isotec

SOLAR MOUNTING SYSTEMS

System Warranty
12 Years Warranty
ISOTEC Solar GmbH

Innovative Solutions

Solar Mounting Systems

www.isotec.com.tr

About us

ISOTEC holds a leading position in the field of product development and supply for solar energy mounting systems. With its extensive experience of 12 years, the company has developed and produced 82 different mounting systems, thereby consolidating its leadership. Adhering to the principles of the Toyota Production System (TPS) in its production processes, ISOTEC continually strives towards a zero-error target.

ISOTEC's headquarters and production facilities are located in Istanbul / Kocaeli (Turkey), and through its export office located in Kavacik (Turkey) and sales office in Frankfurt (Germany), it serves both local and international projects by exporting to more than 50 countries.

ISOTEC has proven itself as a brand that produces innovative and durable systems.
ISOTEC adopts the latest technologies and follows a continuous development process. This approach results in the design of products that are economical, easy to implement, and highly durable.

Aiming to provide fast and quality service, ISOTEC has developed its own ERP software, which allows for real-time information flow. Additionally, all metering and static calculations are performed using custom software developed in-house, highlighting the company's technical capabilities and unique services.

Always prioritizing customer satisfaction, ISOTEC maintains its position as a leading brand that produces mounting systems in the solar energy for land and roof sector by keeping the price/quality performance at the highest level.

Guaranty

All ISOTEC mounting systems are guaranteed for 12 years

Packaging

ISOTEC mounting systems are designed to be shipped easily.

Static Analysis

ISOTEC mounting systems components are analyzed according to European and other country based national standards (Eurocodes..)

Systems - Contents

System	Page	Ground	Flat Roof (Concrete/Foil/PVC)	Trapezoidal Sheet Roof	Sandwich Panel Roof	Tile Roof
▸ISOGROUND	4	●	○	○	○	○
▸ISOFLAT S – V3	6	○	●	○	○	○
▸ISOFLAT D – V3	8	○	●	○	○	○
▸ISOTRAP MINI	10	○	○	●	●	○
▸ISOTRAP S	12	○	○	●	●	○
▸ISOTILE	14	○	○	○	○	●

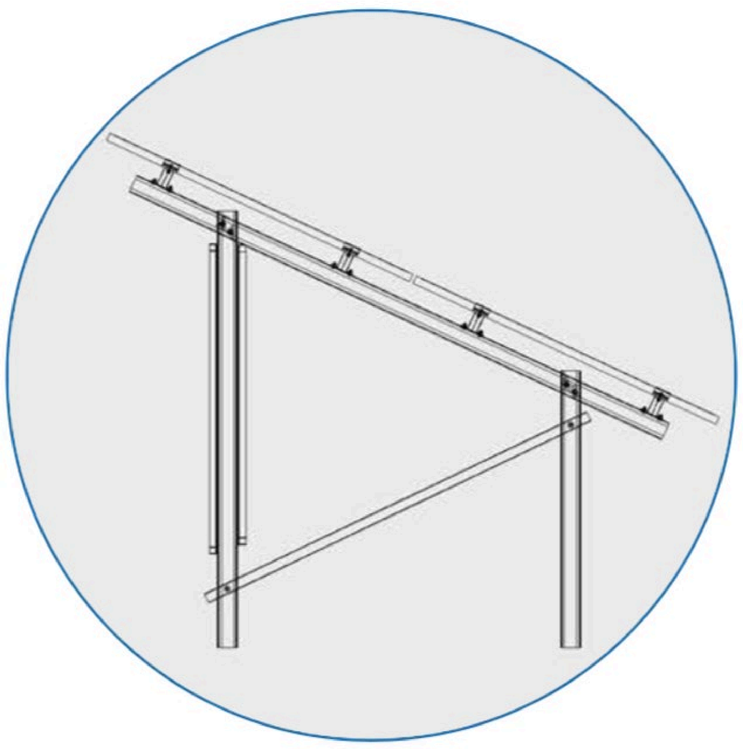
● Suitable ○ Not suitable

ISOGROUND

Fixed Ground Mounting System

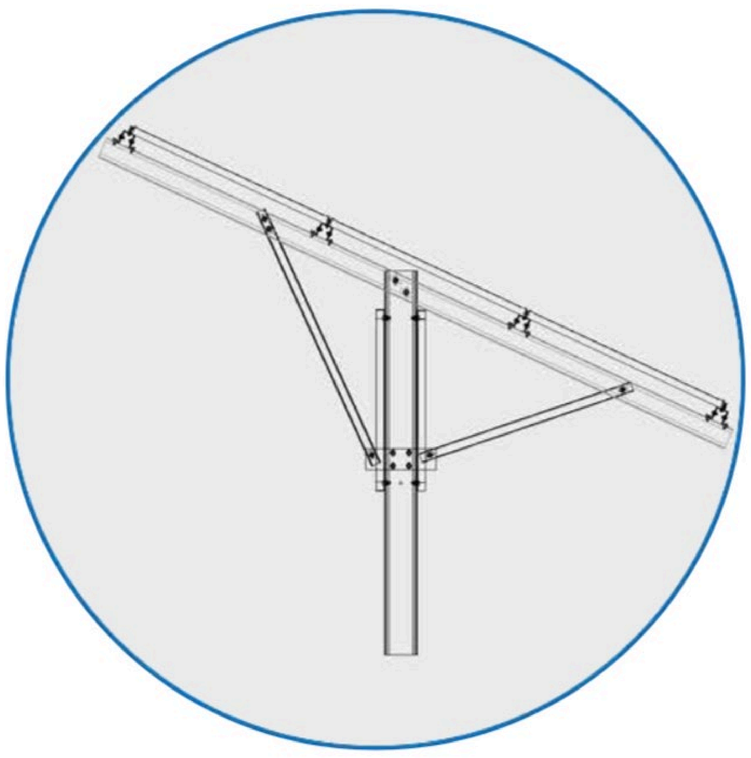
Optimum Solution

- Extensive flexibility
- Modular construction
- High security
- Maximum strength
- Long service life
- Easy maintenance



