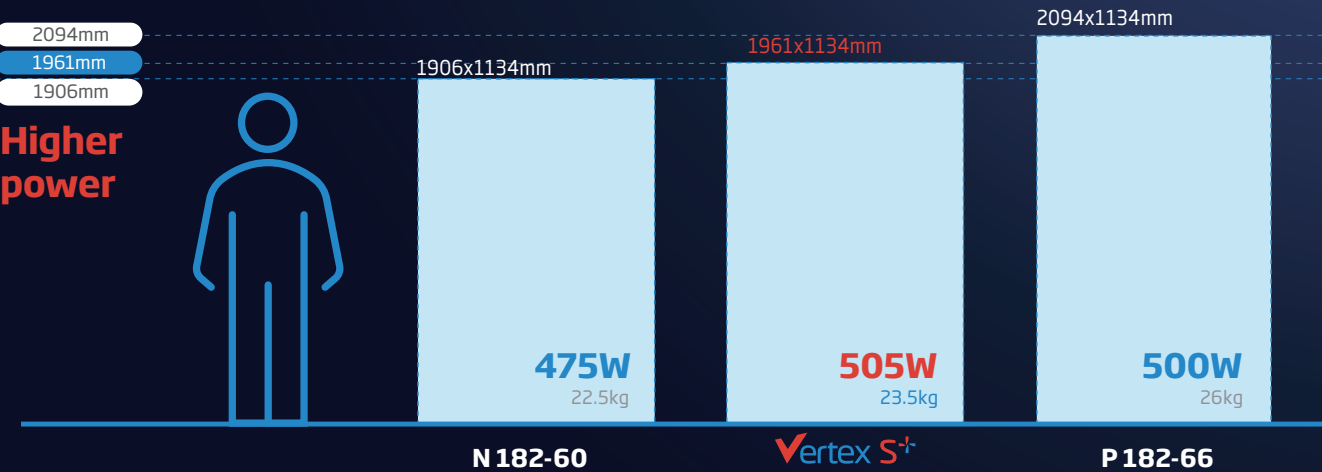
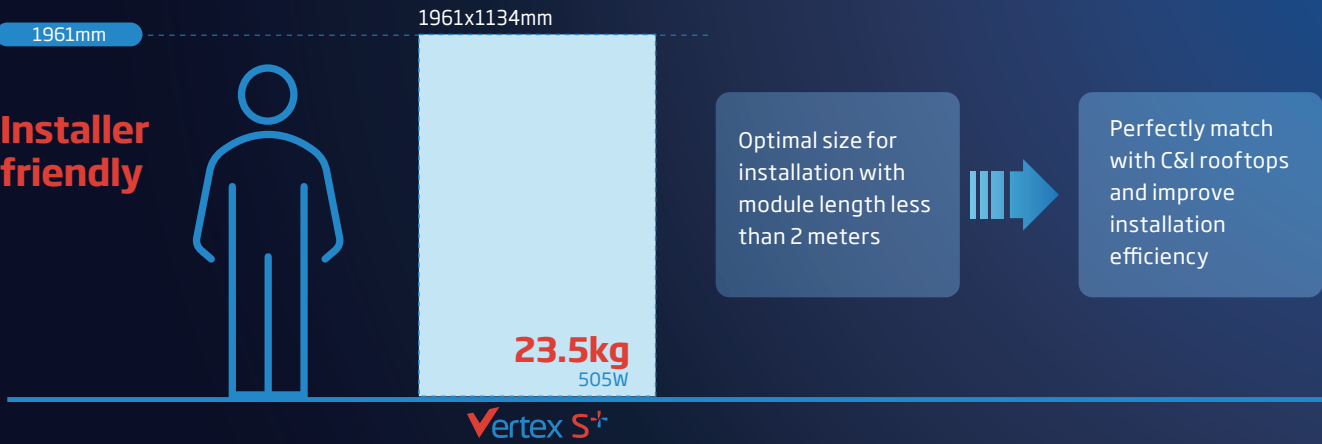
**Higher Returns on Investment**



# Easy to Install, Better Solution for C&I Rooftop

Excellent Balance between Power, Size and Weight

1.96m module size , maximum power up to **505W<sup>+</sup>**



	N 182-60	Vertex S+ 505W	P 182-66
Power (w)	475W	505W	500W
Efficiency	22.01%	22.7%	21.3%
Structure	Backsheet	Light dual-glass	Backsheet
Dimension (mm)	1906*1134*30	1961*1134*30mm	2094*1134*35mm
Weight (kg)	22.5kg	23.5kg	26kg
Mechanical load (pa)	5400/2400	5400/2400	5400/2400
Fireproof Class	Class C	Class A+C	UL type 1or 2 / IEC Class C
Transportation Capacity (Kw/40HC Container)	864pcs	864pcs	682pcs
Warranty (Year)	25+30	25+30	12+25

