

February 6, 2026
KANEKA CORPORATION

Kaneka Selected for NEDO Green Innovation Fund Project for Manufacturing Technology and Demonstration of Next-Generation Tandem Solar Cells

Kaneka Corporation (Head Office: Minato-ku, Tokyo; President: Kazuhiko Fujii) has been selected for the Green Innovation Fund Project for Manufacturing Technology and Demonstration of Next-Generation Tandem Solar Cells (*1), implemented by the New Energy and Industrial Technology Development Organization (NEDO).

Kaneka is advancing the development of perovskite tandem solar cells, which combine a perovskite top cell with the company's heterojunction crystalline silicon solar cell as the bottom cell. (*2) By enabling each layer to absorb different wavelengths of sunlight, this next-generation solar cell delivers higher conversion efficiency than conventional crystalline silicon solar cells while maintaining high durability.

Under this project, Kaneka will conduct demonstration tests for residential applications such as ZEH (Net Zero Energy Houses) and for ZEB (Net Zero Energy Buildings), including installations on rooftops and exterior walls. Through these demonstration tests, the company will accelerate technological development toward the mass production of next-generation tandem solar cells.

Looking ahead, Kaneka will strive to achieve conversion efficiencies exceeding 40% and aims to realize power generation costs lower than those of conventional crystalline silicon solar cells. The company is planning to begin commercial sales of perovskite tandem solar cell products in FY2028.

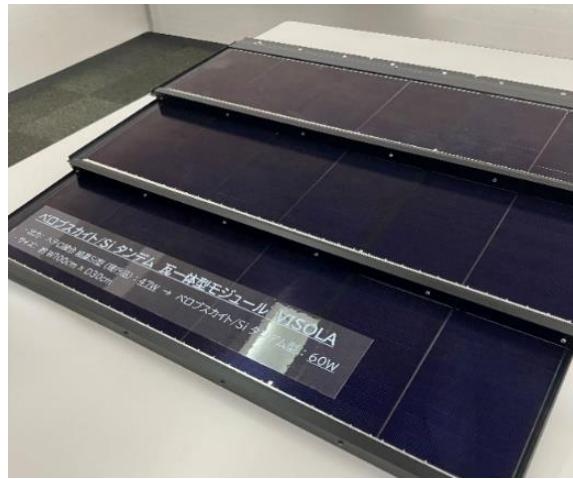
Based on our mission of KANEKA thinks "Wellness First", we are committed to creating a society where everyone can benefit from the blessings of nature and access clean, sustainable resources and energy. We contribute to local communities with total energy solutions using our environmentally friendly products such as solar cells and heat insulating materials.

(*1) Theme: "Development of Manufacturing Technologies and Demonstration for High-Efficiency, High-Reliability Perovskite Tandem Solar Cells"

(*2) Kaneka is a Japanese manufacturer capable of mass-producing high-quality crystalline silicon solar cells and has continued to advance the development of high-efficiency solar cell technologies.



Lightweight perovskite tandem solar module



Residential roof tile-integrated perovskite tandem solar modules