ISOGROUND BNS TWO

- Maximum strength with two piles
- Available in Portrait & Landscape Configuration
- Steel Steel or Steel Aluminum options available
- All fasteners are Stainless A2 quality
- High strength module clamps
- 1.120 MW installed



ISOGROUND BNS ONE

- Single column fixed angle or seasonal adjustable.
- It is preferred on hard and rocky soils .
- Available in Portrait & Landscape Configuration
- Steel Steel or Steel Aluminum options available
- All fasteners are Stainless A2 quality
- High strength module clamps
- 180 MW installed

ISOGROUND	
Scope of application	Ground / Free Land
Compatible pv module	L : 1.500 - 2.500 mm W : 990 - 1.330 mm H : 30 - 45 mm
Foundation type	Ramming, concrete foundation , concrete pile
Material	Pile / Beam / Brace : HDG ST52 Steel Purlin : HDG ST52 Steel / Aluminum 6063 T66 Rails , clamps : Aluminum 6063 T66 / EN 6005 Fasteners : Stainless A2 70
Layout options	2 Portrait, 3 Portrait, 4 Landscape, 5 Landscape

ISOFLAT S – V3

8°- 12° South installation

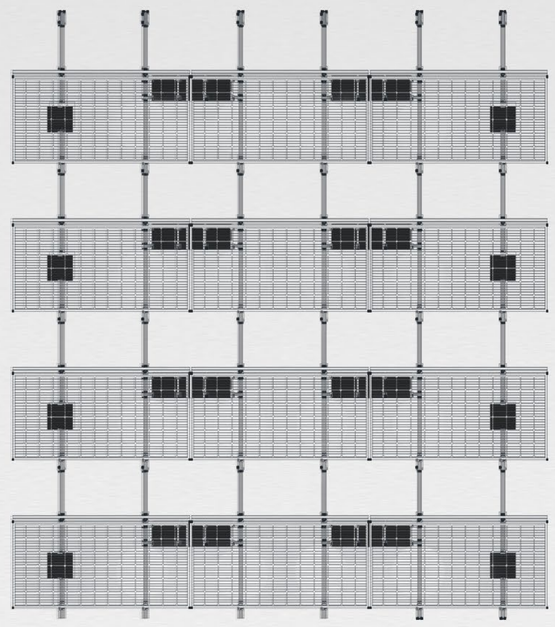
Flat roof – Concrete / Foil

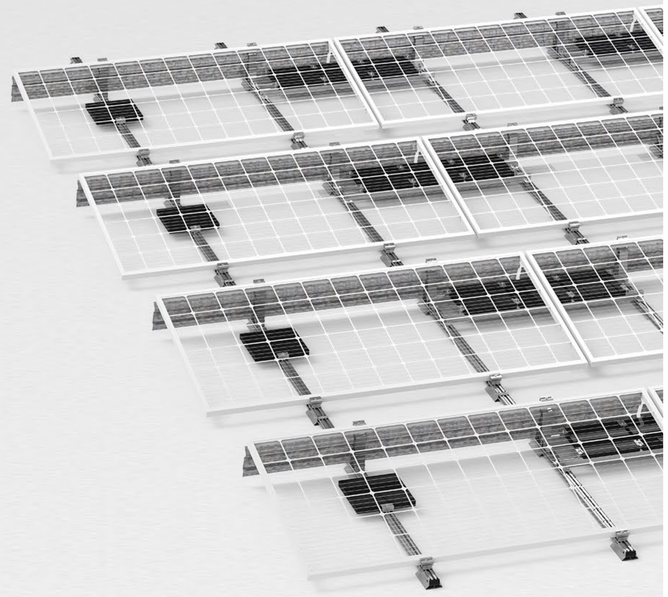
Aerodynamic Optimized Solution

- NEW : PV module *Longside* installation possible
- I.F.I. Wind tunnel test approved
- Easy installation with pre-assembled parts
- One tool installation
- Fastening without roof penetration
- Compatible with membrane roofs
- Stainless & corrosion free components

