

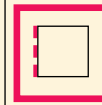
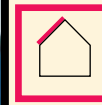
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IEA PVPS TASK VII EXHIBITION CENTRE FOR PV INTEGRATION

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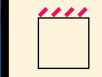


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STANDARD PRODUCT

CUSTOM PRODUCT



PROTOTYPE

EPV

EPV

Energy Photovoltaics

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Fax +1 609 587 5355

Email info@epv.net

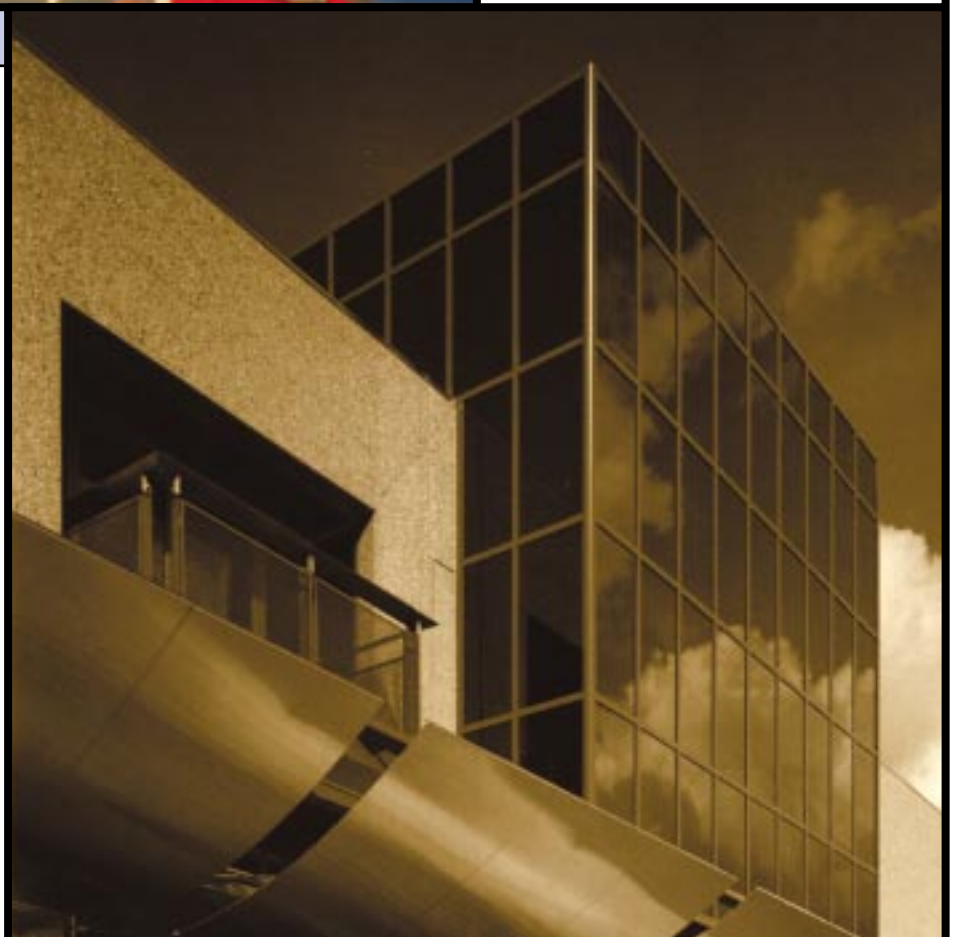
Internet <http://www.epv.net>

SYSTEM DESCRIPTION

The EPV glass roof rests on a standard metal conservatory support structure. Ordinary photovoltaic panels produce electricity and make the roof waterproof.

The contrast between the red support structure and dark brown PV-elements adds an original touch to the system.

Thanks to the glass-glass encapsulation, one can see the metallized back side of the module. The rear side can thus look like a mirror with lines produced by the laser screening of the thin films.



APPLICATION FIELD

Building type	Any type of building (more than 15° tilted roof or façade)
Building elements	Glazing system integrating PV modules
Mounting technology	Mulion and purlin assembly with gaskets
PV Module	a-Si technology

AT DEMOSITE

PV Area	24.4 m ²
PV Module	EPV
Power, voltage	50 W, 38 V (standard test conditions)
Size	1549 x 787 mm
Connection	7 x 3 modules in series, water-tight connectors

EPV

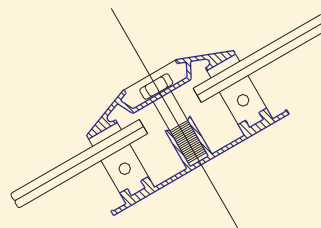
EPV is a world leader in the research, development and production of advanced thin film solar cells based on amorphous silicon technology.

SYSTEM TECHNOLOGY

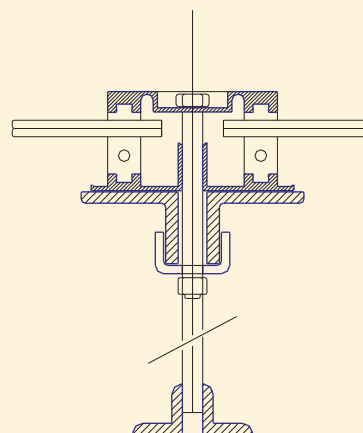
The photovoltaic panels are attached to a standard aluminium support structure generally used for large conservatories.

Sections on both sides of the amorphous modules hold them in place and hide away electric cabling.

Neoprene strips guarantee water tightness and protect the glass-glass laminated photovoltaic modules against shocks during installation.



LATERAL MULLION DETAIL



MULLION DETAIL THROUGH JOIST