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WWB is committed to promoting ESG / SDGS.





05

New and existing solar panels · Solar carport · System construction support for ZEH · solar cell module



Start with solar cell modules

A solar cell module system adds new value to your house.

It creates the energy used in your house. You can sell the surplus energy and earn revenue. Surplus power can also be stored in a solar cell module for emergencies.

You can promote decarbonization and contribute to the global environment. In the future, the use of EV cars parked

in car-port for as a house-battery will become standard.

Your life will be more comfortable, safe and convenient





We guarantee that the module conversion efficiency is 90% for the first 12 years, 83% up to 20 years, and over 80% up to 25 years.



Guaranty on operation of peripheral devices such as modules. mounts, power conditioners, and junction boxes





Power

Generation

Business

Procurement and sale of solar power generation related products

WWB as a trading company A wide selection of solar power generation related products

We have various types of products for various purposes, such as peripheral devices including power conditioners and cell modules, and accessories including cables. By freely combining such devices, we can offer a power generation system which is most suited to your purpose.

 Sales and purchase of power plants (low, high and extra high voltage)
Sales, purchase and brokerage of used power plants · Operation of our owned power plants · Acquisition and sales of ID and land Power plant construction





Operations assistant · Sales of remote monitoring system

Reliable O&M service

Providing a one-stop maintenance service

Using the latest remote monitoring system and digital management system, we provide thorough maintenance management. We promptly handle your power generation problems to minimize power generation losses and secure your profits from power sales.



Operation of our own power plants Stable profits from power generation contributes to sound corporate management

We own solar power plants and gain profit. There are only a few fluctuations in the profit by the market trend, and this is the stabl foundation for corporate management. In addition, we use the operational know-how, which we obtained from our power generation business, for our customers.

Sales of Used Generation Plants We handle used generation plants in excellent conditions all over Japan

We provide matching services for solar power plants by mediating between those who want to sell and those who want to buy. We loyally support our customers to the end, even if their ownership needs to be transferred for any reason.

06

Security management · Maintenance management · Power generation monitoring

Green energy business

WWB provides solar power cell modules with "Made in Japan" quality.

We promote Maxar[®] brand modules by VSUN

We, WWB are a module manufacturer and have developed our own unique business model with module manufacturing functions in our supply chain. The solar module that we manufacture and sell boast the highest output in the industry. We realize the high efficiency, long-term stability, and wide product lineup that is possible manufacturer-specific. Our solar module are applicable to various conditions, from ordinary detached houses to industrial mega solar power generation systems.



High Quality

The module production plant owned by our group company in Vietnam is certified as a high-tech plant by the Vietnamese government, as well as having the TUV license. Modules manufactured with "Made in JAPAN" quality have achieved a high reputation all over the world.

Feedback to Manufacturing

Since we handle the development and manufacturing of modules to the maintenance and operation of power plants, we can promptly fulfill any requests from actual operational sites. We quickly deliver high-performance modules that fulfill our users' wishes.

Various Product Development

Respond quickly to law changes and market needs, and to commercialize products are the strengths of our inhouse development. We support a variety of solar power generation conditions with a diverse product lineup.



for High Quality and

VSUN, a Group company of WWB

Together with our partners in the world, VSUN promote environment conservation and development of clean energy. We take the responsibility as a company toprovide green and clean energy to many people in the world and make contribution on global energy evolution and sustainable development.



We received EcoVadis bronze medal in 2021 for evaluation on social responsibility for companie





PV MODULE 2021・2022年 PVELより、 We were selected as "Top Performer" for the PV Module Reliability Scorecard.





Vietnam Sunergy (VSUN Solar) expanded the production to 3800MW in 1Q of 2023.

> Firm / brand VSUN Solar

Annual module capacity, MW/year

3,800

r-lem/ brand	Annual module capacity, MW/year	Firm/ brand	Annual module capacity, MW/year
ZNShine*	10,000	Leapto- Ene "y	2,000
Yingli*†	11,650	Jolywood*	3,000
Waaree*	9,000	Jinneng/ Jinergy	4,000
VSUN Solar*	3,800	Jinko*†	70,000
Ulica Solar	3,000	Jetion	2,500
Trina*†	60,000	JA Solar*†	51,000
Tongwei	14,000	Heliene*†	950
Suntech	15,000	Hanwha Q-Cells*†	12,400
Sunpro Power	2,000	Hansol Technics	-J00
Sumec/ Phono Solar*	4,000	First Solar*†	11,200
Solar-Fabrik	50	Exiom Group	700
Sharp	210	E / Solar Inc*	2,000
Seraphim	7,750	Eging*	10,000
Risen Energy*	25,000	DMEGC*	7,500
Renesola	3,000	Chint/ Astronergy*†	22,000
Recom†	1,200	Canadian Solar	31,400
Neo Solar Power/ URE	1,800	Boviet Solar*	1,500
Maxeon*	10,100	Anhui Huasun*	2,700
Luxen Solar	2,200	AE Solar*	1,600
Longi*†	80,000	Total	500.810

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Business

Aiming for the best in solar power generation

High-output, high-quality modules boasting the industry's highest conversion efficiency.



the international standards.

144cel 72cell 120ce More powerful

> Simple as just placing it in position Simple design
> All stainless steel



Development, design, manufacturing and sales of WWB's solar cell modules, Maxar fulfill

Maxar is widely used in solar power generation systems for general residential house roof, as well as in apartment, factories, commercial facilities, and mega solar power plants.



『楽でんくん』『楽でんくん2』 is Flameproof products, etc.Recommended product mark] acquisition.

The Rakudenkun series are portable power storage systems. You can use electricity anytime and anywhere.





You can provide generous backups.

* It varies depending on the model and environment, and is not guaranteed.





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