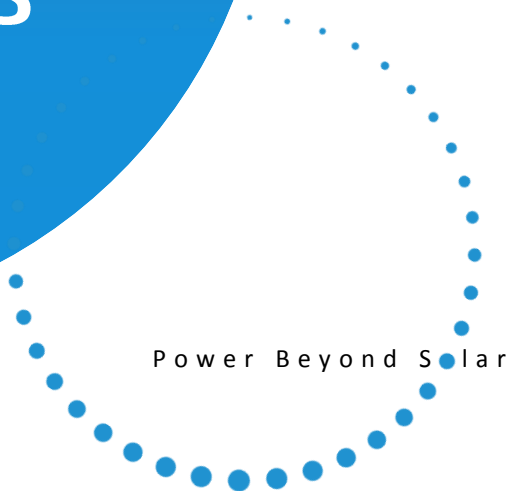


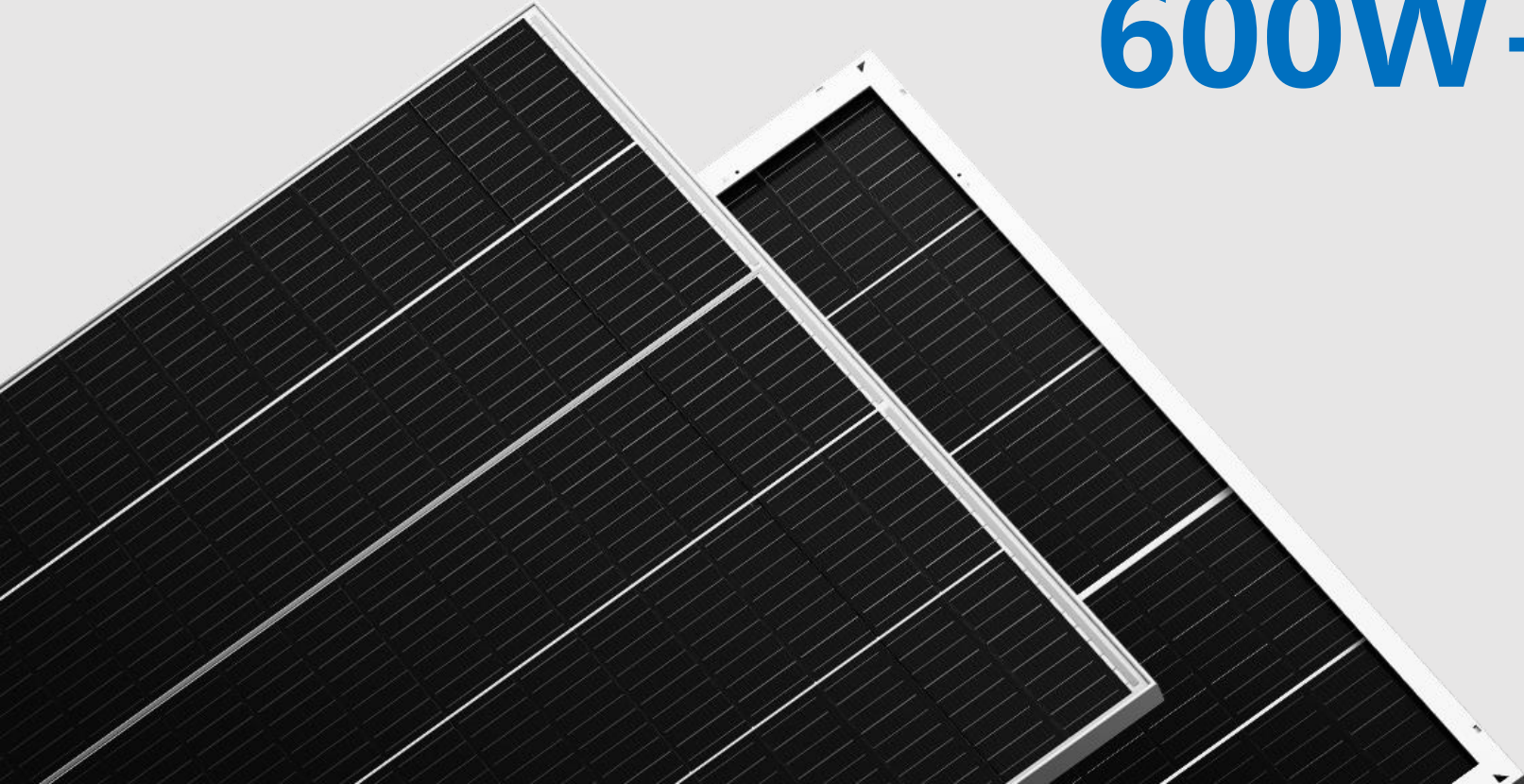
2021

Trinasolar 210 Reference Projects



Power Beyond Solar

600W+ Reference Project





Dachaidan 112MW PV Power Station Project

With a vast area and an average altitude of more than 3,400 meters, the Dachaidan region provides abundant solar resources, which makes it an ideal location for solar power plant. To maximize the efficiency, the owner, Concord New Energy looked for PV modules with high energy yield and great reliability. After cautious comparison, the project was nominated for Trina Solar's 210 670W Vertex series of most advanced ultra-high power modules, which can tolerate any desert environment with high altitude, heavy sand-wind and huge temperature difference.



210 Vertex
670W Series/ Bifacial
PV Modules



112MW
System Scale



Sep,2021
Commercial
Operation Time



Dachaidan, Qinghai
Province , China
Location



Miyazaki PV Power Station Project ,Japan

The project is located in the town of Kawa-Minami, Miyazaki Prefecture in southern Japan, which enjoys 2,000 hours of sunshine a year, and has winters unaffected by monsoons. After thoroughly comparing various solutions, the customer chose Trina Solar's 670W Vertex series of ultra-high power modules.



210 Vertex
670W Series/ Bifacial
PV Modules



0.4MW
System Scale



Oct,2021
Commercial
Operation Time



Miyazaki, Japan
Location





Ahlen PV Power Station Project, Germany

Trina Solar, a leading global PV and smart energy total solution provider, has delivered its ultra-high power Vertex 670W module series to customer Schoenergie in Germany. Mass production of this latest and strongest 210mm module is already in full swing. The Vertex 670W module is designed to minimize LCOE in utility-scale projects and enjoys a highly favorable reception in the European marketplace.



210 Vertex
670W Series/ Bifacial
PV Modules



0.4MW
System Scale



Year 2022
Commercial
Operation Time



Ahlen, Germany
Location





Evershining Ingredient Power Station Project, Thailand

