

Sustainability Beyond Products

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For the past 26 years, Trina Solar has stayed true to its purpose Solar Energy for All

Trinasolar

Our Vision

We are committed to lead the way in smart solar energy solutions for a **net-zero future**



Sustainability Spotlights

Net-zero Operations

Net-zero Products

Net-zero Systems



Net-zero Operations

Full Sustainability Report

Sustainable Development Goal: 100% Renewable Energy Use in Manufacturing and Operation by 2030



2020	2025			2030		
	-50%	-40%	-20%	100%	"3Rs"	100 Million
Baseline year	reduction for Category 1 and Category 2 GHG emissions intensity (tCO ₂ e/MW) of solar PV products	reduction for integrated energy consumption (tce/MW) of solar PV products	reduction for water consumption (t/MW) of solar PV products	100% renewable energy in global production and operations	"3Rs" (Reduce, Reuse and Recycle) policy established and improved to achieve the goal of "zero" waste land fill by 2030	100 million kWh of power consumption saved in global manufacturing and operation from 2021 to 2030

Sustainable development goals are set for 2025 and 2030 against the base year of 2020.

Decarbonizing the solar industry Trina Solar Green and Zero-Carbon Factories

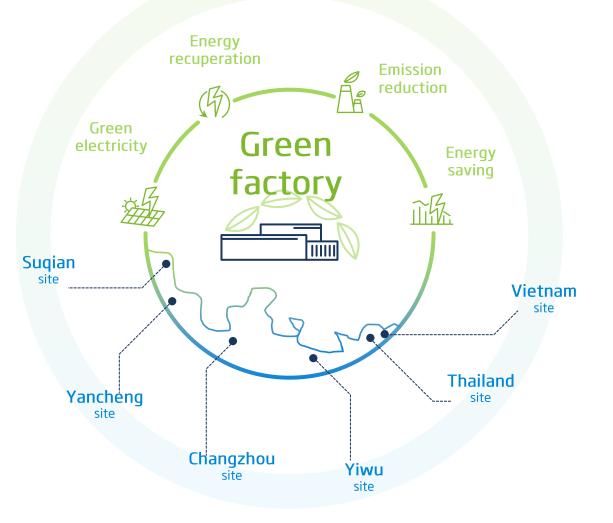
Trina Solar Yiwu PV module factory: First 3rd party certified PV manufacturing plant in the world

- Product design
- Comprehensive layout of green zero-carbon supply chain
- Holistic energy and carbon management
- Latest automated production equipment
- Digital and intelligent management systems

Industry leading: Yiwu produced modules have lowest carbon emissions per unit in the manufacturing process.



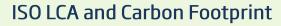






Net-zero Products

210 Vertex Modules: Among the Lowest Carbon Emissions per Unit in the Industry



210 Vertex family products (410 - 670W) have achieved an industry leading low carbon emissions assessment by "Cradle to Gate" ISO LCA and Carbon Footprint qualification.

ISO 14040:2006 ISO 14044:2006

ife cycle assessment.



Annex to certificate

 Standard
 ISO 14040:2006, ISO 14044:2006

 Certificate Registr. No. CO 50532011 0001
 Report No.

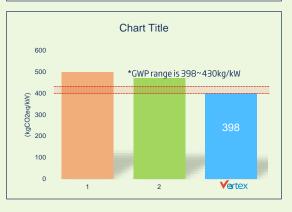
 Report No.
 90137357 001



Lowest carbon emissions per unit during production in the industry:

within 400g per watt.

Carbon footprint of products



Certisolis (France)

Trina Solar is one of the first PV module manufacturers certified by Certisolis (France) with the verified carbon footprint <550kg/kW.



