

April 28, 2021

To the Press

Idemitsu Kosan Co., Ltd.
Solar Frontier K.K.

Completed Construction: Large-scale Solar Power Plant with a Power Generation Capacity of 58 MW in Akaiwa City, Okayama Pref.
- Japan's One of the Largest Mega Solar Power Plants with CIS Thin-Film Solar Cells Made by Solar-Frontier K.K. -

The construction of SF Akaiwa Solar Power Plant (Location: Akaiwa City, Okayama Pref.; Power generation capacity: 58 MW), in which Idemitsu Kosan Co., Ltd. (Head Office: Chiyoda-ku, Tokyo; Representative Director and CEO: Shunichi Kito) invests through its subsidiary RS Renewables K.K., has been completed. This power plant adopts CIS thin-film solar cells developed by Solar Frontier K.K. (100% subsidiary of Idemitsu Kosan Co., Ltd.; Head Office: Chiyoda-ku, Tokyo; President & CEO: Hiroshi Watanabe). Annual power generation is expected to be about 65,000 MWh, which is equivalent to the annual power consumption of about 13,000 ordinary households.*1



Panorama of SF Akaiwa Solar Power Plant

For the purpose of popularizing and expanding renewable energy, Idemitsu Kosan Co., Ltd. constructed SF Akaiwa Solar Power Plant (Land area: about 82 ha) in Akaiwa City, Okayama Pref., which has a large amount of solar radiation and few natural disasters throughout the year. This power plant adopts CIS thin-film solar cells developed by Solar Frontier K.K. (type SFK180-S: 180 W panels x 322,440), which is one of the largest CIS thin-film solar power plants in Japan. Solar Frontier K.K. also carries out operations and maintenance of the power plant.

Overview of power plant

1. Name: SF Akaiwa Solar Power Plant
2. Location: 1426 Kobara, Akaiwa City, Okayama Pref., etc.
3. Power generation capacity: 58 MW
4. Date of operation start: April 1, 2021
5. Business entity: Akaiwa Solar Energy GK.*2

*1: Estimated assuming 4,892 kwh/year per household. (Reference: "Display guideline (2020)" by Japan Photovoltaic Energy Association)

*2: Investment: RS Renewables K.K. 95%, JFE Technos Co., Ltd. 5%

Idemitsu Kosan Co., Ltd. and Solar Frontier K.K. will continue to promote a stable supply of energy and popularization and expansion of clean energy.

- Contact information -

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