The installation provides over 810kW of power to spread over an area of 8,820 sqm. This is the 1st Vertex DE21 module project in Thailand as well as the first rooftop project in Thailand using such high power modules.



210 Vertex
670W Series/ Backsheet
Modules



810 kW
System Scale



February, 2022
Commercial Operation Time



Samut Songkram, Thailand

Location





2MW C&I Rooftop Project in Shandong, China

On a big-scale factory rooftop in Linyi, Shandong, 2MW C&I project has been successfully installed! The total installed rooftop area is around 40,000m². The project has utilized 210 Vertex 600W+ ultra-high power modules and will complete grid connection before the end of 2021.



210 Vertex
600W Series/ Backsheet
PV Modules



2MW
System Scale



December, 2021
Commercial
Operation Time



Linyi, Shandong
Location





Beijing BAXY Factory 1.2MW C&I Rooftop Project

The factory roof of Beijing Ailai Faxi Food Co., Ltd., located in Jinma Industrial Park, Shunyi District, Beijing, is also installed with 600W+ ultra-high power modules, became the first 600W+ distributed C&I rooftop project in Beijing. The project uses Trina Solar's 600W+ ultra-high power modules and Huawei inverters, with a total installed capacity of 1.2MW. The entire photovoltaic power station is connected to the national grid at 380V voltage, and the consumption method is "self-generated and self-consumption, while rest of the electricity is connected to the grid".



210 Vertex
600W Series/Backsheet
Modules



1.2MW
System Scale



Dec,2021
Commercial
Operation Time



Shunyi District, Beijing
Location





Tianneng Group 21MW C&I Rooftop Project in Huzhou

On the factory roof of Zhejiang Tianneng Group, the 210 vertex series 600W+ modules look spectacular. Around 10MW of C&I distributed photovoltaic projects include the first and second phases will be completed soon, and the overall project scale will reach 21MW. It is planned to be connected to the grid in the spring of 2022. This large blue power plant will provide a steady stream of green energy for Tianneng Group.



