

Roof Top PV Rack Mounting System

KIVO

FR

Chemical Anchoring (Single Portrait)

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Roof Mounted Photovoltaic Structures for flat roof installations, for all available modules



- KIVO FR
- Chemical Anchoring
- Roof Top
- 20 Years Warranty
- CE, ISO 9001 TÜV



All KIVO roof components are made of high quality materials (cold roll formed pre-galvanized steel profiles) and can be applied to almost every type of roofing.

KIVO FR provides an easy and quick way for a flat roof installation. Mounted by anchoring the support structure to the roof surface with chemical or mechanical anchors.

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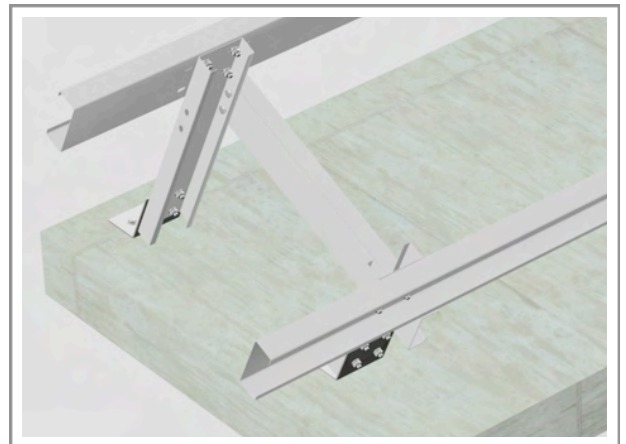
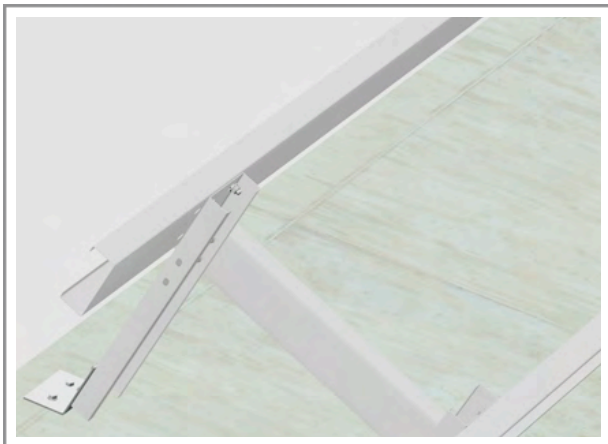
Specifications

Application	Flat roofs
Anchoring	Anchoring on the roof
Soil Classes DIN 18300:	n/a
Material	Cold roll-formed pre galvanized steel profiles according to DIN EN 1327 – S320+Z or post galvanized steel profiles
Tilt Angles	upon demand from 5 to 30 degrees
Panel arrangement	Single Portrait
Module Compatibility	all available commercial types
Average Installation Rate	Up to 20 kWp/man per day
Accessories: Screw type	Aluminum middle and end clamps: EN AW-6063 T6 grade 8.8 (galvanized) M12 & M8 (clamps) and chemical Steel anchors 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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