FIXATION TYPES

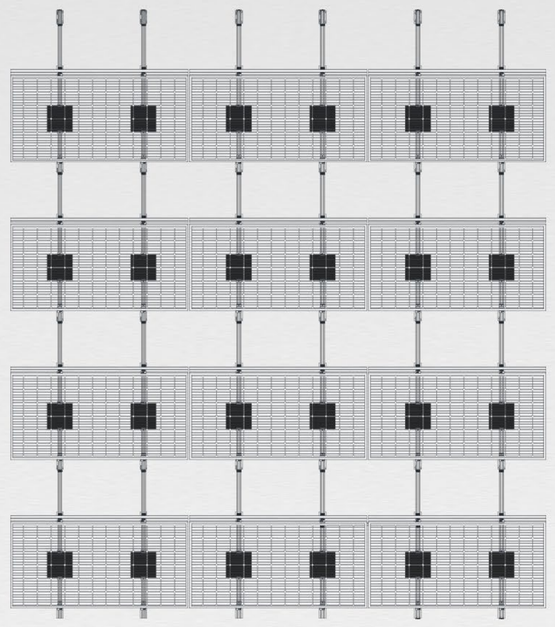
1.Standard

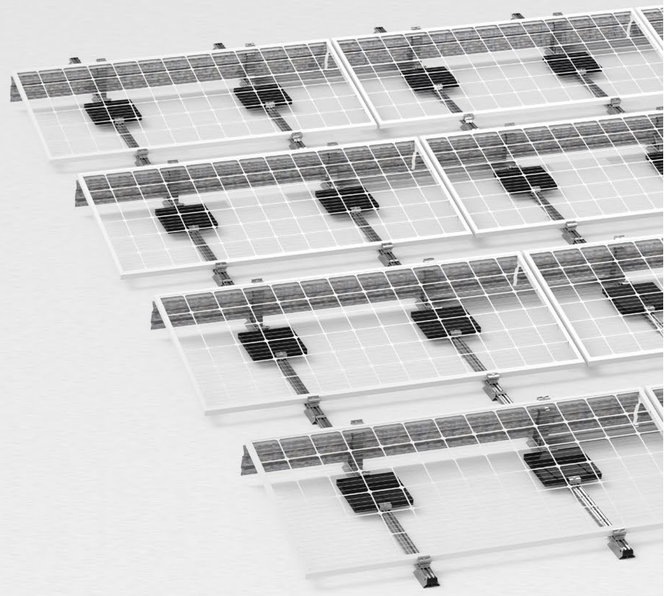




The required ballast are placed directly on the rails.

2.Extra loads





Additional ballast can be placed with extra carrier rails.

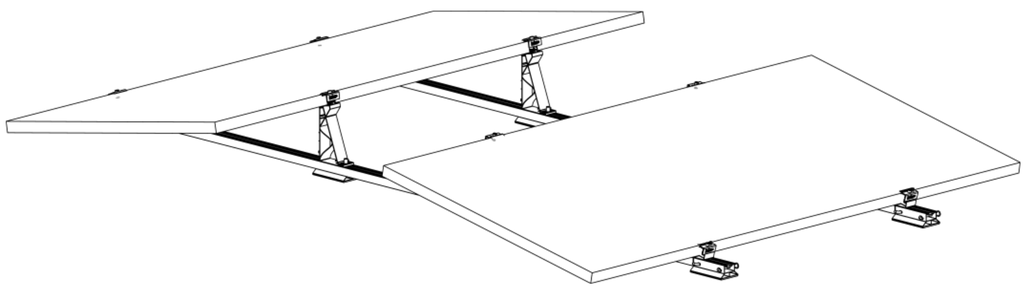
ISOFLAT S – v3

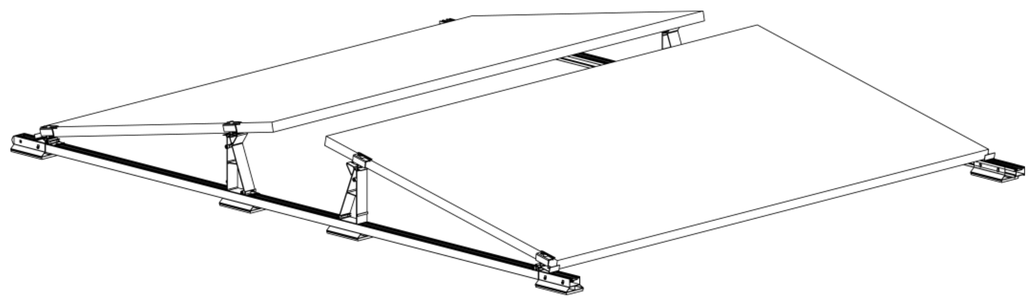
Scope of application	Flat roofs, concrete, bitumen, sheets, green roofs, gravel or trapezoidal sheets
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm
Foundation type	Ballast, Anchor, IMC
Inclination Angle	8-12°
Materials	Profile, clamps : Aluminum 6063-T66 / 6005-T6 Supports : EPDM protection Fasteners : Stainless A2-70
Technical specifications	Each sequence should be separated after a maximum of 15 m due to thermal expansion Minimum 550 mm distance should be left on the edge of the roof If the roof slope exceeds 3% the system should be fixed with steel ropes to the roofs parapet

