

## SolarTech Power Solutions

# Japan Osaka rooftop solar power generation system



## Overview

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In order to promote the widespread use of renewable energy and realize a carbon-neutral society, on April 1, 2022, Osaka Gas Co., Ltd. (President: Masataka Fujiwara, hereinafter "Osaka Gas") will launch "Sumai Roof," a service that allows customers living in existing and new detached houses in the service area of Osaka Gas to install a solar power generation system without any initial cost, and "Sumai Roof Plus," which includes the lease of a storage battery system as an optional service. Where will solar power be installed in Japan?

Under this agreement, solar power generation systems will be installed at Kansai International Airport and Osaka International Airport. With a total capacity of approximately 23.4 MW, this will be one of the largest onsite PPAs in Japan \*1. ORIX will begin supplying power to the airports in the spring of 2025.

What is the 'roof rental' business for solar power generation in Japan?

Japan: The "roof rental" business<sup>1</sup> for solar power generation is expanding to include ordinary residences. The "roof rental" business for solar power generation in Japan is gradually expanding to include ordinary residences as well as public facilities and commercial structures.

How many solar power plants does Orix own?

ORIX operates approximately 950 MW of renewable energy power generation businesses in Japan, and owns/operates approximately 100 land-based and 300 rooftop solar power generation systems \*2.

Does Orix have a power purchase agreement with Kansai Airports?

TOKYO, Japan - November 15, 2023 - ORIX Corporation ("ORIX") announced today that it has signed a power purchase agreement (PPA) with Kansai Airports. Under this agreement, solar power generation systems will be installed at Kansai International Airport and Osaka International Airport.

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### Launch of "Sumai Roof" and "Sumai Roof Plus," Free ...

Mar 29, 2022 · "Sumai Roof" is a service in which Osaka Gas installs a solar power generation system on the roof of a customer's house free of charge and supplies electricity generated by ...

## Rooftop Photovoltaic for Residential Electricity Self ...

...

Jan 5, 2025 · In Japan, the country's Sixth Strategic Energy Plan aims for solar PV to account for approximately 14-16% of its electricity generation by 2030, which equates to roughly 108 GW ...



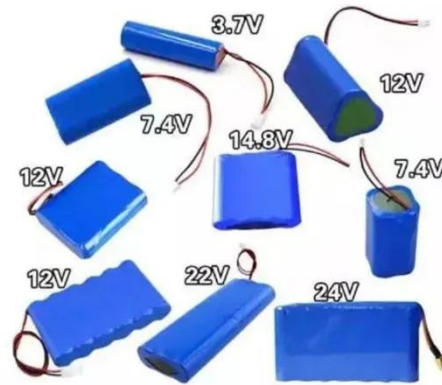
## NSR Japan 2020

Sep 9, 2021 · It is planned to install renewable energy power generation facilities such as PV systems and storage batteries to examine whether it is practical to deploy them on the isolated ...

...

## Guest Post: Solar Panels in Japan in 2023

Jun 1, 2023 · I contacted three different providers and asked each for an estimate for a solar power generation system equipped with a storage battery. Two of them provided me with two ...



## SOL Energy Begins Rooftop Solar Generation Business in ...

Sojitz, Daigas Group (an Osaka Gas group brand), SOGEC, and Loop will actively promote the spread of renewable energy through SOL Energy's rooftop solar power generation business, ...

## Solar Company in Osaka , Solar EPC Companies in Osaka , Solar

As a leading solar installation company in Osaka, we specialize in designing and implementing customized solar projects for residential, commercial, and industrial clients. Our team of highly ...



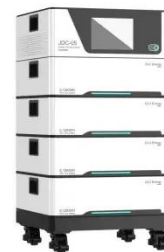


## Japan's largest rooftop solar plant to be built in Osaka

Jan 18, 2017 · ESR has announced that it will build a solar power plant with an output of about 7.5MW on the roof of a distribution center in Suminoe-ku, Osaka. It will be the largest-scale ...

## Japan's Path to Energy Independence: Rooftop Solar and EVs

May 28, 2025 · A recent study conducted by an international research team, including institutions such as Tohoku University and the University of Tokyo, has demonstrated that Japan can ...



## Japan Rooftop Solar PV Installation Market

Feb 14, 2025 · Japan aims to increase the share of renewable energy to 36-38% of its energy mix by 2030 which boosts the demand for rooftop solar PV installation market in coming years.

