



IKEA SENDAI JAPAN

ROOFTOP INSTALLATION

- "Smart energy" self-consumption installation for commercial use
- Electricity produced is directly used by store or supplied to emergency services
- Just one of a growing worldwide portfolio of IKEA stores with REC panels installed

479
kW
SYSTEM SIZE

500,000
kWh
ANNUAL CAPACITY

326
TONS CO₂
SAVED ANNUALLY



COMMERCIAL
INSTALLATION



REC solar panels help to power the IKEA store in Sendai, Japan. The system is also designed to enable IKEA Sendai to divert the energy generated to local emergency services and other points of need as necessary.



"The high quality of REC products, combined with the fact that REC panels are installed on the roofs of several IKEA stores around the world were also convincing factors."

MR. NOBUTAKA MIYAMOTO, IKEA JAPAN

IKEA, THE WORLD'S LEADING HOME FURNISHING RETAILER, has installed REC solar panels on the roof of its store in Sendai, Japan for a truly "smart energy" self-consumption solar installation.

The electricity generated by the 1,880 REC panels installed is directly used by the store to illuminate lamps and charge electrical vehicles inside such as forklifts, and also to power the store's security and ventilation systems.

Beyond that, IKEA takes the role of excellent corporate citizen to the next level, as the installation is also a microgrid; meaning that in emergency situations where the local surrounding area suffers from power outage, the energy generated by the REC panels on IKEA Sendai's roof can be instantly redirected to provide steady power supply to vital services such as schools, hospitals, and other local emergency support.



REC is the largest European brand of solar panels, with more than 15 million high-quality panels produced at the end of 2014. With integrated manufacturing from polysilicon to wafers, cells, panels and turnkey solar solutions, REC strives to help meet the world's growing energy needs. In partnership with a sales channel of distributors, installers, and EPCs, REC panels are installed globally. Founded in 1996, REC is a Bluestar Elkem company with headquarters in Norway and operational headquarters in Singapore. REC's 1,800 employees worldwide generated revenues of USD 680 million in 2014.

"We chose REC panels for the installation on the roof of our Sendai store because REC demonstrates a commitment to a long-term and sustainable partnership with IKEA Japan," said Mr. Nobutaka Miyamoto of IKEA Japan. "The high quality of REC products, combined with the fact that REC panels are installed on the roofs of several IKEA stores around the world were also convincing factors."

A pioneer, trend-setter, and leader in the shift towards going "green", the system in Sendai is just one in IKEA's growing portfolio of stores around the world that make efficient use of available rooftop real estate. REC panels are also installed on the roofs of multiple IKEA stores in Germany, Spain, and the USA, for example.

Japanese EPC company Godo Sangyo Co. needed only 3 months to construct and install the 479 kW system, which will help to offset 326 tons of CO₂ each year.

PROJECT OVERVIEW

IKEA
SENDAI

ROOFTOP SELF-CONSUMPTION INSTALLATION

Owner:

IKEA Japan

Location:

Sendai city, Miyagi prefecture, Japan

Type of Installation:

Commercial rooftop, self consumption

System Size:

479 kW

Solar Panel Type:

REC 255 PE

Number of Solar Panels Installed:

1,880

Annual Capacity:

500,000 kWh

Completion Date:

July 7, 2014

EPC:

Godo Sangyo Co.



www.recgroup.com