UL/EPD

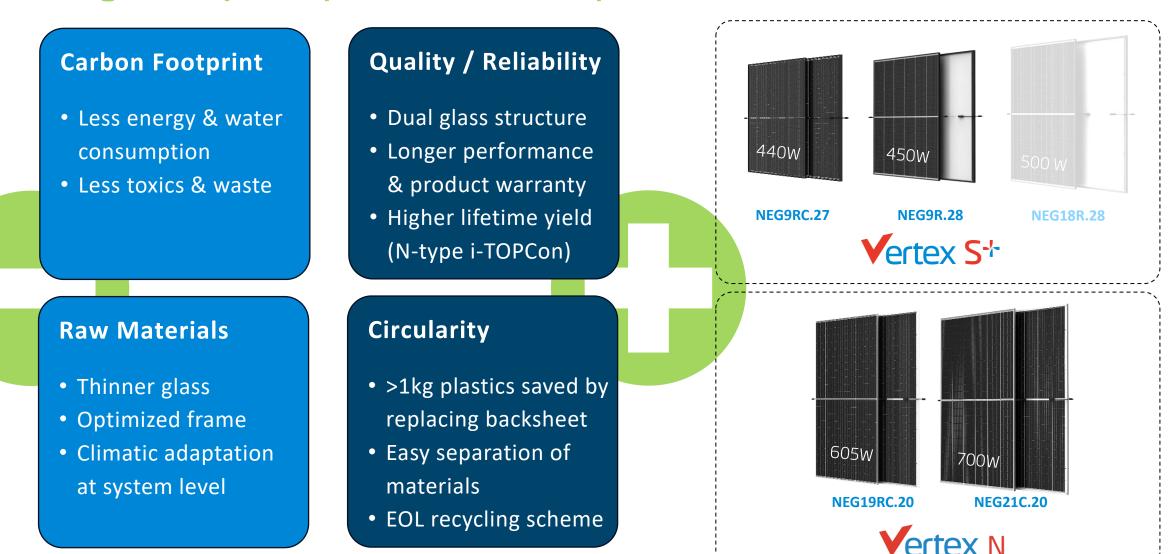
Trina Solar is the first PV manufacturer to have obtained UL and Italy EPD certifications. More popular types are pending on EPD certification.





Best Practice Example Vertex S+ and Vertex N: Using less input to produce more output







Net-zero Systems



Employing Software to get the most out of Hardware Smart Module + Tracker Integration





Trina Smart Cloud Smart O&M cloud platform

Remote monitoring & control for max uptime

Employing Software to get the most out of Hardware Smart Module + Tracker Integration



Trina Tracker Flexible Trackers



Vertex N

TOPCon

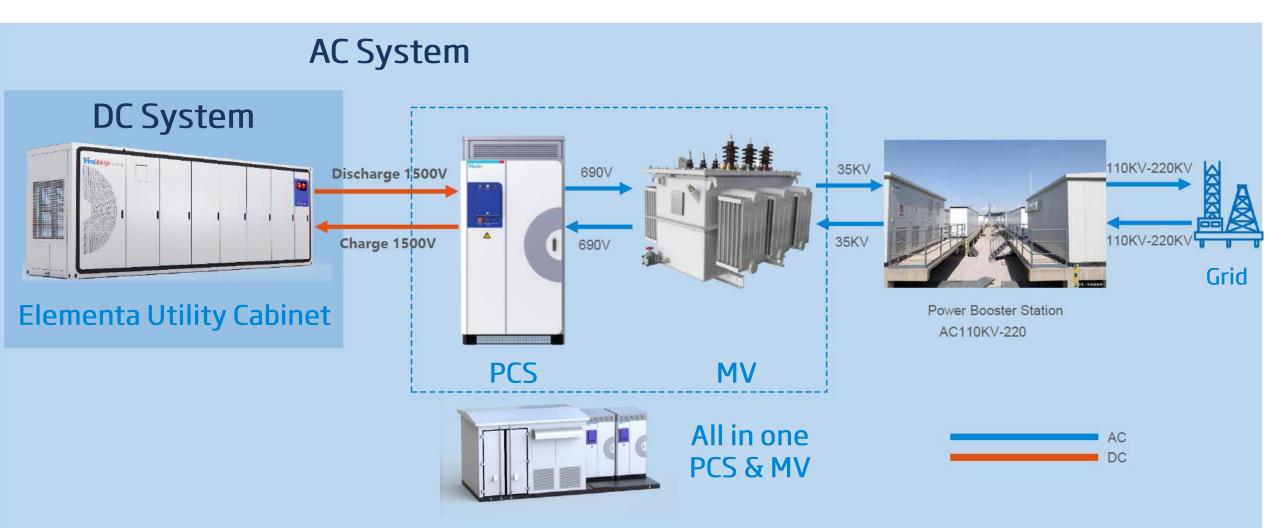
Modules

High Performance



Power Beyond Solar: Smart Battery Energy Storage System







EUROPEAN INDUSTRY SURVEY

LARGE-SCALE **SOLAR: CHALLENGES** AND TECHNOLOGY **TRENDS**



bit.ly/PV-IndustrySurvey

50% 50%



Sustainability Beyond Products

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