210 Vertex
600W Series/Backsheet
Modules



21MW
System Scale



Dec, 2021
Commercial
Operation Time



Huzhou, Zhejiang Province
Location





Residential project in Yiyuan county, Zibo, Shandong

This scattered county is located in Yiyuan county, Zibo, Shandong. From one rooftop to more, this small village at the foot of the mountain will be gradually equipped with photovoltaic panels, turning itself into a "Photovoltaic Village". The residents here can earn extra income directly through grid connection for over 10,000 RMB each year. All 210 Vertex 600W+ ultra-high power modules used in this project are connected to the intelligent cloud platform. Customers can view their benefits by a single click at home. Trina Solar ultra-high power modules bring more power generation, more returns and less cost to customers, to build a more beautiful green village.



210 Vertex
600W

PV Modules



21.6kW

System Scale



December, 2021

Commercial Operation Time

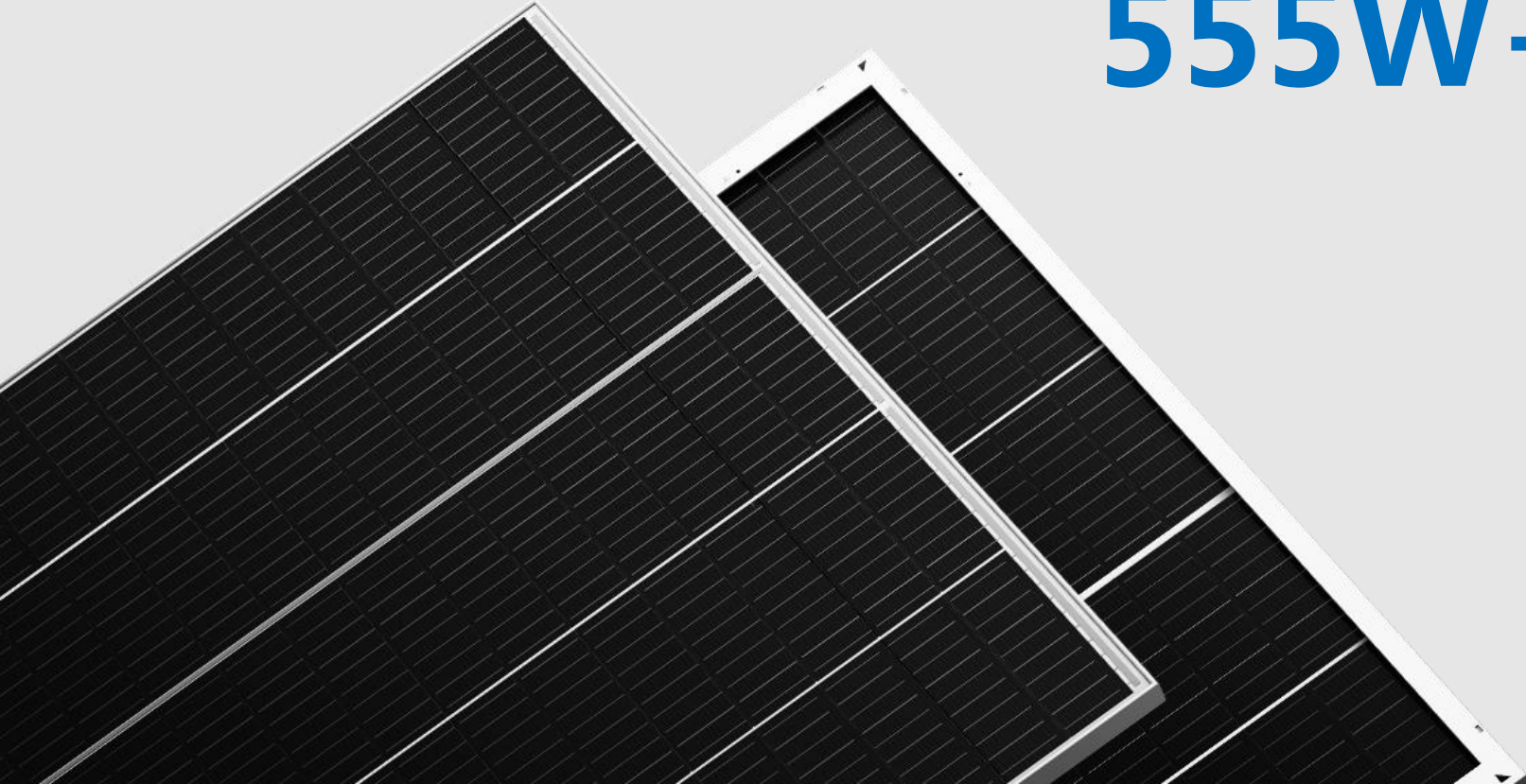


Zibo, Shandong

Location



555W+ Reference Project





Nangong Guoshun 400MW Agricultural PV Complementary Project

The project is located in about 40 natural villages in Nangong City, Duan Lutou Town and Minghua Town, where Trina Solar 210 modules and trackers form the strongest combination, eliminating the difficult pain point of mismatch of modules and trackers that plague customers, and embedding "Trina Blue" into this vast rural land.



210 Vertex
555W Series/ Bifacial
PV Modules



400MW
System Scale



Vanguard 2P
Trackers



Nangong, Hebei
Province
Location





Luotian 100MW Agro-solar Hybrid PV Power Generation Project

The project covers an area of 2,400 mu, with a total project investment of about 600 million RMB. It is expected to generate 110 million kWh of electricity on average per year, saving 42,000 tons of standard coal and reducing carbon dioxide emissions by about 104,500 tons per year. The project adopts high-current inverter, which is perfectly adapted to the Vertex module, not only realizing higher power generation and safer operation, but also excellent performance in weak power stability and intelligent operation and maintenance.

After full verification in the market, the high-current inverter not only can match, but also has more advantages with the matching application of 210 modules, which can give full play to the high-efficiency power generation advantages of ultra-high-power modules.



210 Vertex
555W Series/ Bifacial
PV Modules



100MW
System Scale



Year 2021
Commercial
Operation Time



Huanggang, Hubai
Province
Location



Hebei Shijiazhuang Lingshou County Agricultural and Solar Power Generation Project