# More Installation, Less Cost, and High Revenue

Items	N 210R-54	N 182-60	P 182-66
Module Power (Wp)	505	475	500
Module per String	34	32	30
String Power (Wp)	17170	15200	15000
Installed Capacity (kWp)	1562.47	1550.40	1545.00
DC/AC ratio	1.21	1.20	1.20
BOS (€/Wp)	0.1379	0.1458	0.1452

Items	N 210R-54	N 182-60	P 182-66
Module Power (Wp)	505	475	500
Module per String	12	12	12
String Power (Wp)	6060	5700	6000
Installed Capacity (kWp)	6.06	5.70	6.00
DC/AC ratio	1.212	1.140	1.200
BOS (€/Wp)	0.2267	0.2410	0.2307

power generation **↑8.5%**

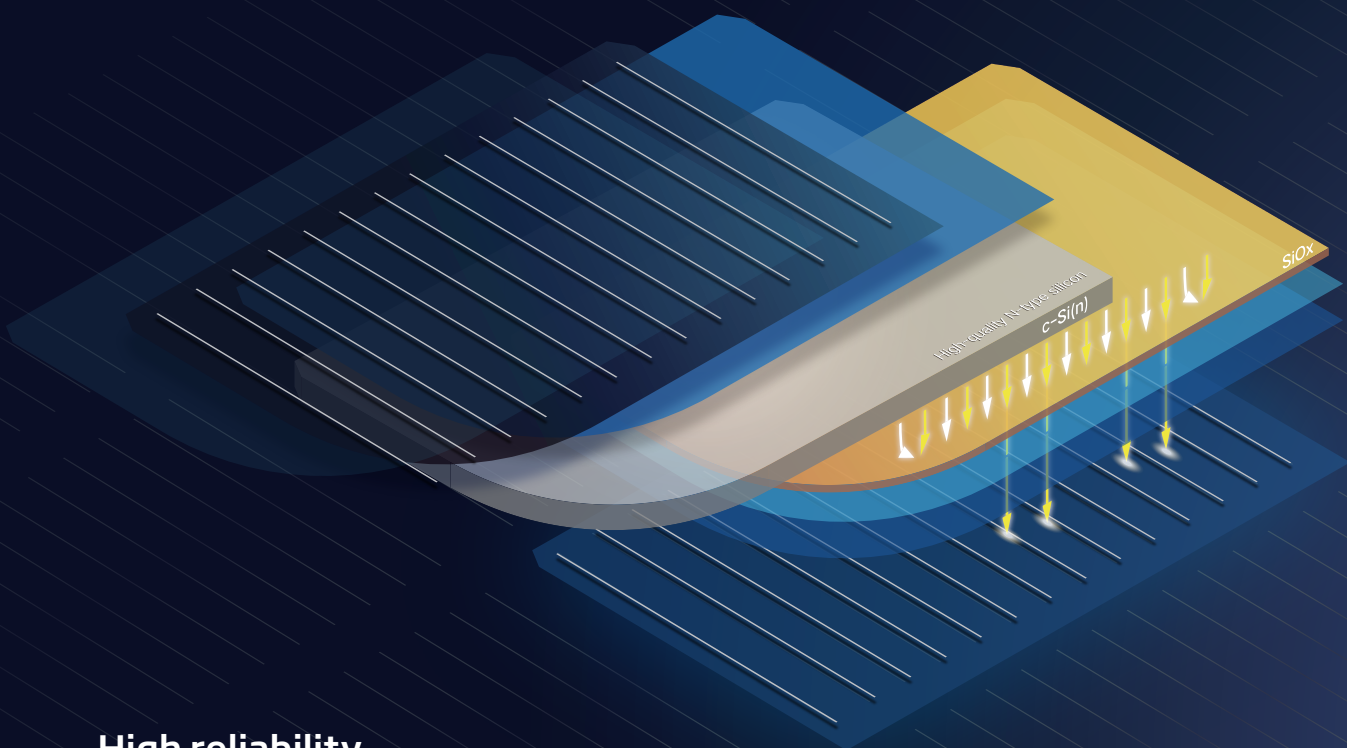
Vertex S<sup>+</sup>

The power generation in the 25 years could be **8.5%** more.