ISOFLAT D – V3

8-12° East-West installation

Flat roof – Concrete / Foil



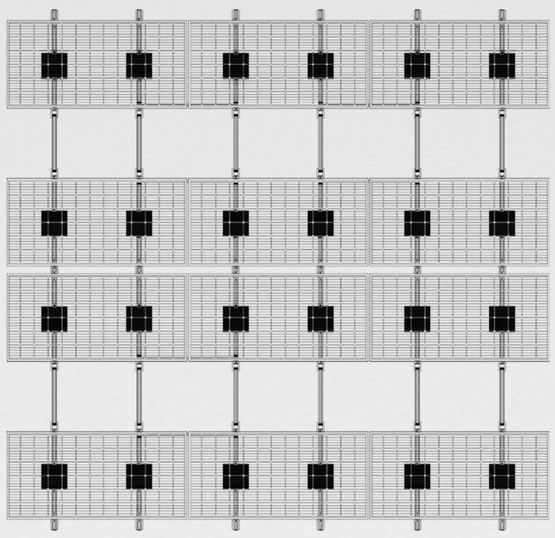


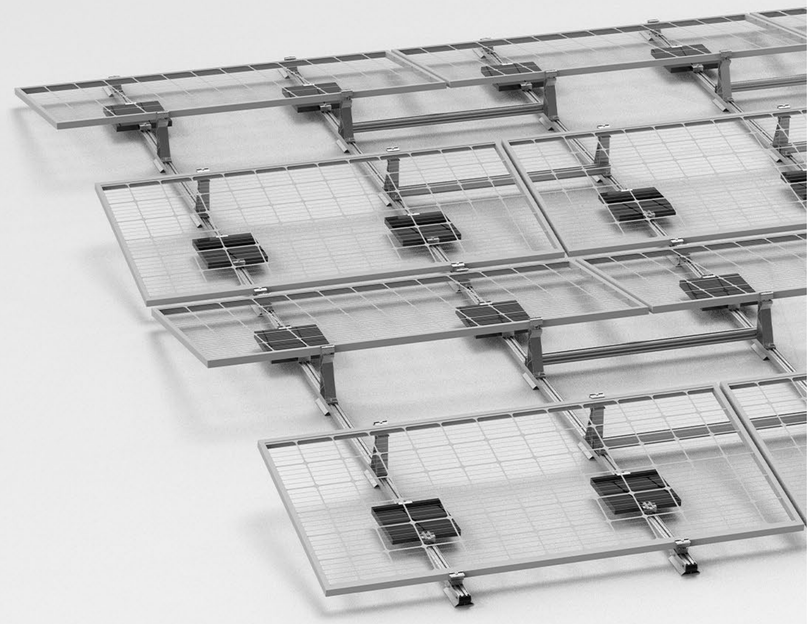
Aerodinamic - Minimum Ballast

- NEW : PV module *Longside* installation possible
- I.F.I. Wind tunnel test approved
- Easy installation with pre-assembled parts
- One tool installation
- Fastening without roof penetration
- Compatible with membrane roofs
- Stainless & corrosion free components
- Minimum ballast thanks to its aerodynamic structure
- More efficient use of the roof area

FIXATION TYPES

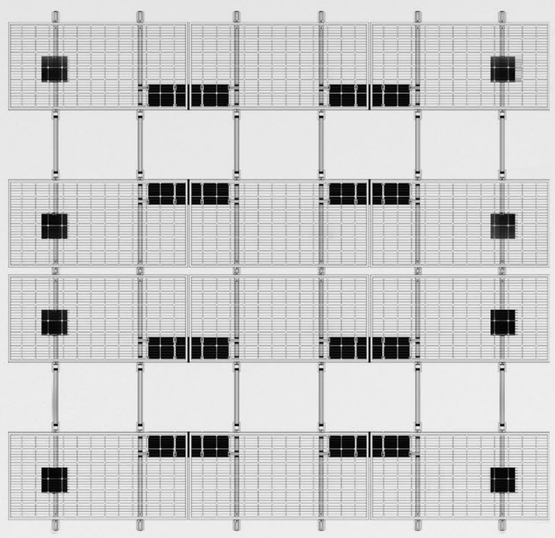
1.Standard

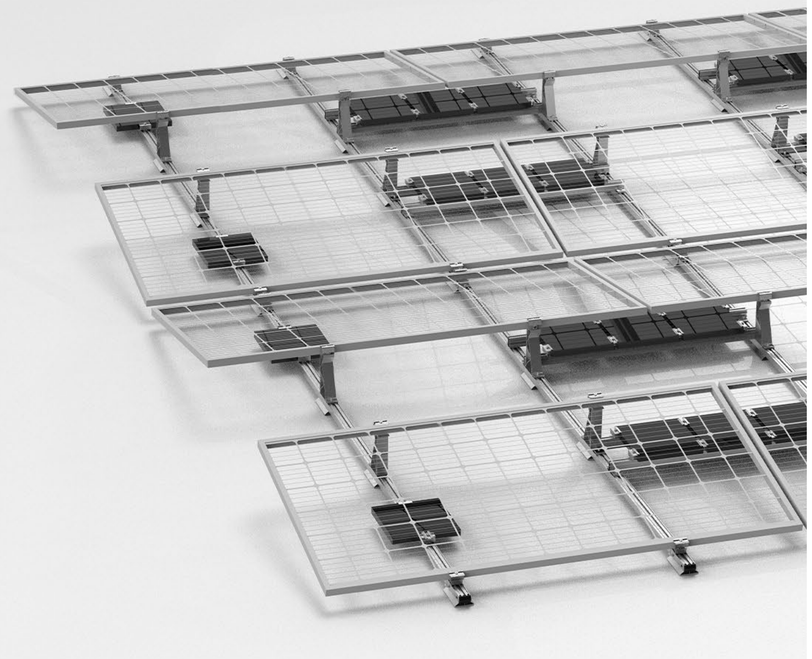




The required ballast are placed directly on the rails.

2.Extra loads





Additional ballast can be placed with extra carrier rails.

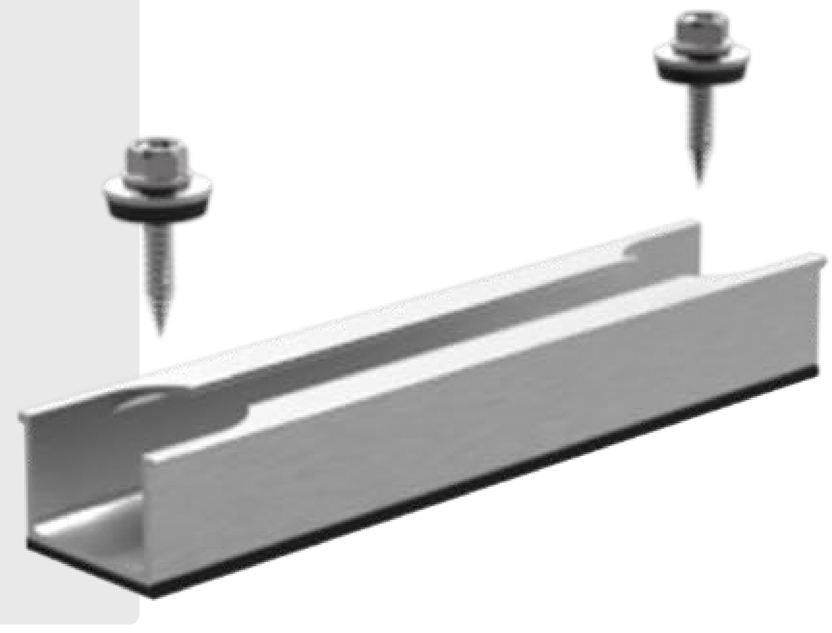
ISOFLAT D – v3	
Scope of application	Flat roofs, concrete, bitumen, sheets, green roofs, gravel or trapezoidal sheets
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm
Foundation type	Ballast, Anchor, IMC
Inclination Angle	8-12°
Materials	Profile, clamps : Aluminum 6063-T66 / 6005-T6 Supports : EPDM protection Fasteners : Stainless A2-70
Technical specifications	Each sequence should be separated after a maximum of 15 m due to thermal expansion Minimum 550 mm distance should be left on the edge of the roof If the roof slope exceeds 3% the system should be fixed with steel ropes to the roofs parapet

