

Tongwei s layout in the field of solar container





Overview

The 908 technology, Tongwei's 0BB technology, utilises a multi-busbar layout and flexible cell connections to create higher power output, lower internal stress, and a 30% reduction in cell microcrack risk. Tongwei entered the industry of photovoltaics (PV) in 2006 and has experienced rapid development for over 10 years. Currently, its business scope covers high-purity crystalline silicon production in upstream, high-efficiency solar cell production in midstream, and photovoltaic power plant construction and operation. The TNC series, first launched in 2024 and then iterated to a 2.0 version in 2025, has set new standards for high-efficiency cell architecture, pushing mass-produced module output above 700W. According to Allen Xue, vice president of sales & marketing at Tongwei, this "dual-speed" strategy of. After years of twists and turns in its development, China has emerged as the world's largest manufacturer and exporter of PV products, with the most comprehensive, systematic, and advanced PV value chain. A significant volume of high-quality PV products is continuously installed and operational. Tongwei Solar, the world's largest polysilicon manufacturer and a leading supplier of solar cells, has ventured into solar module manufacturing. Its product lineup includes PERC, TOPCon, and HJT technologies, offering a diverse range of products tailored to meet customer demands. As of the end of. At its core, TONGWEI's global distribution network operates as a highly integrated, multi-modal logistics system designed to ensure the seamless flow of its high-purity crystalline silicon and solar cell products from its massive manufacturing bases in China to customers across the globe. This. Tongwei New Energy is the terminal investment platform of PV industry, with "PV Changes the World" as its core concept. It takes Tongwei New Energy, Tongwei New Energy (Shenzhen), and Tongwei New Energy Technology (Beijing) as the main entities to focus on the investment and development of.



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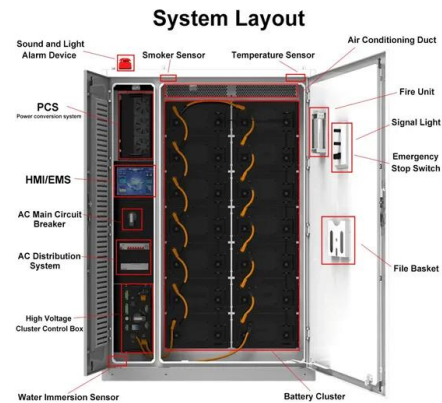


Ranking Among the Top 5 Global Module Suppliers , Exploring Tongwei's

2025-12-06 A Visit to TW Solar for Investigation by a Delegation Led by Liu Zhenmin, China's Special Envoy for Climate Change 2025-12-05 Tongwei Invited to Attend the 8th International Silicon ...

Investors

Tongwei helped make fish accessible to urban and rural residents, devoted to sci-tech innovation to help people get rich through fish farming, realized "intelligent manufacturing" of high-purity crystalline ...



Producing Advanced Solar Cells at the 100GW+ Manufacturing ...

Tubular PECVD technology, developed by Tongwei and Nantong University/Leadmicro has been twice featured in the annual and monthly cover articles of Progress in Photovoltaics (PIP).



Discover Tongwei Solar: A Global Leader in Solar ...

Notably, Tongwei Solar broke the record for HJT module power and conversion efficiency for the eighth time in 2024, demonstrating its continuous drive for ...



Technology Innovation

Technology Center of Yongxiang Co., Ltd.
Yongxiang Co., Ltd., a subsidiary of Tongwei Co., Ltd., has three provincial-level R& D platforms: Sichuan Provincial Polysilicon Engineering ...



For Better Life

For Better Life - Tongwei Group
Tongwei Group is a large multinational group company deeply engaged in green agriculture and green energy. It currently has nearly 400 branches and subsidiaries across ...



Forging Ahead in 2025 , Tongwei's Annual Keyword: Setting Sail for

In 2024, Tongwei's high-efficiency modules made a remarkable appearance at notable PV events such as Energyyear ESPANA 2024 in Spain, WFES in Abu Dhabi, Intersolar in Germany, the All-Energy ...