This project is the first landing application of 210 Vertex ultra-high power modules in PV agricultural projects. Due to the use of ultra-high power modules, the number of pile foundations is significantly reduced, shortening the construction time and greatly reducing the construction cost, thus significantly reducing the overall cost of the power plant. According to the estimation, the BOS cost of the project can save 0.13 Yuan/W, and the BOS cost of the whole project can save 6.5 million.



210 Vertex
555W Series/ Bifacial
PV Modules



50MW
System Scale



Dec, 2020
Commercial Operation Time



Lingshou, Hebei
Province
Location





Xinjiang Urho PV Power Generation Project

Based on the total installed capacity, tilted surface irradiation, system efficiency and nominal efficiency decay of PV modules, the average annual power generation of the PV power plant is calculated to be 85,623,800 kWh, with an average annual utilization hour of 1711.3h and a total power generation of about 2.14 billion kWh in 25 years. From solar resource utilization, power system supply and demand, project development conditions and the overall planning of this PV power plant project, it can increase the power supply to local power companies, promote sustainable regional economic development, promote energy and power structure adjustment, improve ecology, protect the environment and promote local economic development.



210 Vertex
555W Series/ Bifacial
PV Modules



50MW
System Scale



Dec, 2020
Commercial Operation Time



Karamay, Xinjiang
Location



Guantian Reservoir PV Power Generation Project in Guangdong

The project is located in Guantian reservoir in Suixi County, Zhanjiang, Guangdong, invested and constructed by Guangdong hydropower. This project has completed grid connection with full capacity in 2021, using 210 Vertex 555W modules. It covers a total area of about 540 mu and is divided into 15 photovoltaic subarray units. The average annual power generation is expected to be 59.71 million kWh, and the average annual utilization hours is expected to be 1194 hours in 2025.



210 Vertex
555W Series/ Bifacial
PV Modules



50MW
System Scale



June, 2021
Commercial Operation Time



Zhanjiang, Guangdong
Location





Residential project in Sri Lanka

Sri Lanka, meaning "A Land of Brightness and Abundance" in Sinhala, is known as the "Pearl of the Indian Ocean". The breathtaking scenery here mirrors the high performance and beautiful design of the Vertex distributed modules from Trina Solar. The project shown in the picture is located on a residential rooftop in Sri Lanka using Trina Solar's Vertex 550W modules. "This project generates a monthly income of 57,000 Sri Lankan rupees, equivalent to approximately 1,800 RMB," according to the house owner.



