WWB Solar

Maxar® LIGHT-V

Maxar Photovoltaics Module <MAXAR>

Farm type

Solar Sharing Packege

>>>Utility model patent pending<<<

To the future of Japan, To the land of Japan. Combining "agriculture" and "power generation"!

Solar sharing was invented by CHO Technology Institute's Akira Nagashima, which is a technology to install solar power generation equipment in the upper space of agriculture while setting up pillars on agricultural land and continuing farming.
This invention case was patented in 2004 and is currently being disclosed to the public by "JP 2005-277038 Akira Nagashima Solar Power Generation System".
What kind of agricultural crops are suitable for solar sharing?
The photosynthesis speed of plants increases with increasing light intensity, and when the photosynthetic rate exceeds a certain range, the photosynthesis speed reaches saturation, and even if more light increases, it becomes irrelevant to the change in speed.
Solar sharing is a technique devised using this light saturation point and it is said that if the light shielding ratio is about 30%, it will not affect the growth of crops.
Some plants do not have a light saturation point like maize, but most plants have a light saturation point.
Crops with a light saturation point of 40 klx (kilo lux), which requires more sunshine, can be cultivated by adjusting the arrangement of solar panels.

Vinyl house exclusive system

Adopt flexible ultralight Maxar "LIGHT" module

MORE CHALLENGE

PLAN D SMD105M-2X12

24cell packege

Maximum output 105W

Effective conversion efficiency <JIS standard> 14.37%

Effective conversion efficiency <J-PEC standard> 17.9%

3.3kg

- Dimensions (mm): L1979 x W369 x D5 (20 *)
- Frame Color: Black
- Weight: 3.3 kg

* Including junction BOX

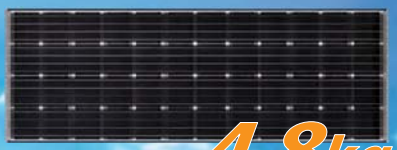
PLAN E SMD215M-4X12

48cell packege

Maximum output 215W

Effective conversion efficiency <JIS standard> 15.76%

Effective conversion efficiency <J-PEC standard> 18.3%



4.8kg

- External dimensions (mm): L1979 x W689 x D5 (20 *)
- Frame Color: Black
- Weight: 4.8 kg

* Including junction BOX

To change Japan, to utilize farmland

Vinyl house installation method which can be done because it is a super lightweight module

We will create new value and contribute to society.

WWB Corporation PV system group

http://wwwb.jp http://maxar.co.jp

★ Please note that specification may change without prior notice.

JPX

Abalance GROUP

We are the group company of Abalance

0120-365-821

Mobile phone and PHS is available Office open (Mon-Fri) 9:00 18:00

Maxar®
LIGHT-V
Maxar Photovoltaics Module <MAXAR>

Solar Sharing Package

WWB Solar

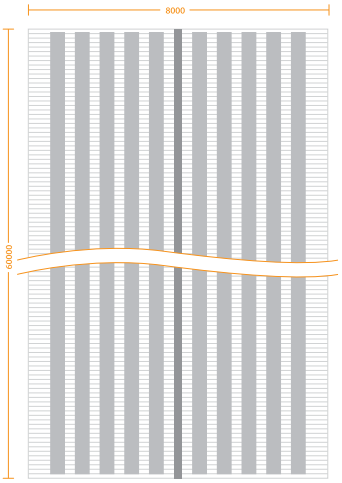
Solar Extra LIGHT Module System

Ultra lightweight module construction method that makes it easy to rebind vinyl sheets.
We have made it possible to correspond to the light saturation point suitable for the cultivated plant by increasing and decreasing the module.

PLAN D / 0.5 反

SMD105M-2X12

31.5kW system



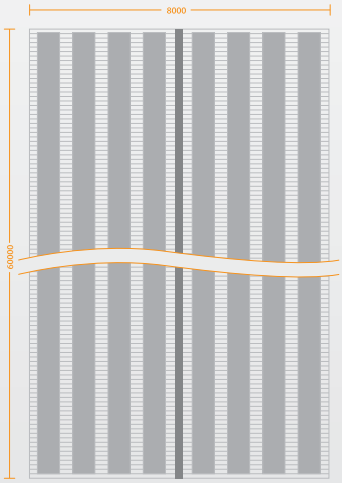
W E

Plan D / 0.5 anti SMD 105M-2X12
31.5 kW system
Plan D package contents
Module / MaxerSMART single crystal 24 cells 105 W x 300pcs
Power Conditioner / 5.9 kW x 4
Module fixing bracket / complete set
Other / string cable
* The plastic house itself is not included.

