

August 29, 2025

To all members of the press

Cool Intelligence Co., Ltd.

For the first time in Japan, introducing Israel-developed ultra-lightweight solar panels to fit the load-restricted roofs

~With the mandatory adoption of renewable energy under Japanese Government Policy next year, such panel's demand is expected to grow, and Israel-developed ultra-lightweight panels are set to expand in the Japanese market~

Cool Intelligence Co., Ltd. (Minato City, Tokyo) will begin sales in Japan of the "ultra-lightweight flexible solar panels" manufactured by Apollo Power in Israel. This product, which can be installed on roofs with weight restrictions and special structures, is gaining attention as a new option to address renewable energy mandates to be introduced next year and reducing energy costs. The product will be revealed for the first time at the 24th Smart Energy Week [Autumn Event] in 2025, to be held at Makuhari Messe, Chiba Prefecture, Japan from September 17 (Wed) to 19 (Fri), 2025.

Cool Intelligence Co., Ltd. (Representative Director and President: Koji Yamamoto) (hereinafter referred to as "**Cool Intelligence**") has entered into a distribution agreement with SolarPaint Ltd. (CEO: Oded Rozenberg, Headquartered in Israel) (hereinafter referred to as "**SolarPaint**") to introduce ultra-lightweight, high-durability flexible solar panels into the Japanese market. This product is manufactured by Apollo Power Ltd.'s (same CEO and same headquarters in Israel) (hereinafter referred to as "**Apollo Power**") and will be sold through SolarPaint. Apollo Power has a track record of being adopted by global companies such as Amazon, Audi and VW, and has established a stable supply system by operating the world's first mass production factory dedicated to flexible panels.

Under this agreement, Cool Intelligence will begin providing Apollo Power's ultra-lightweight, high-durability flexible solar panels in Japan. Cool Intelligence will particularly promote solar panel installations on roofs with weight restrictions, contributing to the expansion of renewable energy and the realization of a sustainable society.

■Background

The Japanese government has announced plans to require certain factories, stores, and

public facilities to set targets for installing solar panels on their roofs starting in the year 2026 as part of its efforts to achieve a decarbonized society. This system will apply to approximately 12,000 businesses and facilities that consume 1,500 kiloliters or more of crude oil equivalent per year, and the introduction of rooftop solar power generation is expected to progress rapidly.

However, conventional solar panels are difficult to install on roofs with structural load restrictions, creating a barrier to adoption, which are expected to be the next-generation technology, are lightweight and flexible, but their practical application takes still some time away due to technical complaint issues and stable supply issue.

Additionally, rising energy costs have rapidly increased demand for In-house solar power generation for self-consumption among major companies, necessitating solutions that address both cost reduction and self-sufficient energy supply.

Against this backdrop, Cool Intelligence's ultra-lightweight flexible solar panels offer a practical solution that can accommodate roofs with weight restrictions, immediately addressing on-site challenges. Through this product, we aim to support both compliance with regulations and corporate's energy cost reduction strategies, contributing to the realization of a sustainable energy society.

■ Product Features and Benefits

Apollo Power's flexible solar panels achieve a weight of just 2.9 kg/m², approximately one-sixth that of traditional glass panels (approximately 15–20 kg/m²).

This ultra-lightweight design enables installation on roofs with weight restrictions, aging buildings, and temporary structures. Additionally, its flexibility allows it to accommodate curved surfaces and special structures, making it possible to install solar power systems in facilities such as factories, warehouses, and commercial buildings where installation was previously impossible.

Furthermore, the lightweight design enhances safety during installation, reduces construction time, and minimizes the load on buildings, providing a practical solution directly linked to renewable energy mandates and energy cost reduction.

■ Future Outlook

Through this distributor agreement, Apollo Power Ltd., will collaborate with Cool Intelligence Co., Ltd. to actively expand the deployment of ultra-lightweight flexible solar panels into a new market – Japan market.

Cool Intelligence expects that the introduction of this product will enable the integration of solar power systems on roofs with weight restrictions and special structures, which were previously where banned to install, significantly expanding the types of buildings that can

be accommodated with the solar panels.

