Office building, Eisenberg / Germany

Photo: SOLARFOCUS GmbH

Architectural integration of solar thermal energy systems
**PROJECT**

The new headquarter of SKK Solarkraftwerke Kasper GmbH, located in Eisenberg/Germany, is built as a low energy building with 45 m² solar collector integrated in the façade. The building consists of offices, show room and a warehouse.

The solar system is a combined system, providing both space heating and domestic hot water.
Key figures

- Solar collector area: 45 m²
- Heat store: 3000 l + fresh water module for domestic hot water
- Heat distribution: water based floor heating, controlled ventilation with heat recovery
- Auxiliary heating: pellets boiler, nominal power 30kW

Solar collector
Stationary flat plate CPC S1 collector from SOLARFOCUS GmbH (Compound Parabolic Concentrating solar panels)

- Dimensions: 2.400 x 1.155 mm (2.8 m²) x 65 mm
- Weight: 55 kg
- Flow volume: 20-70 l/m²h

The CPC solar collectors are high efficiency solar panels. It comes with a 10 year warranty and is also guaranteed against condensation and corrosive air.
GALLERY

PHOTOS:
SOLARFOCUS GmbH

- Built/Completion: 2009
- Client: SKK Solarkraftwerke Kasper GmbH
- Solar system: SOLARFOCUS GmbH
  www.solarfocus.at
- Address/Location: Am Gielbrunnen 4167304 Eisenberg / Germany
- Type of project: Commercial building