SOLAXESS white solar technology

WHITE COLOUR REQUIRES SPECIAL TECHNOLOGY

A realization in Uppsala, Sweden, for student dormitories' facades

The project, located outside the city center of Uppsala, was the largest solar project for the property owner, with a total area of about 1'900 square meters. Three of twelve facades of the properties have been installed with PV modules integrating our solution; in addition, ten of the rooftops were equipped with conventional solar systems. In total*, the area's photovoltaic systems generate about 240'000 kWh per year, which corresponds to 5-10 percent of the total electricity consumption of the 2000 students housing units.



Aesthetic Strengths

- Perfect colour uniformity across the surface
- Cells completely invisible
- Best aesthetic-performance trade-off
- Seamless integration of active façade elements
- No visible pixels
- Mineral look
- Glare-free matt appearance
- Self-cleaning frontsheet properties

Sun city project Flogsta in Uppsala, Sweden, September 2019

Simple integration into PV modules

To obtain the best possible performance and reliability, our films are simply added on top of standard PV modules during the lamination process.

Both glass/backsheet and glass/glass configurations are supported.



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Technical data

- Active facade of 520 sqm white PV panels using Solaxess technology
- PV panel dimension : 1618 mm x 981 mm
- Framed glass-backsheet modules
- 3,2 mm tempered glasses
- 60 cells panels of 160 Wp
- Total energy produced per year : * 240'000 kWh
- PV module manufacturer : Naps Solar Estonia