210 Vertex
555W Series/ Backsheet
PV Modules



22kW
System Scale



April, 2021
Commercial
Operation Time



Sri Lanka
Location





C&I Project in Palestine

A 100kW C&I rooftop solar project is also established with our Vertex 550W modules. Clients are highly satisfied with the excellent performance of our products. “We take Trinasolar as our most reliable partner, the product and service are always in high quality and standard, we look forward to the next cooperation with Trina!”



210 Vertex
555W Series/ Bifacial
PV Modules



100kW
System Scale



June, 2021
Commercial
Operation Time



Palestine
Location





Daxing biomedical institution, Beijing

On 7th June, a C&I PV project was officially connected to the grid for power generation in Daxing biomedical institution, Beijing. The project contains a total installed capacity of 1.4MW. This project can allow owners to utilize self-generated electricity while connecting the unused electricity to the grid for extra income. The average annual power generation is expected to be 1.48 million kWh, which can reduce 1475.6 tons of carbon dioxide and save 463.2 tons of standard coal per year.



210 Vertex
555W Series/ Backsheet
PV Modules



1.4MW
System Scale



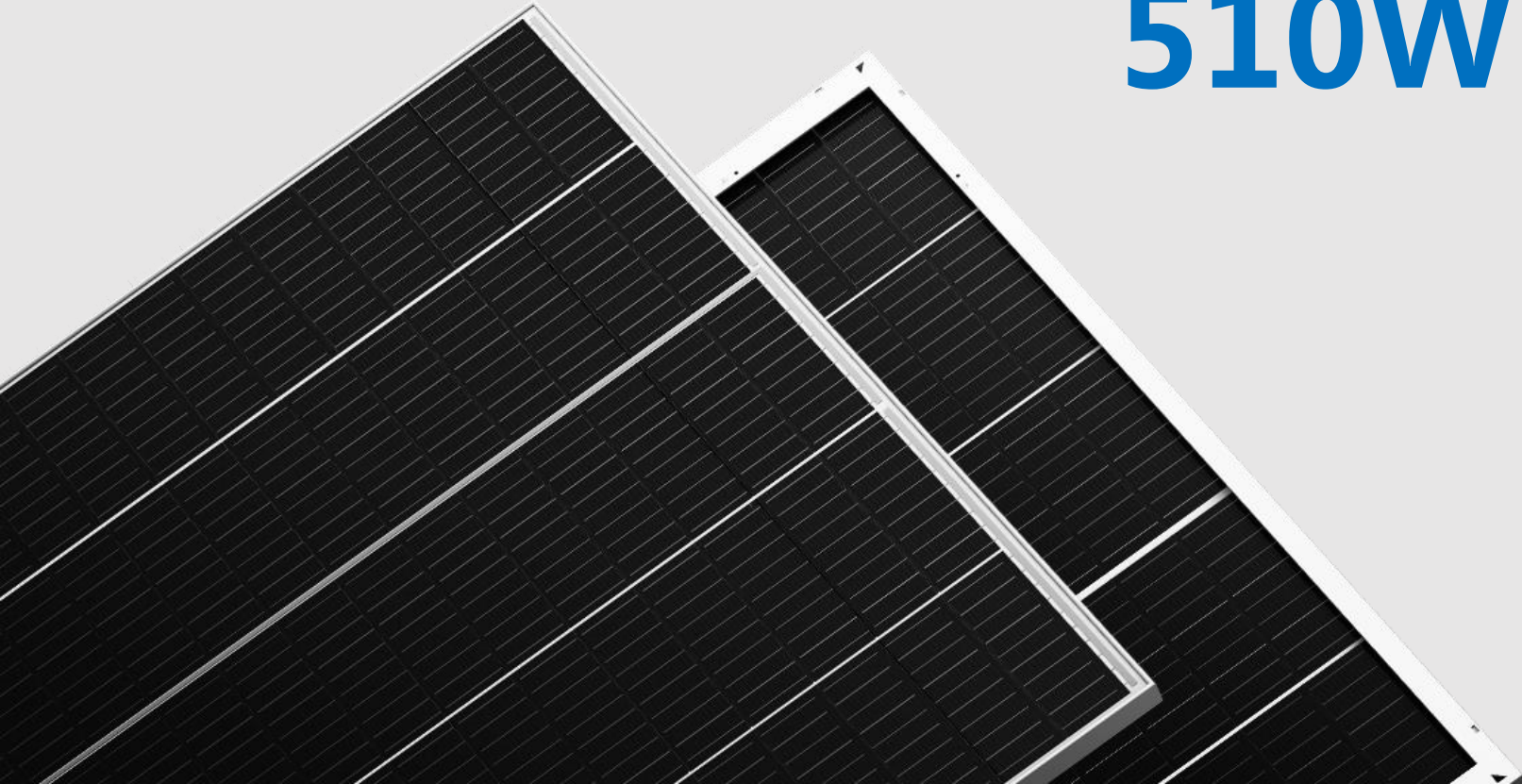
June, 2021
Commercial
Operation Time



Beijing
Location



510W+ Reference Project





Shanxi Yulin Affordable Photovoltaic Power Plant Project

The project uses all Trina Solar's Vertex Series bifacial modules. The project covers an area of approximately 2,300 mu, and construction began in September 2020, with the project connected to the grid on December 10 - all in just 100 days. Since the grid connection, the daily power generation at the beginning of January this year has reached 600,000 kWh, and the power generation during the best generation time will be even higher, exceeding expectations by 40%.



210 Vertex
510W Series/Bifacial
PV Modules



100MW
System Scale



Dec, 2020
Commercial Operation Time



Yulin, Shaanxi
Province
Location





Sembcorp Tengeh Floating Solar Farm , Singapore --One of World's Largest Inland Floating Solar PV Systems

The project fitted with 122,000 Trina Solar 210 Vertex dual-glass modules has officially opened in July 2021. Owned by Sembcorp Floating Solar Singapore, a wholly-owned subsidiary of Sembcorp Industries, the Farm is a global showcase of excellent operational performance, innovation and reliability in floating solar photovoltaic (PV) systems.

At 60MWp, the floating solar PV system will generate enough energy to offset about 32 kilotons of carbon emissions annually, the same as taking 7,000 cars off the roads.



210 Vertex
 510W Series/ Bifacial
 PV Module



60MW
 System Scale



July, 2021
 Commercial Operation Time



