

Roof Top PV Rack Mounting System

KIVO

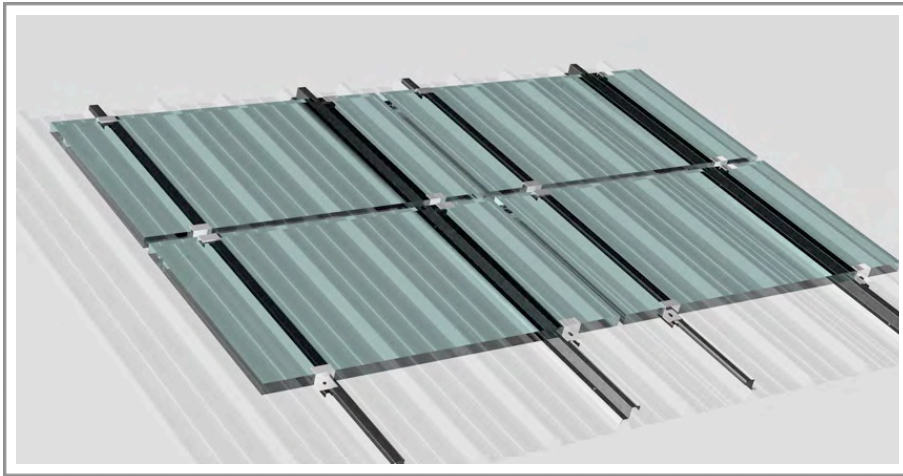
IR

Corrugated sheet roof mounting system

KIVO IR

Corrugated sheet roof mounting system

The KIVO IR corrugated sheet mounting system is suitable for trapezoidal -corrugated sheet roofs.



- KIVO IR
- Corrugated sheet
- Roof Top
- 20 Years Warranty
- CE, ISO 9001 TÜV



- The system is fastened to the main supporting structure (purlins) of the building and not to the metal sheet cladding.
- The cladding is penetrated only in few predefined points. Rubber flanges are used to ensure the building's waterproofing.
- A minimal distance of 90mm (or more depending on customer's demand) from the roof surface till the module allows sufficient cooling of the solar modules.
- Kivo IR can be adapted to almost every type of trapezoidal roof and is compatible with framed or thin film modules. This highly versatile system is cost optimized and ensures quick and easy installation.

