

NEWS RELEASE

Unendo Energia Italiana Opts For Solar Frontier's Optimized System Solutions

Solar Frontier's PowerSets und PowerSaver complete Unendo Energia Italiana's self-consumption solutions for homeowners and businesses

Munich, 19 February, 2015 – Solar Frontier and Unendo Energia Italiana, an Italian energy provider, have announced they are collaborating to provide solar energy systems that combine Solar Frontier's residential PowerSets and commercial PowerSaver with Unendo's storage solutions.

Already a distributor of Solar Frontier's PowerSets, Unendo Energia Italiana now provides residential customers with added-value by combining Solar Frontier's optimized systems with its CU-Q storage solution, enabling homeowners to generate and consume up to 93% of their own electricity.

Commercial customers benefit from similar advantages through Solar Frontier's PowerSaver, optimized PV solutions for self-consumption adapted to the specific needs of each business. Successful projects in Italy implemented by Unendo Energia Italiana show the advantage of combining these with Unendo's energy supply solutions: higher independence from grid-sourced electricity and, consequently, lower energy bills.

"In the last few years and especially since the end of the 'Conto Energia V', energy self-consumption has become increasingly important," said Giuseppe Pirola, Managing Director, Unendo Energia Italiana. "In such a market environment, systems that generate the highest possible energy output have become the main focus. Our experience shows that Solar Frontier offers the maximum level of optimization between modules and electrical components. On top of that, customers benefit from Solar Frontier's CIS technology, which generates high output even in unfavorable conditions. Combined with our intelligent storage device, CU-Q, our customers now have the opportunity to be independent, day and night, from external energy suppliers and price deviations."

Strengths that distinguish CIS from other technologies include high performance under low light conditions and partial shading, high temperature stability, and a boost in power output after initial exposure to sunlight – known as the "light soaking effect". The configuration of Solar Frontier's PowerSystems is designed to leverage these strengths, enabling CIS systems to start working earlier in the day and shutdown later in the evening. This means more energy produced under real conditions.

"Market development in the last few years has shown that it is the best system that wins the game", says Wolfgang Lange, Managing Director, Solar Frontier Europe. "Customers are realizing the benefit of optimized solutions in which components complement each other, resulting in the highest possible yields. The combination of our PowerSystems with Unendo's intelligent storage devices represent the optimal solution for residential and commercial customers, as they can generate their own energy at a lower price than offered by external providers."



Image 1: Solar Frontier's Residential PowerSet Solution available in Europe



Image 2: Unendo Energia Italiana's CU-Q storage solution

About Unendo Energia Italiana

Unendo Energia Italiana was founded in May 2012 with the objective of supplying private residences and businesses with solar power generated by its own photovoltaic energy installations. The philosophy of Unendo Energia Italiana is based on self-production, the consumption and direct sale of electricity from renewable energy sources. UEI manufactures systems for generating power from solar energy sources, thus guaranteeing greater energy efficiency and a lower environmental burden than the conventional power generation model. The mission of Unendo Energia Italiana is to search for the best technologies for exploiting available renewable energy resources.

About Solar Frontier

Solar Frontier K.K., a 100% subsidiary of Showa Shell Sekiyu K.K. (TYO: 5002) ("Solar Frontier"), has a mission to create the most economical, ecological solar energy solutions on Earth. Building on a legacy of work in solar energy since the 1970s, Solar Frontier today develops and manufactures CIS (denoting copper, indium, selenium) thin-film solar modules for customers in all sectors around the world. Solar Frontier's gigawatt-scale production facilities in Miyazaki, Japan, integrate compelling economical and ecological advantages into every module: from lower energy requirements in manufacturing to the higher overall output (kWh) of CIS in real operating conditions. Solar Frontier is headquartered in Tokyo, with offices in Europe, the U.S.A., and the Middle East. Visit <http://www.solar-frontier.eu/en/home/> and www.solar-frontier.com for more information.

Showa Shell Sekiyu K.K.

Showa Shell Sekiyu K.K. is listed on the Tokyo Stock Exchange and has roots dating back more than 100 years in the downstream energy business.

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