

Roof Top PV Rack Mounting System

KIVO

FR

CONCRETE BALLAST

KIVO FR

CONCRETE BALLAST

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

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. The installation can be done by using the light weight ballast (flagstones or other available materials e.g. concrete blocks, gravel).

This way an effective and cost optimized installation can be achieved. The main advantage of this method is that the roof surface needs not to be penetrated for fastening purposes. The support structure is simply weighted down with flagstones.

- KIVO FR
- Concrete Ballast
- Roof Top
- Single landscape
- Twenty Years Warranty
- CE, ISO 9001 TÜV



KIVO FR

CONCRETE BALLAST

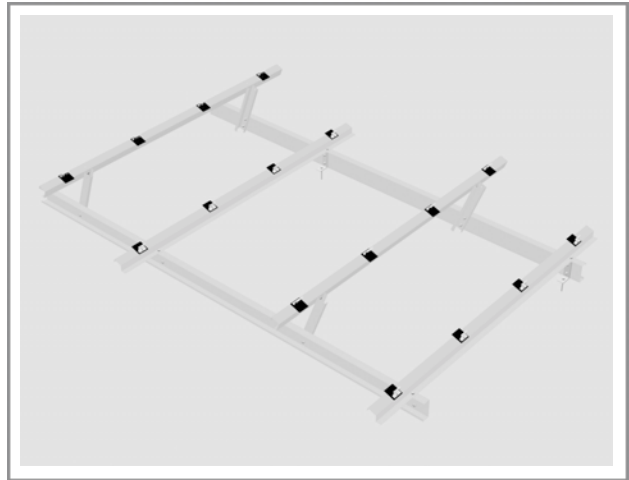
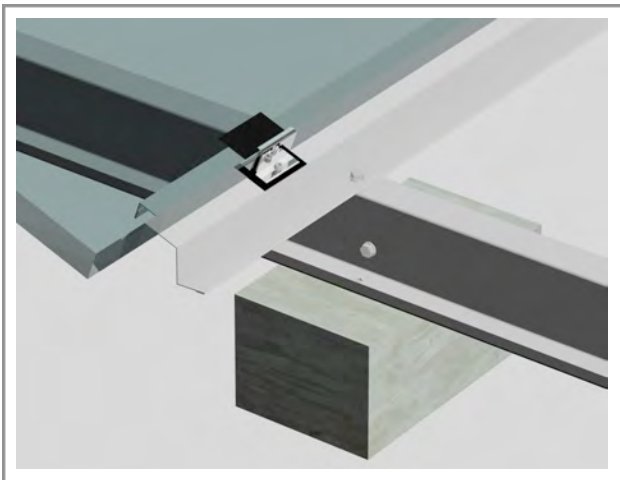
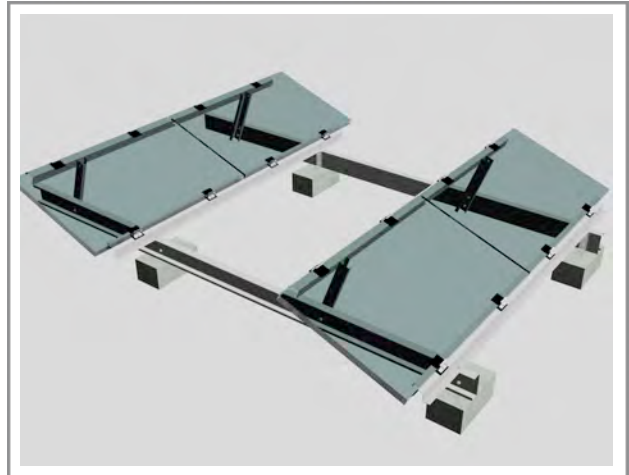
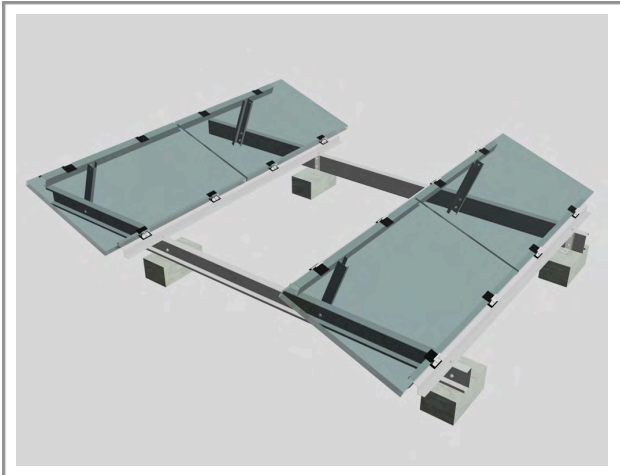
Specifications

Application	Flat roofs
Anchoring on the roof	Weight ballast
Soil Classes	n/a
DIN 18300:	
Material	Cold roll-formed pre galvanized steel profiles according to DIN EN 1327 – S3290 + Z
Tilt Angles	upon demand from 5 to 30 degrees
Panel arrangement	Single landscape
Module Compatibility	all available commercial types
Average Installation Rate	Up to 20 kWp/man 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

KIVO FR

CONCRETE BALLAST

Images



KIVO FR

CONCRETE BALLAST

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



SOLAR CUBE
GmbH, Germany

Bahnhofstr. 95, 82166
Graefelfing – Munich, DE

Phone: +49 89 57084105



info@solarcube.com



www.solarcube.com

Click to sign up to our newsletter