ISOTRAP Mini v3

Trapezoidal & Sandwich Roof Mounting System

Low Cost – Optimum Solution

- Optimized for easy installation
- Minimum components, better for storage and transport
- Universal PV module clamps
- EPDM seal pre-assembled



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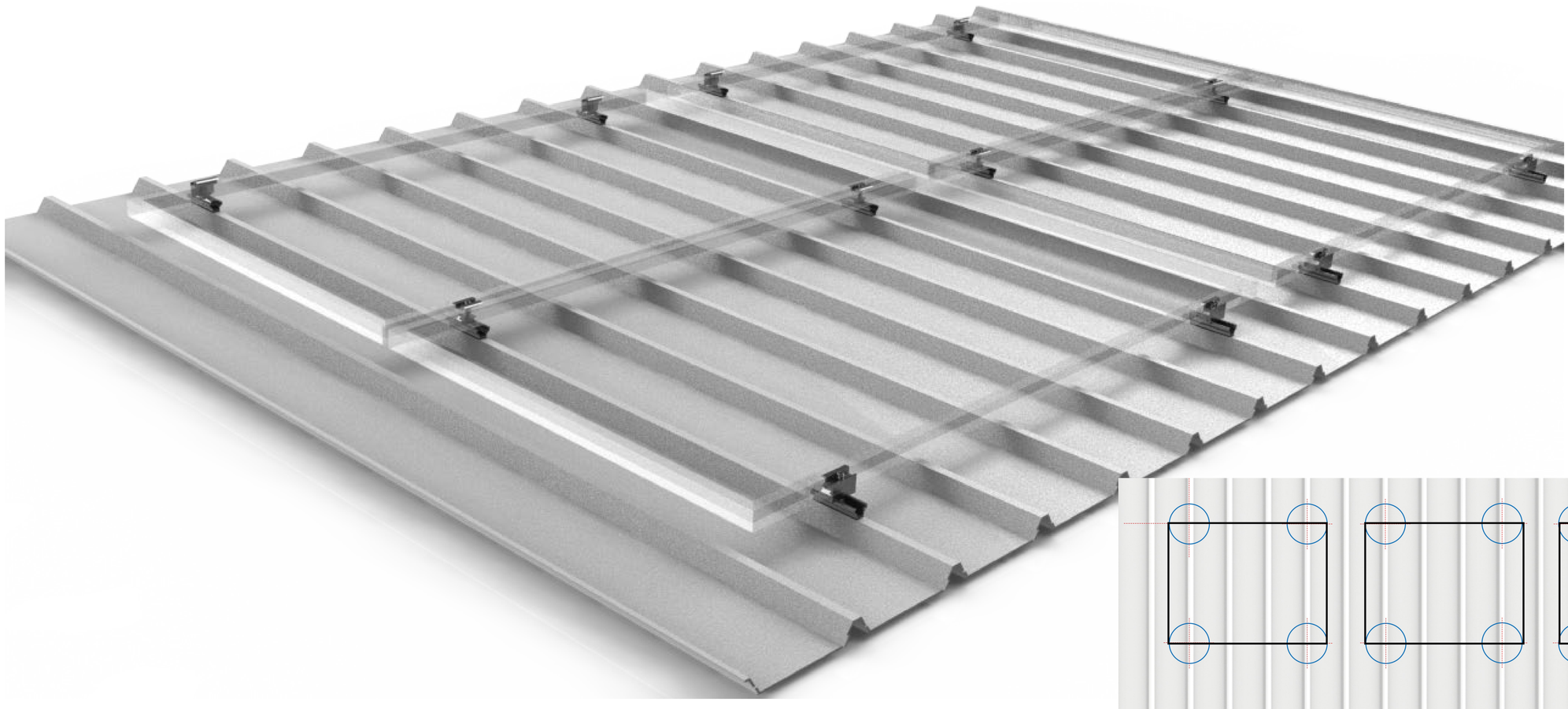
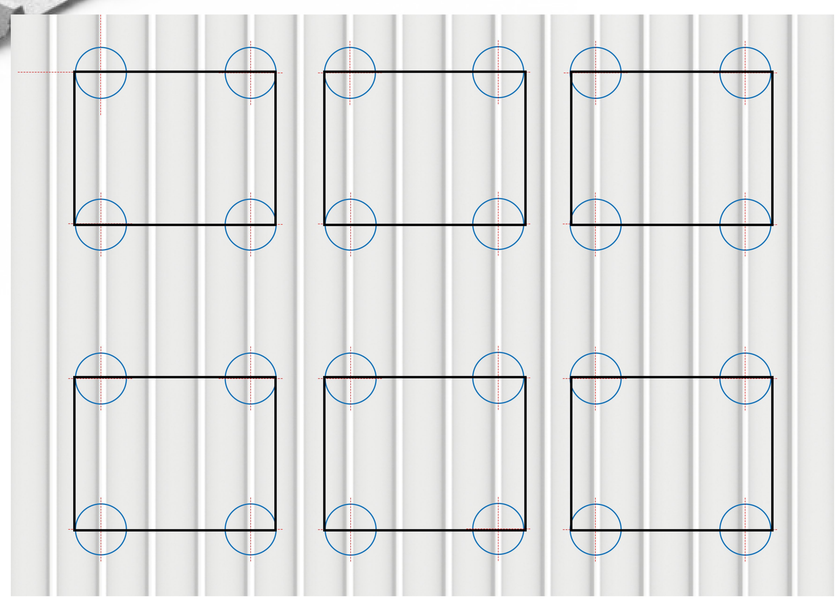