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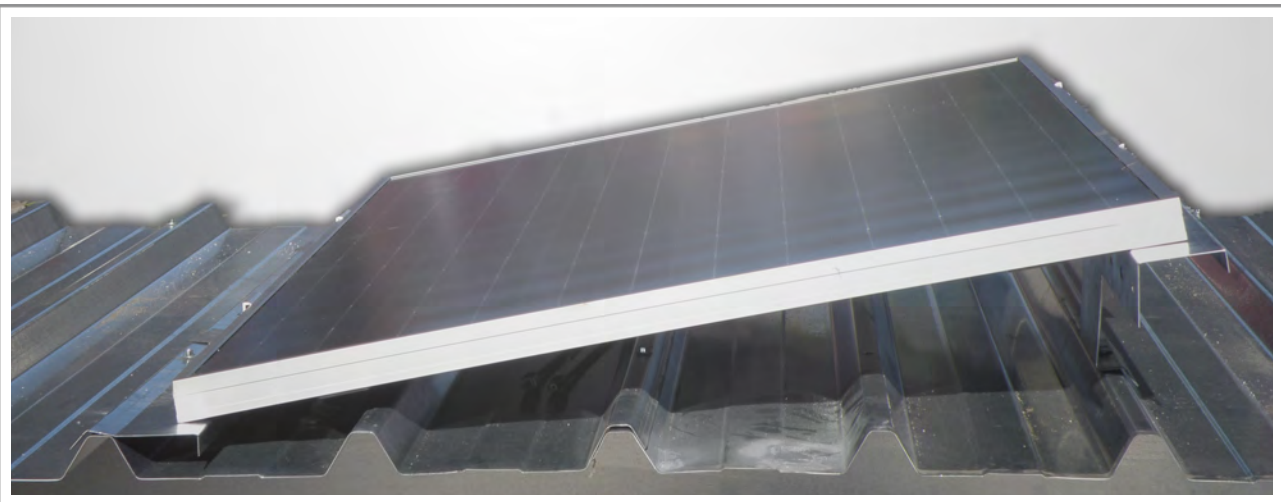
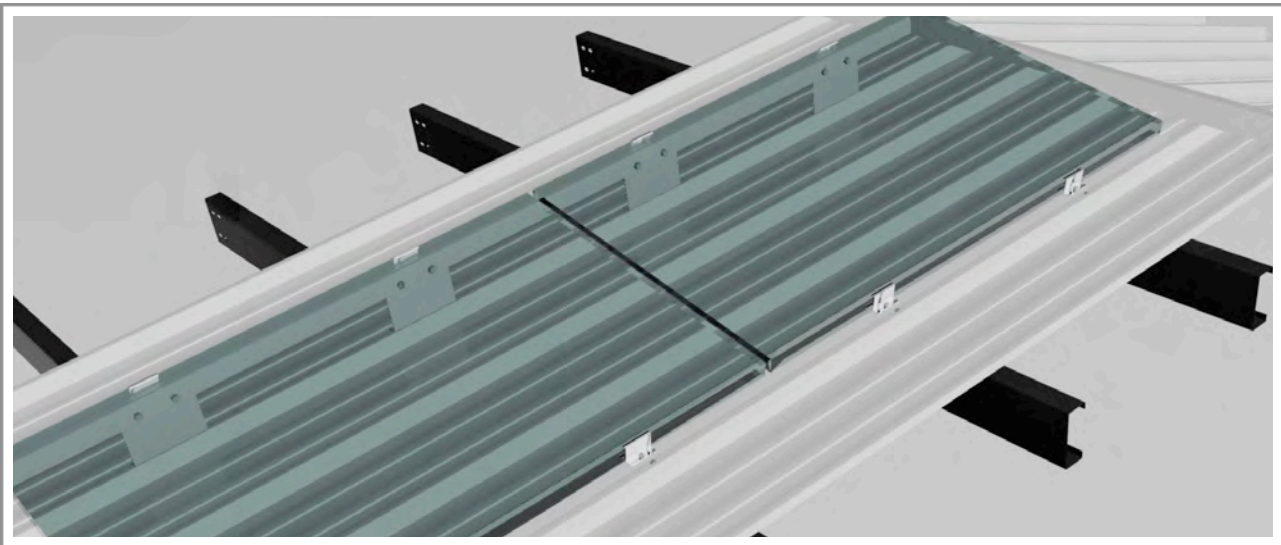
Specifications

Application	Trapezoidal -corrugated sheet roofs
Grounding	screwing
Soil Classes DIN 18300:	n/a
Material	Cold roll-formed pre-galvanized steel profiles according to DIN EN 1327 – S320+Z
Tilt Angles	Following the roof inclination or at 5,10,15 degrees offset
Panel arrangement	Multiple portrait or landscape
Module Compatibility	all available commercial types
Average Installation Rate	Up to 30 kWp/man per day
Accessories:	Aluminum middle and end clamps: EN AW-6063 T6
Screw type	Self drilling screws. M8(clamps) grade 8.8, EPDM rubber against, electrolytic corrosion
Warranty	20 years
Manufacturing Location	Depending on the location of an installation site
Certifications:	CE, ISO 9001 TÜV

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Images



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Design Norms & Standards

Design according to the following Norms:

Eurocode 1: Actions on structures (EC1, ENV 1991 1-1, 1-3, 1-4),

- Part 1-1: General actions – Densities, self-weight and imposed loads
 - Part 1-3: General actions – Snow loads
 - Part 1-4: General actions – Wind actions

Eurocode 3: Design of steel structures (EC3, ENV 1991-1-1, 1-3)

- Part 1-1: General rules and rules for buildings
- Part 1-3: General – Cold formed thin gauge members and sheeting
 - Part 1-8: General – Design of joints
- Part 1-10: General – Material toughness and through thickness assessment

Eurocode 8: Design of structures for earthquake resistance (EC8, ENV 1998-1-1)

- Part 5: Foundations, retaining structures and geotechnical aspects
- Part 1: General rules, seismic actions and rules for buildings
 - National Norms for Earthquake Resistance



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