Tengeh Reservoir,
 Singapore
 Location





Vietnam Dam Tra O Solar Energy Factory Project

Trina 210 Vertex modules have gained fame and taken root in countries along the "Belt and Road", not only bringing clean power products to the "Belt and Road" related countries, but also vigorously promoting the pace of energy transformation in each country and helping them achieve green and leapfrog development. The company has not only brought clean power products to the countries along the "Belt and Road", but also vigorously promoted the pace of energy transformation in each country, bringing them a boost to achieve green and leapfrog development.



210 Vertex
510W Series/ Bifacial
PV Modules



50.6MW
System Scale



Year 2020
Commercial Operation Time



My Loi Commune,
Phu My District
Location





Vietnam Vinh Long Photovoltaic Power Plant Project

The efficiency of 210 Supreme modules can reach up to 21%. With the advantages of high power and low voltage technology, it can significantly reduce the number of modules and strings, which in turn reduces the amount of pile foundation and construction time, achieving the goal of reducing cost and saving land. Based on the above advantages, BCG, the project owner, personally specified Trina 210 Supreme modules for supply, becoming a classic case of Chinese PV spreading green in Vietnam. The project is expected to generate 67,368MWh of electricity annually, which can meet the annual electricity demand of 35,700 local households.



210 Vertex
510W Series/ Bifacial
PV Modules



49.3MW
System Scale



Dec, 2020
Commercial Operation Time



Nha Trang City, Khanh
Hoa Province, Vietnam
Location





40MW Distributed Project in Vietnam

Vietnam has a tropical monsoon climate with an average annual temperature of about 24° C and an average annual rainfall of 1,500 to 2,000 mm. Trina Solar's 210 Vertex modules are designed with the weather resistance of the modules in mind, and the products ensure high reliability from product design, raw material control, and production processes.



210 Vertex
510W Series/Backsheet
PV Modules



40MW
System Scale



Y2020
Commercial Operation Time



Ho Chi Minh City, Vietnam
Location





1MW Distributed Project in India

The whole area of India is hot, most of which belong to the tropical monsoon climate. It is the fifth largest photovoltaic installation country in the world. The project is located on the roof of a factory in the industrial city of Coimbatore in southern India. At present, the global order volume of Trina Solar's 210 Extreme Distributed Module products has broken through 4GW. For industrial and commercial and residential rooftop scenarios, it has been favored by overseas distributors and customers and received wide acclaim.