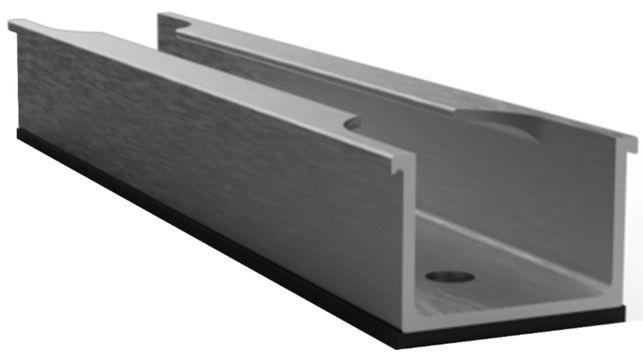


Waterproof rivet
Self drilling screw

ISOTRAP Mini v3

EasyClamp Middle

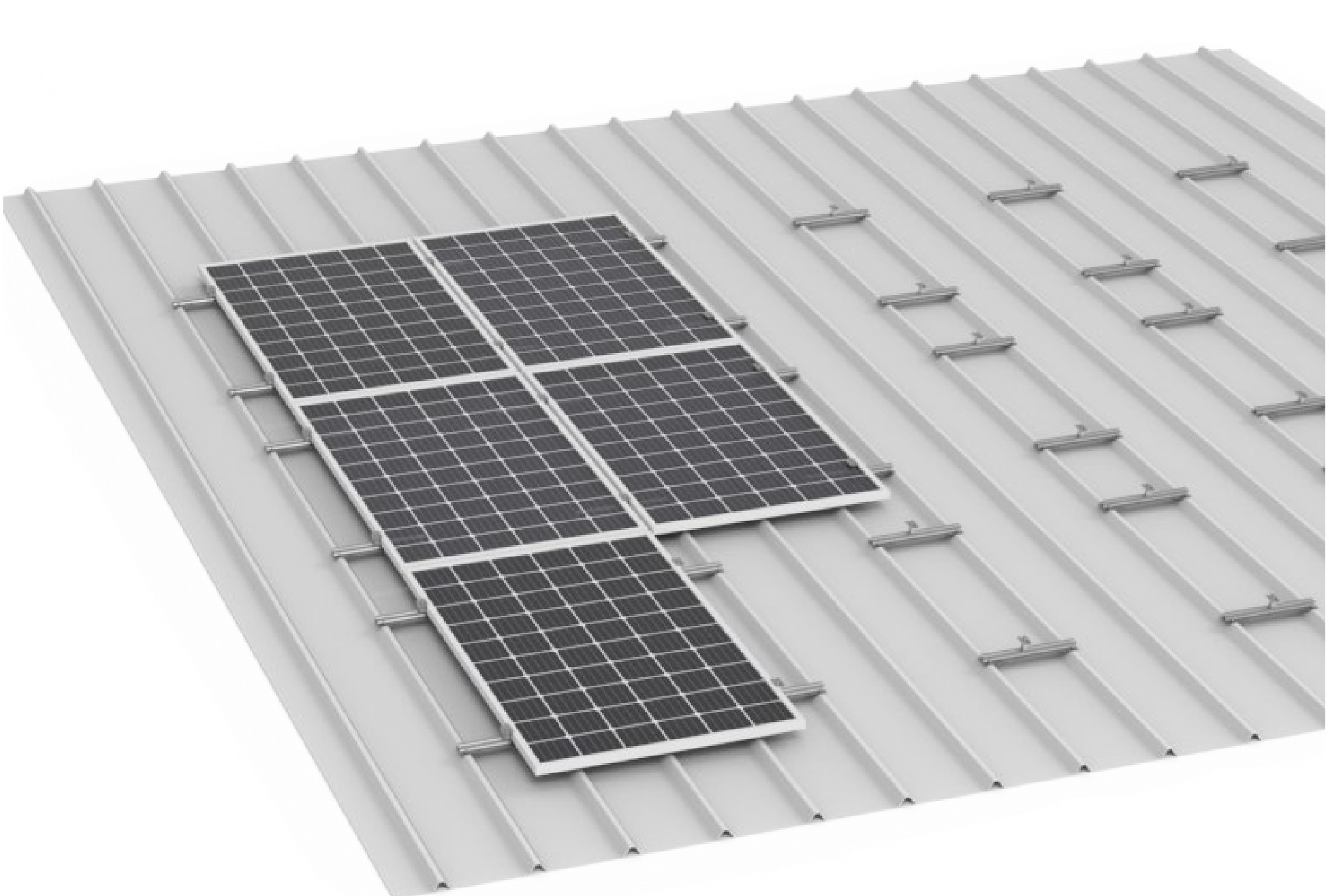
EasyClamp End



ISOTRAP Mini v3

Scope of application	Trapezoidal & Sandwich panel roofs
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm
Fixations	Self drilling screw / Rivet
Materials	Profile, clamps : Aluminum 6063-T66 / 6005-T6 Rubber : EPDM Fasteners : Stainless A2-70 & Bimetal
Technical specifications	Pitch range max. 285mm Used only in horizontal layouts