PLAN E / 0.5 反

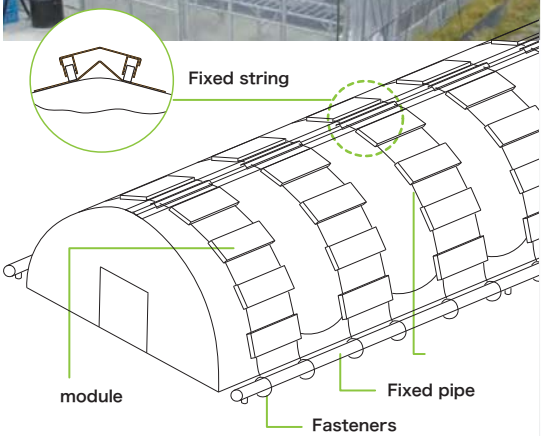
SMD215M-2X12

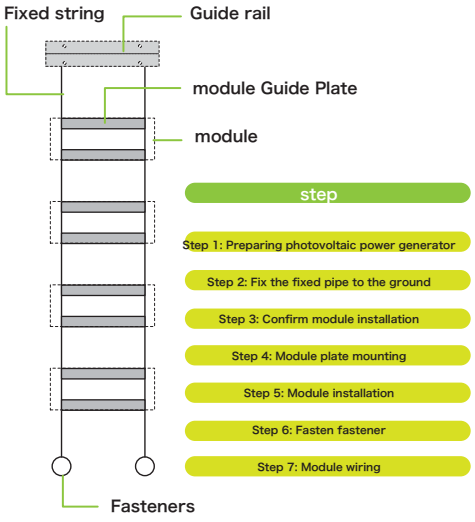
51.6kW system



W E

Plan E / 0.5 anti SMD 215 M - 2 X 12
51.6 kW system
Plan E package contents
Module / MaxerSMART single crystal 48 cells 215 W x 240pcs
Power Conditioner / 5.9 kW x 4
Module fixing bracket / complete set
Other / string cable
* The plastic house itself is not included.





step

- Step 1: Preparing photovoltaic power generator
- Step 2: Fix the fixed pipe to the ground
- Step 3: Confirm module installation
- Step 4: Module plate mounting
- Step 5: Module installation
- Step 6: Fasten fastener
- Step 7: Module wiring

Points for solar sharing commercialization

Farmland confirmation	Application classification	The presence of farmers	Status of farmland	Selection of crops	design	Application and planning
●Confirmation of landmark: paddy field / field / pasture land / abandoned field of cultivation ●Maff Condition: Collective farmland Target / Land improvement project plan	<Estimated required area> Low Voltage less than 50 kW 1,200 m 2 to 1,500 m 2 High Voltage / Extra High Voltage 1,500 m 2 or more		●Cultivating ●Abandoned land	Choose the best crop depending on the amount of solar radiation	●Land Survey ●Geological survey ●Allocated layout etc.	●Application for METI / Electric Power Company ●Submit agricultural plan

匝瑳 Mega Solar Sharing No. 1 Power Plant

・Installation location / Chiba prefecture 匝瑳 市 Iizuka ・Equipment capacity / 1,000 kW (1,198.2 kWp)
・Module / Maxar single crystal 115 W: 10,419 sheets ・Cultivated area / approximately 32,000 square meters
・Power sale start date / March 27, 2017 ・Cropped crop / soybeans, wheat

Inauguration ceremony held on April 3, 2017

We will create new value and contribute to society.
WWB Corporation PV system group
http://wwwb.jp http://maxar.co.jp
★ Please note that specification may change without prior notice.

JPX
Abalance GROUP
We are the group company of Abalance

0120-365-821
Mobile phone and PHS is available Office open (Mon-Fri) 9:00 18:00