210 Vertex
510W / Backsheet
PV Modules



1MW
System Scale



Y2020
Commercial Operation Time



Coimbatore, India
Location





177kW Distributed Project in Pakistan

The project locates in Anwar Khawaja Industries, Pakistan. The project used Trinasolar Vertex 510W module. The project owner has expressed the appreciation toward Trina Solar for the high-quality products and service.



210 Vertex
510W Series/ Bifacial
PV Modules



177kW
System Scale



Year 2020
Commercial
Operation Time



Pakistan
Location





Lishui C&I Project

The project's design takes into account the owner's limited roof area and large electricity demand, and adopts a "herringbone" design with east-west orientation, and a BIPV design for the top of the stairwell to achieve the maximum installed capacity within a limited area. In terms of installation, the version design of the Vertex module makes the construction process reduce the number of secondary transportation, effectively reducing the cost of brackets, saving construction time, and better achieve the owner's demand for cost reduction.

After calculation, using 210 500W modules compared to conventional 166 series 450W modules, the cost of the system can save at least 8 cents per watt, while the owner's project return on investment is increased by at least 0.5%.



210 Vertex
510W Series/ Backsheet
PV Modules



400kW
System Scale



Feb, 2021
Commercial Operation Time



Lishui, Zhejiang
Province
Location



C&I project in Bufeng Township

The solar town project in Jiangsu Province utilizes residential rooftop resources to install 3.43kw solar modules per rooftop. The project has optimized the available rooftop resources and reduced the electricity cost, the total installation capacity has reached up to 1.24MW, which provides 1200-degree free electricity. The project has contributed to the enhancement of local economic and social benefits greatly.



210 Vertex
510W Series/ Backsheet
PV Modules



1.24MW
System Scale



Mar, 2021
Commercial Operation Time



Yancheng, Jiangsu
Province
Location





C&I project in Anhui, China

In the morning of 19th, July, the 9MW distributed solar plant by Ma'Anshan Iron and Steel Co., Ltd has successfully completed grid connection. The first year power capacity is up to 9,761,400kwh and the annual average power generation is around 8,758,000kwh within the overall lifecycle. The carbon emission will be reduced by 8,687,98 tons annually. The project has made huge contribution to accelerating corporate's energy structure upgrade, increase energy efficiency and achieve green and clean production.



210 Vertex
510W Series/ Backsheet
PV Modules



9MW
System Scale



July, 2021
Commercial Operation Time



Ma'anshan, Anhui
Location





Distributed Plant project in Gunma, Japan

Gunma county is known as the 3rd section in the Tokyo 2020 Olympic Torch Relay with a solid agricultural background. Trina Solar collaborated with Gunma on Ora-Cho High Voltage smart farm project using 210mm Vertex 510W+ modules. This project continuously provides green energy for local agriculture. Taking account of Gunma county's topography disadvantages, the difficulty level of completing PV projects is quite high. Thanks to the reliability and effectiveness of our modules, Trina Solar still managed to succeed in installation and execution.



210 Vertex
510W Series/ Bifacial
PV Modules



477.75kW
System Scale



March, 2021
Commercial Operation Time



Gunma, Japan
Location





Distributed Plant Project in Saitama, Japan

In Saitama prefecture, we built a 477.75kW Smart Farm project using our Vertex distributed modules. This project provides reliable green energy for local industrial depots and facilities. The first year power generation is around 589 thousand kWh, The total power generation can reach to 16.22 million kWh over 30 years.