This will provide new options for building owners and operators who previously had to abandon solar power installations due to the heavy and fragile conventional panels. This could be applied to factories, warehouses, commercial facilities, and temporary structures, etc. By promoting the adoption of solar power in these facilities, we aim to develop untapped markets, increase the available power generation capacity, and accelerate contributions toward achieving a decarbonized society.

■ Exhibition Participation Announcement

Cool Intelligence Co., Ltd. will participate in the 24th Smart Energy Week, [Autumn Event] in 2025, to be held at Makuhari Messe from September 17 (Wed) to 19 (Fri), 2025.

This exhibition, organized by RX Japan Co., Ltd., is one of the world's largest comprehensive exhibitions on new energy*, bringing together the latest technologies in solar power generation, hydrogen and fuel cells, wind power generation, smart grids, secondary batteries, and more.

*New energy resources include renewable energy resources such as solar power, wind power, biomass power, and geothermal power, as well as hydrogen energy, biomass fuels, and solar thermal energy.

At this exhibition, we will be showcasing the ultra-lightweight flexible solar panels manufactured by Apollo Power Ltd. in Israel for the first time in Japan. Through hands-on demonstrations of the actual products, visitors will be able to experience their flexibility, lightweight design, and high installation freedom.

This product is an innovative solution for businesses considering the installation of solar panels on roofs with weight restrictions or on buildings with special structures.

Please visit Booth No. E19-29 to explore the future possibilities of solar power generation.

Individual media interviews will be available on the day of the event. Please contact us in advance if you are interested.

■ About Solar Paint Ltd.:

SolarPaint is specializing in the development and sales of flexible solar panels under the Apollo Power brand. Led by inventor and CTO Eran Maimon, along with CEO Oded Rozenberg and COO Elad Saharbi, the company boasts a strong, multidisciplinary management team driving the practical application of innovative solar technology.

■ About Apollo Power Ltd.:

SolarPaint was founded in 2014 and joined Tel Aviv Stock Exchange on October 2017 (TASE:APLP).

The company develops innovative solutions and products in the solar energy field.

Our flagship product is the "Apollo Flexible Solar": flexible, light weight, durable and efficient solar Film designed to transform any surface under the sun into an electricity source.

The Apollo Flexible Solar can be applied on any surface to generate solar energy.

Apollo Flexible Solar is the solution for various markets and applications such as the automotive industry, floating solar, building integrated PV and in the future integrated roads.

SolarPaint is collaborating with world market leaders to manufacture and sell the Apollo Flexible Solar.

The SolarPaint's team consists of leading professionals, such as solar experts, top R&D personnel, manufacturing and marketing experts, engineers and manufacturing personnel.

On January 25th SolarPaint launched its new automated factory. The factory began the initial runs of the machinery, and now start the production with a rapid growth to reach full annual capacity of 190MW a year.

The company is listed on the Tel Aviv Stock Exchange (TASE) and is accelerating its global expansion leveraging its innovative technology and production capabilities.

■ About Cool Intelligence Co., Ltd.

Cool Intelligence Co., Ltd. was established with the aim of addressing environmental challenges through specialized business operations. The company contributes to the construction of a sustainable society by introducing innovative technologies in the field of renewable energy, including energy-saving and decarbonization through IoT and AI-based air conditioning control.

Going forward, the company will continue to accelerate its efforts toward achieving a decarbonized society by providing solutions that support the reduction of environmental impact and energy optimization.

In brief:

Company Name: Cool Intelligence Co., Ltd.

Representative: Representative Director and President - Koji Yamamoto

Location: 28th Floor, Building A , Shinagawa Intercity, 2-15-1, Konan, Minato City, Tokyo, 108-6028, Japan

Business Operations: AI-based air conditioning control system business, sales of ultra-lightweight flexible solar panels, etc.

Established: April 2025

URL: <https://www.coolintelligence.jp/>

■Contact

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Business Hours: Weekdays 10:00 AM to 5:00 PM