



FVG€ System

the technical and €conomical integrated photovoltaic solution
for industrial and agricultural buildings

Adaptability & Flexibility

- Adaptable to all types of roof structures, metallic, wood and concrete
- Adaptable to slopes up to 27 m long and distance between purlins up to 1.6 m
- Adaptable to all FVG ENERGY PV module series
- Adaptable to all sloping roofs from 5° to 50°

Optimization & Profitability

- Industrial processes optimized for the extrusion of the aluminium rails
- Can be cantilevered up to 0.3 m above the ridge cup and below the gutter to maximize module PV layout
- One product to fill a large variety of market needs

Warranty & Quality Standards

- 5-Year manufacturer's warranty on materials and components with a specific additional insurance covered by a leading European Insurance company
- Compliant with European building integrated photovoltaic criteria
- Eligible to higher feed in tariff for BIPV installations

Reliability & Long life

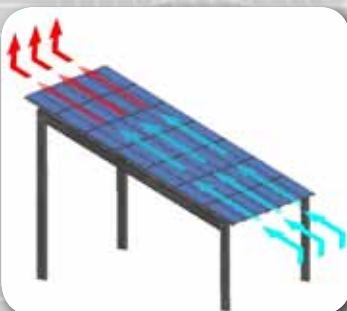
- Aluminium rails and stainless steel fastenings for a high resistance to environmental influences over time
- The system has no areas in which is vulnerable to dirt build-up or moss growth, ensuring that your roof stays clean all year round
- Control of expansion stresses between roof structure and photovoltaic modules

Easy to Set Up & Install

- Maximum weight of 4.5 kg/m² (without PV modules) to simplify the handling
- Only a few tools required
- High installation productivity

Design

- The system has been developed by a leading European company in the roof-integrated mounting field support's with great experience and technical know-how
- The system blends aesthetically with the roof for a perfect appearance
- Possibility to colour the accessories (black, blue, red, ...)



Ventilation & Performance

System without underlay with openings that creates an air flow for a better rear ventilation of the PV modules for an additional 10% efficiency minimum

Training

FVG ENERGY, in partnership with Mecosun, analyzes the Customer's request, defines the type of project, and stands over the set up and installation process arranging trainings and assistance through trainings on system installation and gives a professional after-sales support

Technical Specifications

	Standard beams	Fastening method
For metal roof structures	IPN from 80 to 180 (standard)	Fixing clips
	IPE from 80 to 200 (standard)	Fixing clips
	HEA from 100 to 120	Fixing clips
	Thin sheeting profiles	Fixing clips
For wooden roof structures	Traditional or laminated	Fixing clips
For concrete roof structures	Beams with metal inserts	Fixing clips
Structural load	Maximum 4.5 kg/m ²	
Acceptable roof slope	From 5° to 50° (8% to 120%)	
Distance between two support beams	Maximum 1.6 m	
Wind areas (NV 65)	Zone 4 - Zone 5 (case study)	
Snow areas (NV 65)	Zone 4 - Altitude 900 m	
Module orientation	Portrait or landscape (on conditions)	
Length of roof slope	Maximum 27 m (about this limit, consult us)	



The system FVG€ in section

- 1 Profile for fastening to the roof structure on the host system and host water drains latitudinal
- 2 Longitudinal drain water
- 3 Top line watertight
- 4 FVG ENERGY photovoltaic module with frame