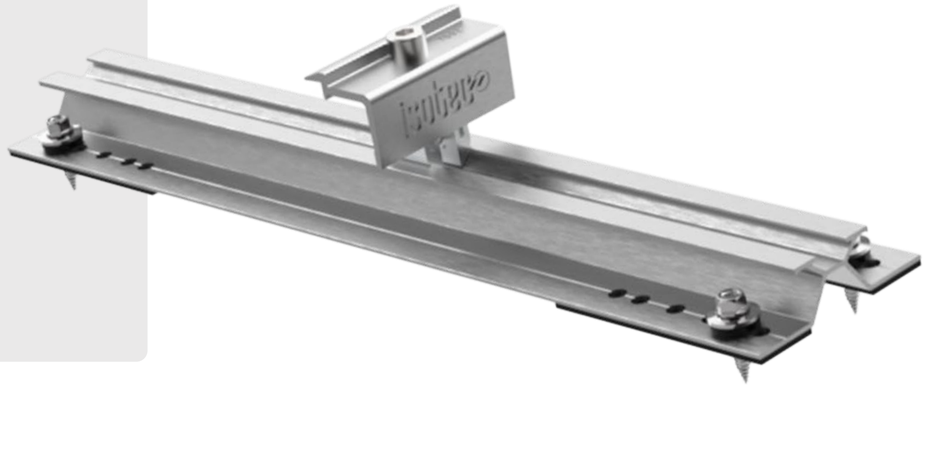
ISOTRAP S20

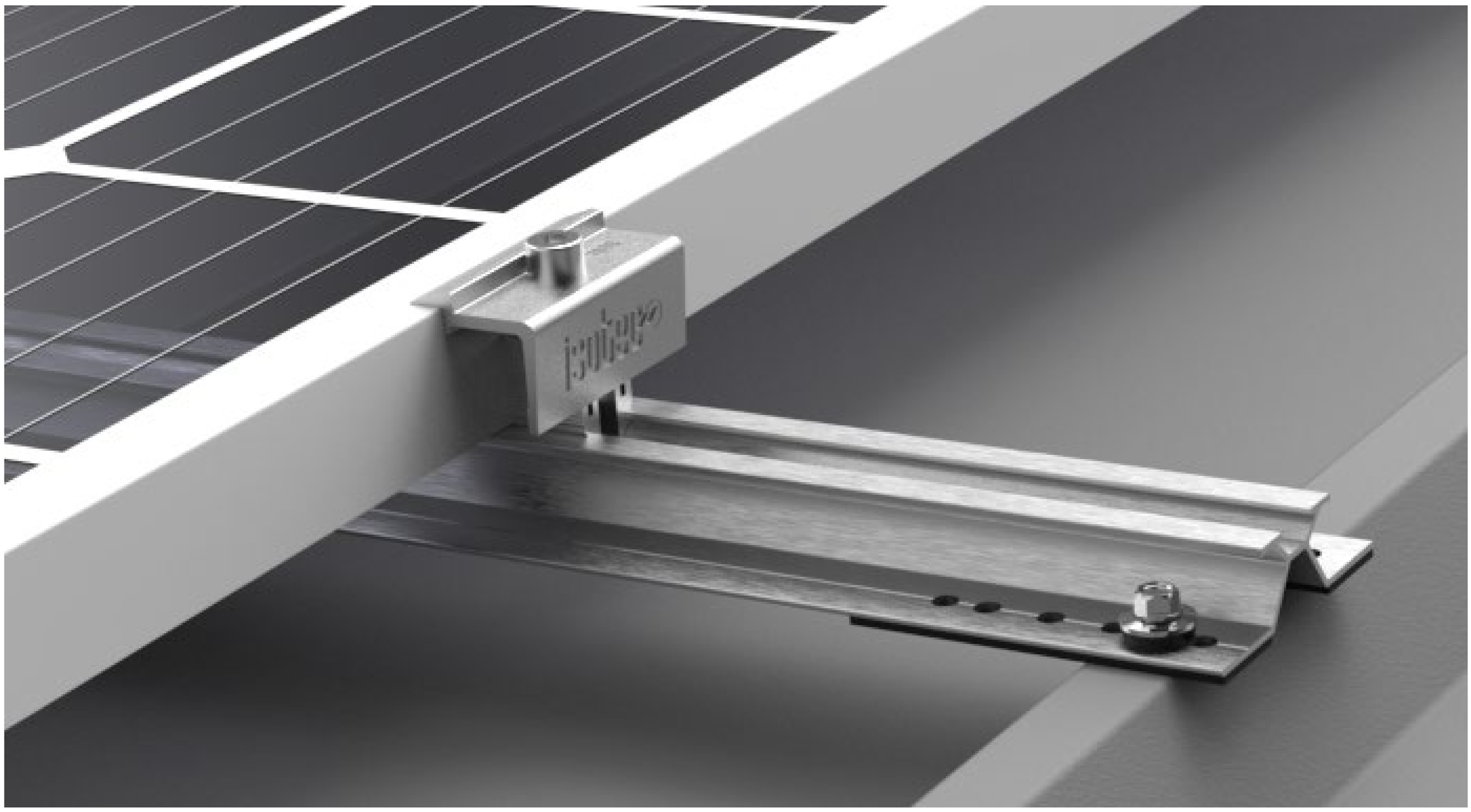


Trapezoidal & Sandwich Roof Mounting System

Optimized Solution – Short rails

- Optimized for easy installation
- Minimum components, better for storage and transport
- Universal PV module clamps
- EPDM seal pre-assembled