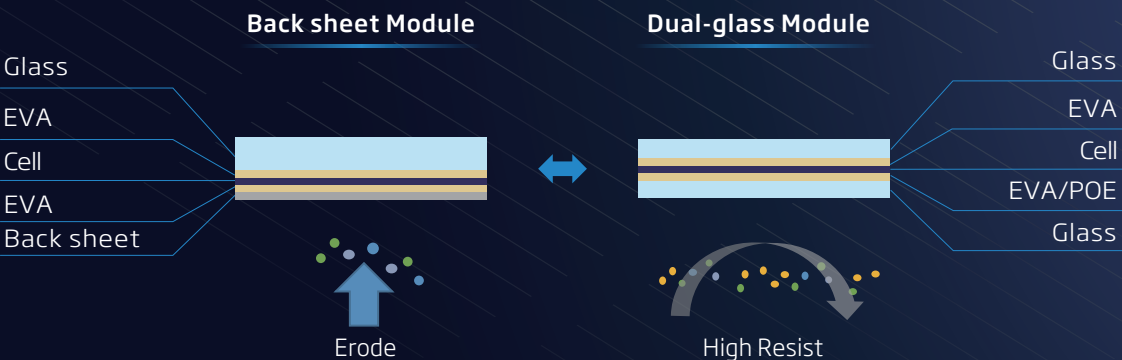
# Advanced technology , High reliability

n type i -TOPCon technology with 210mm innovative platform



## High reliability

1.6+1.6mm **dual glass** design



Low temperature coefficient:-0.29%/°C

Vertex S+ -0.29 %/°C

P-PERC -0.34 %/°C

N type have extra 32W higher than PERC module under the 45°C working temperature.

# Outstanding Mechanical Load

Better mechanical load capacity to withstand extreme weather

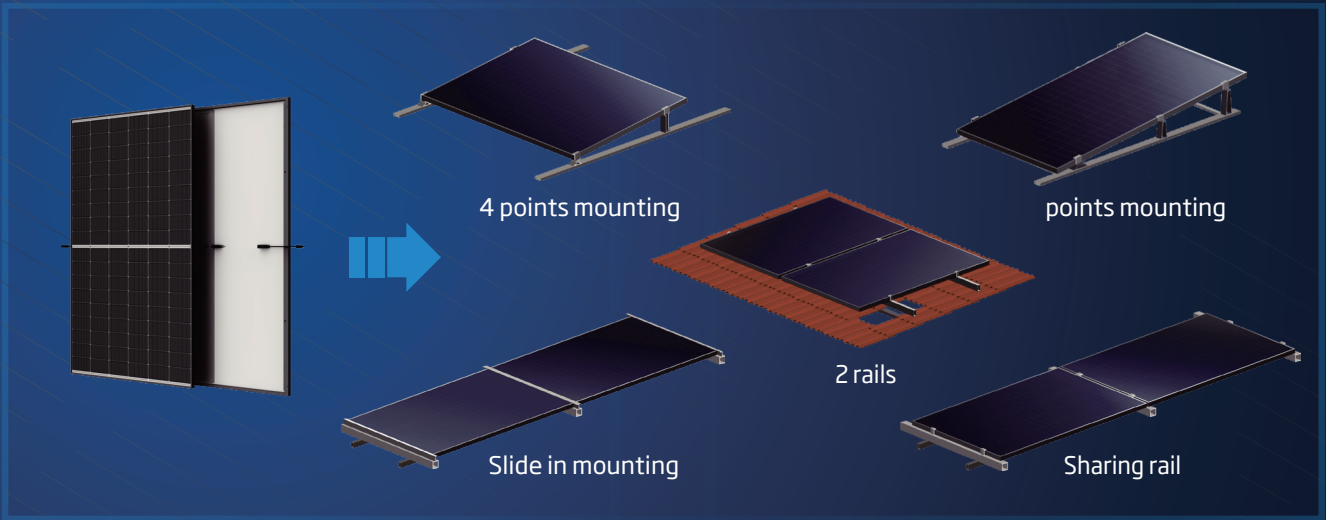
 <p>Positive mechanical load up to 5400Pa with snow thickness of 100cm (snow density 30N/m²)</p>	 <p>Pass <b>35mm</b> Hail Test according to IEC62125-2:2021</p>	 <p>Negative mechanical load up to <b>2400Pa</b></p>
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Vertex S+ is applicable for Residential and C&I Rooftops

Better frame design for Vertex S+ 505W

- thicker frame profile
- stronger material strength
- larger frame chamber to disperse loading pressure

Flexible installation and high system compatibility



\* According to IEC2016 with SF=1.5

Isc: 15.86A

Voc: 40.1V

阳光电源  
SUNGROW

HUAWEI

GROWATT  
古瑞瓦特

fronius

GOODWE

solar edge

SMA



and many more inverter brands...  
Plug-and-play, no need to worry about system compatibility

