

MIP Bad Kreuznach

Aesthetic integration

High aesthetic quality is guaranteed by the BIPV modules, which are frameless and with polished glass edges on one side. The PV cells are clearly exposed on the building façade.

Energy integration

The BIPV façade is estimated to produce around 14 MWh per year. It generates electricity for e-charging station and lighting.

Technology integration

The 44 glass-glass BIPV modules (eFORM clear) were designed by SUNOVATION in 33 different sizes, each with individually selected cell layout. The XL module sizes have a notable dimension of more than 6.7 m² (> 5 m height). The BIPV modules are made of high-efficiency monocrystalline cells and fall-proof glazing.

Decision making

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Lesson learnt

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PROJECT DATA

Project type	New construction
Building function	Commercial
Integration system	Semi-transparent warm façade
Location	Europapl. 23, Bad Kreuznach, Germany

BIPV SYSTEM DATA

Module type	Custom made modules
Solar technology	Monocrystalline Silicon
Nominal power [kWp]	25
System size [m²]	221
Module size [mm]	33 different
Orientation	West, South, East

Tilt [°]	90
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BIPV SYSTEM COSTS

Total cost [€]	-
€/m²	-
€/kWp	-

PRODUCER DATA

Producer	Sunovation GmbH
Address	Glanzstoffstraße 21, Elsenfeld, Germany
Contact	info@sunovation.de +49(0) 6022 / 26573-0
Web	https://sunovation.de/en/

1. BIPV façade of the MIP in Bad Kreuznach © Sunovation
2. Detail of the semi-transparent BIPV façade © Sunovation