



+E Kita Marburg

Vitosareal, Marburg (D)

Building Details

CONTACTS

	Name	Website (or e-mail)
Owner	Marburg	www.marburg.de
Architect	Opus Architekten	www.opus-architekten.de
Energy Consultant	Ertex Solar GmbH	www.ertex-solar.at
PV Installer	AGEB Elektrotechnik	www.ageb.de

BUILDING

Completion year	2013 Building	2013 Plant		
Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Renovation	<input type="checkbox"/> Enlargement	<input type="checkbox"/> Other
Typology	<input type="checkbox"/> Residential	<input type="checkbox"/> Administration	<input type="checkbox"/> Industrial	<input type="checkbox"/> Sport
	<input type="checkbox"/> Agricultural	<input type="checkbox"/> Urban	<input type="checkbox"/> Historical	<input checked="" type="checkbox"/> Other

Building Energy Performance kWh/m²y

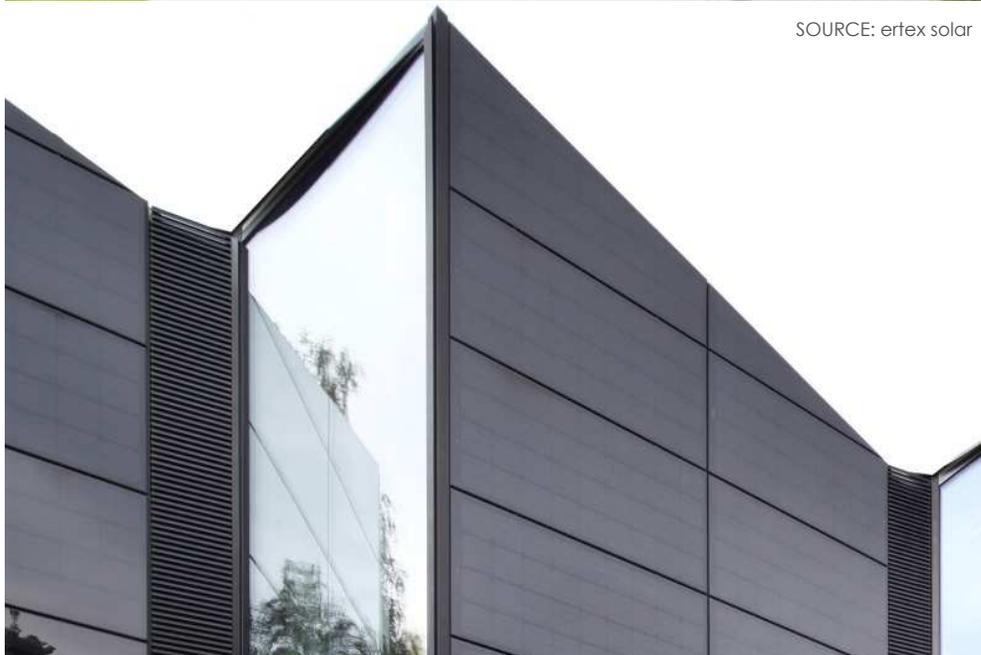
Description

This is a kindergarten realized in the city of Marburg in central Germany. It is characterized by a 2-storey building with concrete bearing structure and wooden roof and completely glassed façades. The architectural design is based on 5 different volumes that emerge from the flat transparent facade of the ground floor. These elements have the short lateral facade totally transparent and the main front, overlooking the garden, is realized with special laminated PV modules made by safety glass. They are black colored, perfectly integrated with the architectural image, and fit in the complex morphology. The PV panels are realized with a special module layering including a black colored background that allows to perceive an homogeneous and uniform aspect of the building skin.

Aknowledgments



SOURCE: ertex solar



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
BiPV System	Warm façade			

ARCHITECTURAL EVALUATION

Color	Black
Transparency	opaque
Frame	Frameless

COSTUMIZATION LANGUAGE AT COMPONENT SCALE

PV CELL	MODULE LAYERING	MODULE FEATURES	DUMMIES
DESCRIPTION	Special dimensions of modules ; special cut in the higher part of façades; the connected belt between the cells are black colored.		

SPECIFICATION

Photovoltaic	Monocrystalline	Multicrystalline	Thin Film
PV Module	Cells	-	
	Module	360 Ertex solar VSG EVO 4/4 (637x1507mm)	
Power	kWp	55	
Size	m²	365	
Energy production	kWh/year	-	
Cost	€/m²	-	