

# Nissan photovoltaic panels



## Overview

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YOKOHAMA, Japan — Nissan today announced that it will showcase a prototype vehicle equipped with an onboard solar power generation system at this month's Japan Mobility Show 2025. Named the 'Ao-Solar Extender,' the system has been installed on Japan's top-selling EV, the Nissan. The Ao-Solar Extender is the concept model of a solar-system designed to be mounted on the roof of the Nissan Sakura. Its name refers to the Japanese term "Aozora," meaning "blue sky," combined with "solar panel. System harnesses sunlight to add up to 3,000 km<sup>1</sup> of driving range annually. Project seeks to reduce dependence on the grid and enable effortless charging. The panels add up to 1,800 miles of range without charging. The electric vehicle sector is at a turning point as solar integration technology advances, with innovations emerging that could transform how EVs. As we've seen with Toyota's Prius Prime, putting a solar panel on a car's roof is a nifty idea but can only gain you a few free miles a day due to the limited size. (HANS GREIMEL/AUTOMOTIVE NEWS) Nissan to unveil the Ao.

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### Co-creative innovation: the Ao-Solar Extender , Innovation , Nissan

Realizing charge-free EVs by extending solar panels The Ao-Solar Extender is the concept model of a solar-system designed to be mounted on the roof of the Nissan Sakura. Its name refers to the ...

### Nissan Put Solar Panels On An Ariya EV. Here's How Much

Nissan Put Solar Panels On An Ariya EV. Here's How Much Range They Add It's a reasonable amount, but I wouldn't be planning any solar-powered road trips.



### Nissan Ao Solar EV soaks up the sun to recharge its batteries

Nissan to unveil the Ao Solar Extender concept with a slide-out solar roof. The extendable panel nearly doubles solar area, boosting charge-free driving range. Added mass and ...

### Nissan Reveals Roof-Mounted Solar

## Panel

Nissan plans to display a prototype vehicle featuring the Ao-Solar Extender, a roof-mounted solar power generation system, at this year's Japan Mobility Show.



### Nissan's EV solar roof can add 1,800 miles of free driving

Nissan installed the extendable, roof-mounted solar system, "AO-Solar Extender," on a Sakura prototype, which it plans to showcase at the Japan Mobility Show later this month.

### Nissan Leaf Solar Panels (Battery + Charging + Roof)

The Nissan Leaf is an amazing electric vehicle that allows you to use the sun's rays to power it. It is super easy to operate, low-maintenance, and has a design that doesn't let people know ...



### Nissan made a nifty solar panel system for its Sakura EV

With a new prototype of its hyper-popular Sakura "kei" EV, Nissan has the answer: a bigger solar panel roof called the AO-Solar Extender.



## Will Nissan's Solar Panels on Car Roof Change the EV Market?

Will Nissan's Solar Panels on Car Roof Change the EV Market? Nissan has unveiled a prototype Nissan Sakura EV with extendable solar panels on the roof. The panels add up to 1,800 ...

 TAX FREE    

### ENERGY STORAGE SYSTEM

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled





## Solar panels on any car -- the versatility of Lightyear's solar technology

Venray, 26th of January 2026 -- Lightyear announces a collaboration developed with Nissan to integrate advanced solar charging systems into a demonstration vehicle. What began in 2023 as a ...

## Nissan's Sakura gets a solar boost: Introducing the 'Ao-Solar ...

Extendable, roof-mounted solar system installed on Nissan Sakura Kei EV.

System harnesses sunlight to add up to 3,000 km1 of driving range annually.  
Project seeks to reduce ...



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