## One of Japan's Largest Rooftop Mega-Solar

## Projects to ...

Mar 6, 2023 · ORIX's solar power generation business involves its renting the roofs of warehouses, commercial stores, factories, and other facilities owned by its customers, and ...



## Japan: The "roof rental" business<sup>1</sup> for solar power ...

The "roof rental" business for solar power generation in Japan is gradually expanding to include ordinary residences as well as public facilities and commercial structures. Since the feed-in ...

## Rooftop Solar and EV Batteries Could Supply 85% of Japan's ...

May 25, 2025 · A new study led by Tohoku University has revealed that rooftop solar panels, when combined with electric vehicles (EVs) as batteries, could supply 85% of Japan's ...



## Solar energy in Japan

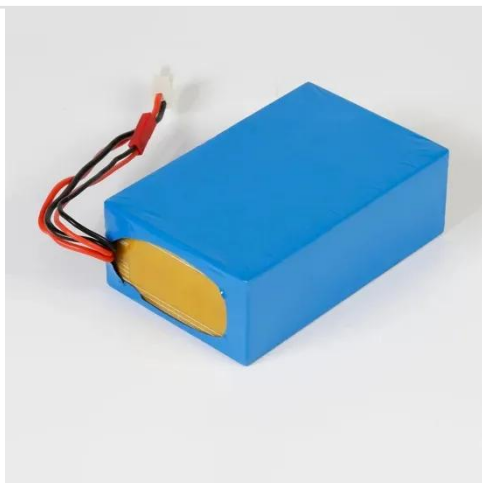




Aug 7, 2025 · Solar energy represents the largest energy-producing renewable energy source in the country. In fact, solar power stations had the highest number of renewable electric power ...

## November 15, 2023 Solar power generation facility KIX ...

Nov 15, 2023 · Kansai Airports Group is pleased to announce that a new solar power generation facility " KIX-ITAMI Sora x Solar\*1," will start generating and supplying power at Kansai ...



## SOL Energy Begins Rooftop Solar Generation Business in ...

Oct 22, 2021 · Sojitz, Daigas Group (an Osaka Gas group brand), SOGEC, and Loop will actively promote the spread of renewable energy through SOL Energy's rooftop solar power ...

## Japan's Solar Revolution: Powering the Future with

## Rooftops ...

May 23, 2025 · Rooftop PV could generate 1,017 TWh annually - exceeding Japan's total electricity generation in 2022. A PV-only system could supply an average of 45% of municipal ...



## PLANNED PHOTOVOLTAICS BASED SOLAR POWER AND ...

Dec 20, 2024 · Solutions are emerging to conquer solar power's shortcomings, namely, limited installation sites and low-capacity utilization rates. Japan is spearheading the development of ...

## Japan: The "roof rental" business<sup>1</sup> for solar power ...

The "roof rental" business for solar power generation in Japan is gradually expanding to include ordinary residences as well as public facilities and commercial structures.



## One of Japan's Largest Rooftop Mega-Solar





Voltage range: 691.2-947.2V

&gt;6000 cycles (100%DOD)

Rated battery capacity:  
216KWH (customizable)

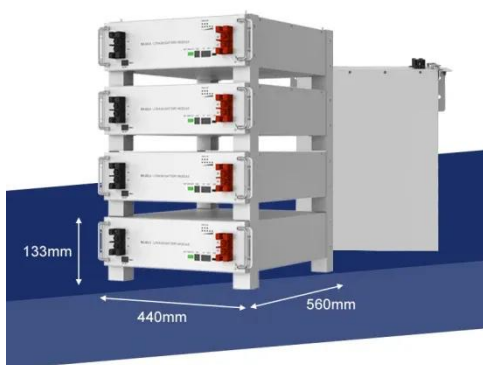
EMS communication:  
4G/CAN/RS485

## Projects to Commence

Aug 2, 2016 · ORIX Corporation ("ORIX"), a leading integrated financial services group, announced today that it is starting a rooftop mega-solar project, with a capacity of 2.75 MW. ...

## Initiatives by Osaka Gas and Prologis to Help Boost the ...

May 14, 2024 · Initiatives by Osaka Gas and Prologis to Help Boost the Installation of Rooftop Solar Power Plants --Signing an Agreement for Electricity Purchase from FIP Power Plants-- ...



## Japan's Solar Revolution: Powering the Future with Rooftops ...

May 23, 2025 · The widespread adoption of rooftop solar and EV batteries has the potential to transform Japan's energy landscape, reducing reliance on fossil fuels, lowering carbon ...

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<https://posecard.eu>