Forging Ahead in 2025 , Tongwei's Annual Keyword: Technological

In addition, Tongwei's N-type TBC modules exceeded 655 watts in a batch-based R& D initiative, and the perovskite/c-Si tandem solar cells achieved a maximum efficiency of 33.98%. Tongwei Modules ...



STCNTongwei Steps on a Brilliant Path Driven by Technological

Tongwei's independently developed "high-efficiency N-type TOPCon solar cells" have been recognized as a "First (Set of) Major Technical Equipment in Sichuan Province" by virtue of its technological ...

Tongwei Company

Tongwei Company (Tongwei; Chinese: 通威; pinyin: Tongwei Gufèn Youxiàn Gōngsī) is a publicly listed Chinese energy and agricultural company headquartered in Chengdu. The company is ...



Tongwei Co., Ltd.,

Tongwei, For Better Life Home Products & Solutions High-purity Crystalline Silicon High-efficiency Cells High-efficiency Module Products High Efficiency and Reliability from Proven Modules Application ...



Special Edition Tongwei Solar's Module Products Overview

Tongwei Advances with Diverse Cell Tech and Value Chain Growth Tongwei Solar, the world's largest polysilicon manufacturer and a leading supplier of solar cells, has ventured into solar module ...

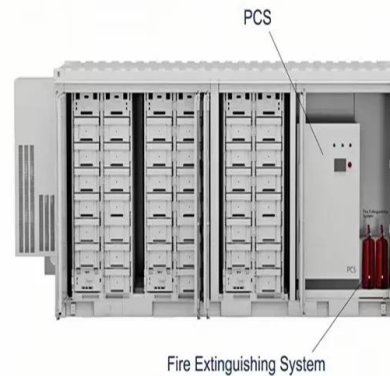


STCNTongwei Steps on a Brilliant Path Driven by Technological

Based on the National Enterprise Technology Center, Tongwei has established an industry-leading and comprehensive research platform, and continuously explores and innovates in key areas such as ...

How does TONGWEI's global distribution network operate?

At its core, TONGWEI's global distribution network operates as a highly integrated, multi-modal logistics system designed to ensure the seamless flow of its high-purity crystalline silicon and solar cell ...



What's the electrical layout for large Tongwei Solar installations

When it comes to planning the electrical layout for large-scale solar installations, understanding the specifics is crucial. Given the scale of the projects, efficient design becomes a priority. A typical solar ...



PV Solutions

Orientated to market demand, it focuses on distributed PV, PV-storage-charging integration, source-grid-load-storage / microgrid, committed to providing customers with high-quality full-process solutions for ...



TONGWEI WHITE PAPER

Designed towards optimization based on the traditional 182-72 products, rectangular wafer modules are equipped with Tongwei's high-efficiency TNC technology and excellent design, thus bringing bigger ...

The disruptive logic behind Tongwei's rapid rise

The 908 technology, Tongwei's 0BB technology, utilises a multi-busbar layout and flexible cell connections to create higher power output, lower internal stress, and a 30% reduction in ...



Time Finance , A Visit to Tongwei 5G Factory: An Interview with the

In the PV field, Tongwei Co., Ltd. has made industry-leading achievements in high-purity crystalline silicon, solar cell and module technologies, and has continuously made technological ...



"Go big for the bigger market!" Tongwei Accelerates European Module

This year, for the European market, Tongwei has launched a new TNC-G12/G12R module series, which continues the consistent high-quality tradition of Tongwei genes, and has achieved full power ...



Standard 20ft containers



Standard 40ft containers

Technology Innovation

Research directions include high-efficiency crystalline silicon cells and materials, high-efficiency and high-reliability modules, photovoltaic testing and analysis, new technologies, etc., with a particular ...

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