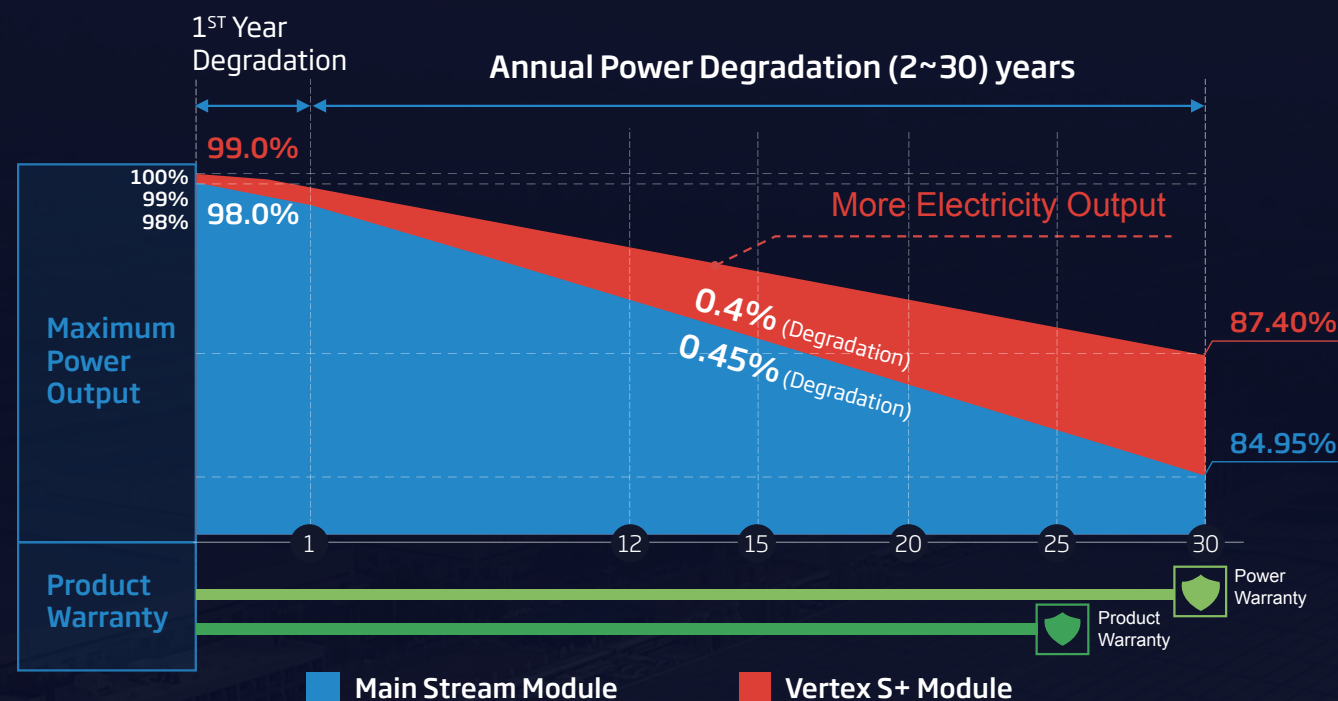


# Long Guaranteed Product Lifecycle

Lower degradation, higher power generation, and longer product warranty

Product warranty	First year degradation	Annual power attenuation	Power warranty
up to 25 years	1%	0.4%	30 years

Lower degradation, ~2.45% higher power output!



# The Future from Now On, More than Bigger Power

Maximum power output

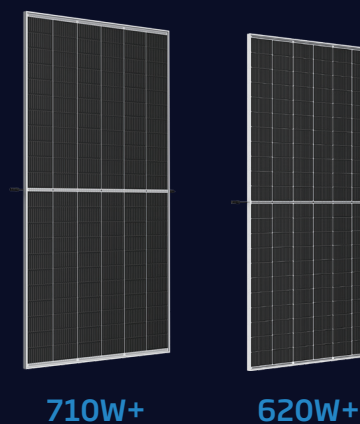
505W<sup>+</sup>

Maximum efficiency

22.7%

- ✓ n type i-TOPCon technology with 210mm innovative platform
- ✓ 1.6+1.6mm dual glass design
- ✓ Module length less than 2 meters, perfectly match the C&I rooftop
- ✓ Higher power, more energy gain, lower BOS and LCOE
- ✓ Outstanding reliability and safety
- ✓ Up to 25 years product warranty, 30 years power warranty

Vertex N



Vertex S<sup>+</sup>

