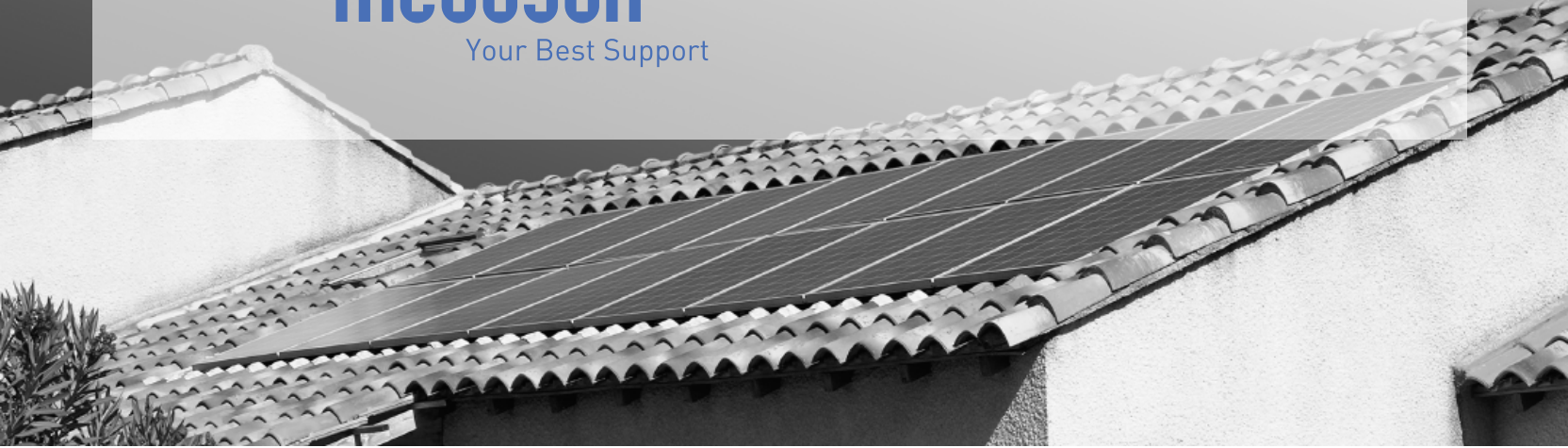




Systeme MKR, the building integrated photovoltaic solution for residential installations

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mecosun
Your Best Support



With the MKR building integrated photovoltaic system, you can install your photovoltaic solar panels over all kind of traditional roof surface.

The MKR system ensures that you get the highest feed-in tariff in countries with the respective legislation.

Ventilation inlets and outlets mean optimum output from your panels and allows to obtain until 10 % more of efficiency.

Supplied with all the flashing pieces, the MKR system is a complete kit.

MKR strengths :

- **all inclusive solution: aluminium profiles and flashing pieces**
- **adaptable to all kind of roof structure**
- **insure the highest feed-in tariff**

Adaptability & flexibility

- All types of framed modules
- All types of roof structure
- All types of sloping roof from 12 to 50°
- Suits both tiles and slate roofs
- Maximum weight 8.5 kg/m² (ex module)

Reliability & long life

- Control of expansion stresses between roof structure and photovoltaic modules
- Materials used are recyclable and selected for long-term weather-resistance (aluminium profiles, stainless steel fastenings, etc.)

Easy to set up and install

- Units made to measure
- Designed in close collaboration with qualified professional installers
- High installation productivity with installation on your roof completed in a single day
- Only a few tools required

Optimization & profitability

- Can be cantilevered up to 0.5m below the gutter
- System without underlay with air inlets and outlets for enhance module ventilation to increase until 10% the installation output

Design

- The system blends in aesthetically with the roof structure ensuring a perfect finish
- Accessories can be treated with coloured lacquer in a colour of your choice (black, brown, red, etc.)

Maintenance & monitoring

The system has no areas which are vulnerable to dirt build-up or moss growth, ensuring that your roof stays clean all year round.

Training

Mecosun, which is officially approved as a training organization, provides you with training and assistance through a course on system installation. The day-long course provides you with the best possible advice for your first installation and also gives you our materials warranty.



> Your guarantee of MECOSUN's experience:

* 700,000m² of installations using our solutions since 2006

* Industrial support compliant with the Technical Evaluation of the CSTB

General technical specifications

	Standard beams	Attachment method
For wooden roof structures	Traditional or laminated	Fixing clips
Structural load	Maximum 8.5 kg/m ²	
Permissible roof slope	12° to 50° (20% to 120%)	
Distance between 2 supports beams	Maximum 1.5m	
Wind areas (NV65)	Zone 4 (Zone 5, on case study)	
Snow areas (NV65)	Zone D - Altitude 900m	
Seaside	Consult us	
Module orientation	Portrait or landscape (on conditions) PV layout with L or T form possible (consult us)	
Length of roof slope	Maximum 13m	

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1. General view of an installation
2. Angle cover and flashing pieces for a perfect watertightness
3. Ventilation inlets at the bottom to optimise the output from your panels

For further information, contact us on +33 (0)5 62 14 07 11
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