University of Applied Sciences and Arts of Southern Switzerland
Department of Environment Constructions and Design
Institute of Applied Sustainability to the Built Environment

SUPSI

Swiss BiPV Competence Centre

Cold facade

Ferdinand Braun Institute
Berlin (D)


Sulfurcell Solartechnik

Building Details

CONTACTS	Name	Website (or e-mail)
Owner	Ferdinand Braun Institute	www.fbh-berlin.de
Architect	MSP Architekten	www.msp-architekten.com
Energy Consultant	Dachland	www.dachland-berlin.de
PV Installer	Dachland	www.dachland-berlin.de

BUILDING

Completion year	Building		2007 PV Plant	
Category	New	Renovation	Enlargement	Other
Typology	Residential	Administration	Industrial	Sport
	Agricultural	Urban	Historical	Other

Description

The distinctively hollowed wall, in whose surface the sky is reflected on sunny days, anthracite grey CIS modules become a clear architectural statement of the building. More than 700 thin film modules are mounted using point anchoring on a substructure made of zinced steel sections. The solar wall is the crowning glory of a reconstruction project providing a new face to the Ferdinand Braun Institute. Behind this screen, which faces the road, the building will be able to make future changes without modifying external aesthetic and appearance.

BiPV Details

LOCATION OF PLANT

Roof	Flat roof	Sloped	Curved	
Façade	Cladding	Balcony	Greenhouse	Curved
Glass	Façade	Roof	Solar shading	Canopy
Orientation	South	West	East	North

ARCHITECTURAL EVALUATION

Color	anthracite
Transparency	opaque
Frame	Framed module
Aknowledgments	Eurosolar 2008 (citation)

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film	
PV Module	**Cells**	copper indium diselenide (CIS)		
	Module	Sulfurcell (Soltecture)		
Power	**kWp**	39		
Size	**m²**	640		
Energy production	**kWh/year**	N/A		