210 Vertex
510W Series/ Bifacial
PV Modules



477.75kW
System Scale



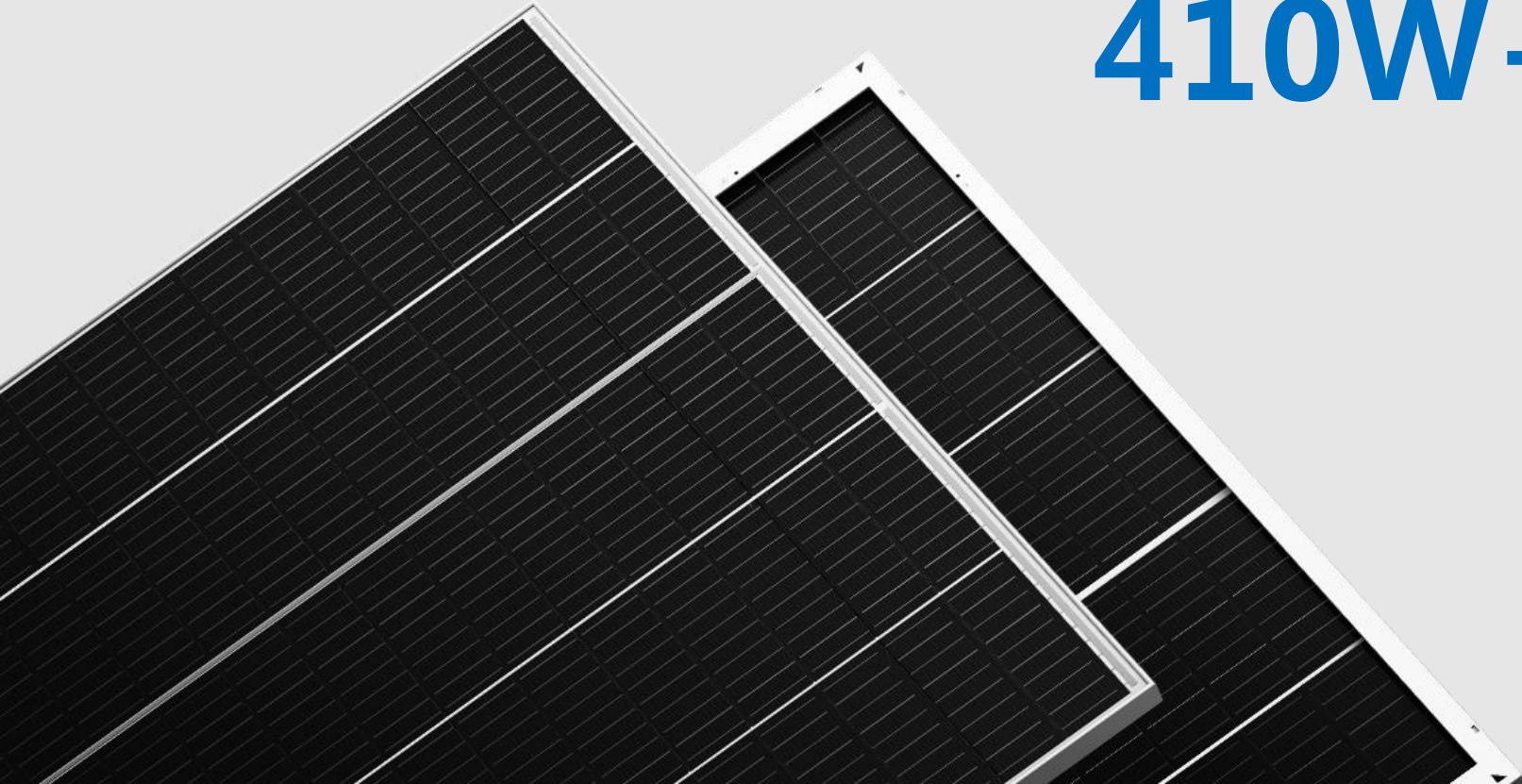
April, 2021
Commercial
Operation Time



Saitama, Japan
Location



410W+ Reference Project





Belgium C&I project

The project is located in Belgium, Europe, cooperates with GPC Europe (Grid Parity Concepts Europe). The project uses Trina Vertex 410W modules (Vertex S) black frame version. This 520 modules project (flat roof) was an industrial project and has completed grid connection. The first year power capacity is up to 192,000kwh and the annual average power generation is around 174,000kwh within the overall lifecycle. The carbon emission will be reduced by 4,383 tons annually.



210 Vertex
410W Series/ Backsheet
PV Modules



208kW
System Scale



Year 2021
Commercial
Operation Time



Belgium, Europe
Location





C&I Project in Belgium, Europe

This C&I project locates on a factory rooftop in Belgium, Europe, which is the headquarter of EU. This project uses Trina Solar Vertex S, project scale is around 308kW and has completed grid connection. This project is completed under the cooperation between Trina Solar and GPC Europe (Grid Parity Concepts Europe)



210 Vertex
410W Series/ Backsheet
PV Modules



308kW
System Scale



Year 2021
Commercial
Operation Time



Belgium, Europe
Location

