Case Study
SAVE ENERGY GROUP
Residential Rooftop Poole

Poole, United Kingdom

Solar Frontier´s CIS thin-film modules were installed during construction on new rooftops in the UK.

Site Overview

Location	Poole, United Kingdom
Coordinates	50.70° N, 1.92° W
Average global irradiance	1,100 kWh/m^2/yr
Average temperature	10.9 °C, 51.6 °F
Average precipitation	593 mm/yr, 23.3 in/yr

Technical Overview

Date onstream	End 2012
System capacity	2 x 3.6 kWp
Panel type	SF150-L (150 W)
Number of installed panels	2 x 24
Tilt angle, orientation	45°, 0° S
Expected output	4,018 kWh/yr (per system)
Total CO_2 reduction	2,262 kg/yr (per system), 4,987 lbs/yr (per system)
Inverter	Power One PVI 3.6 OUTD

Financing Bank

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"We are extremely pleased with the attractive installation of Solar Frontier CIS thin-film modules on our new build project in Canford Cliffs, Poole. The high performance expected in terms of energy generation was also a deciding factor in choosing these modules."

Ian Dunesby,
Director Colmar Construction

The Save Energy Group (SEG) specializes in renewable energy solutions, providing a first class design, consultancy and installation service to the residential sectors in Dorset, Hampshire, Wiltshire, Devon and across the South of England, and a nationwide service for commercial clients. SEG is not only dedicated to providing an exceptional, reliable and friendly service, they also aim to introduce leading innovative technologies to their client base, and provide independent advice whilst working very closely with leading manufacturers of renewable energy systems - all to ensure customers get the most efficient systems and best value for money.

Two turnkey 3.6 kilowatt systems were installed in the summer of 2012, south-oriented on two new-build properties in the location of Canford Cliffs, a suburb of Sandbanks in Poole, Dorset. It was proposed to incorporate a 24 Solar Frontier CIS thin-film based module system, arranged in groups of 12, as the product once again proved decisively competitive with conventional, crystalline modules.

The aesthetic values of the project location also made the all-black Solar Frontier modules more compelling than conventional crystalline. The Solar Frontier modules were installed using a built-in Photovoltaic System (BIPS) frame work system. The property development company was delighted with the visual appeal of the installation, as well as the energy savings they made possible for their customer. These two rooftop installations are expected to produce 4,000 kWh each and save about two tons of CO_2 annually.

About Solar Frontier

Solar Frontier is committed to creating the world's most ecological, economical solar energy solutions. Our proprietary CIS technology (denoting key ingredients copper, indium, and selenium) has the best overall potential to set the world's most enduring standard for solar energy. For more information visit www.solar-frontier.com and www.solar-frontier.eu