Waterproof rivet
Self drilling screw

ISOTRAP S

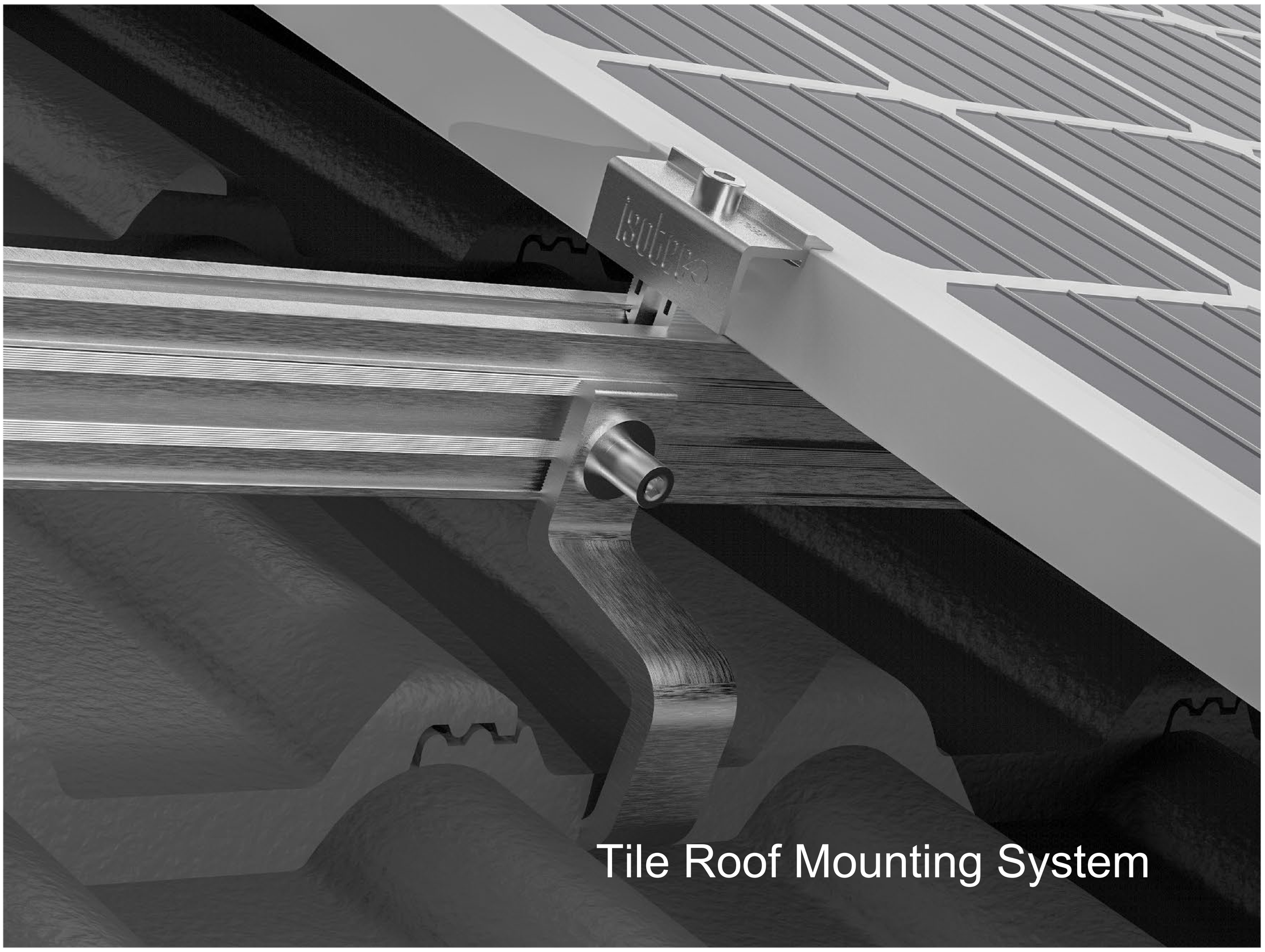
EasyClamp Middle

EasyClamp End

ISOTRAP S20

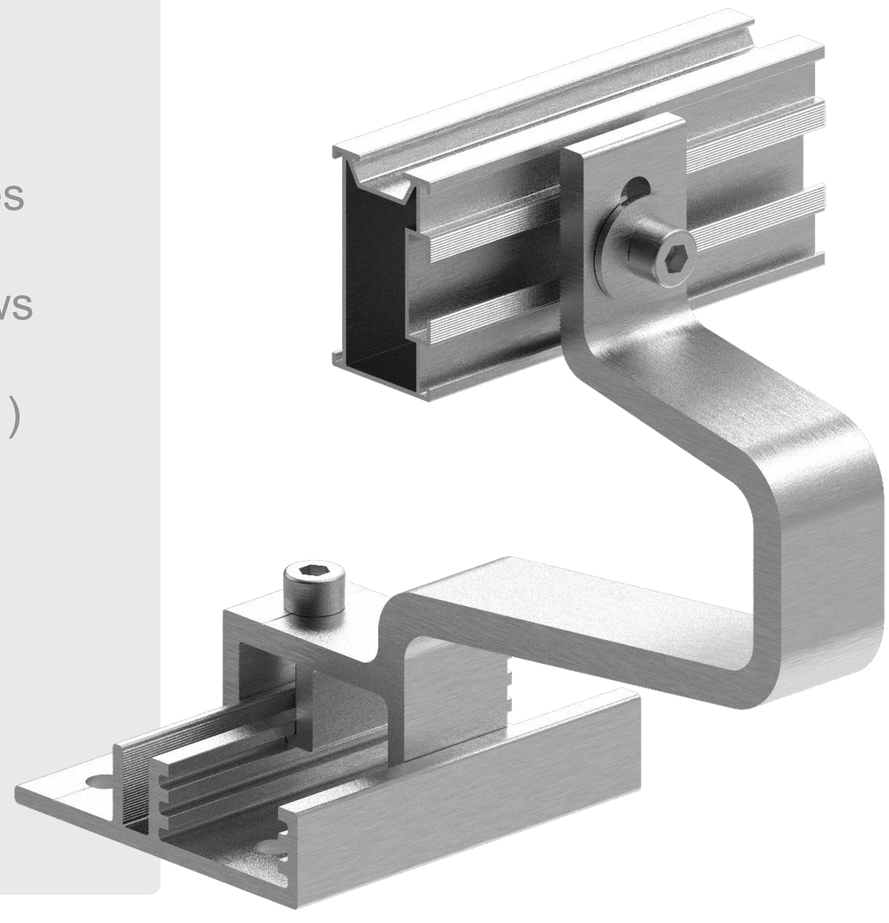
Scope of application	Trapezoidal & Sandwich panel roofs
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm
Fixations	Self drilling screw / Rivet
Materials	Profile, clamps : Aluminum 6063-T66 Rubber : EPDM Fasteners : Stainless A2-70 & Bimetal
Technical specifications	Used in horizontal and vertical layouts

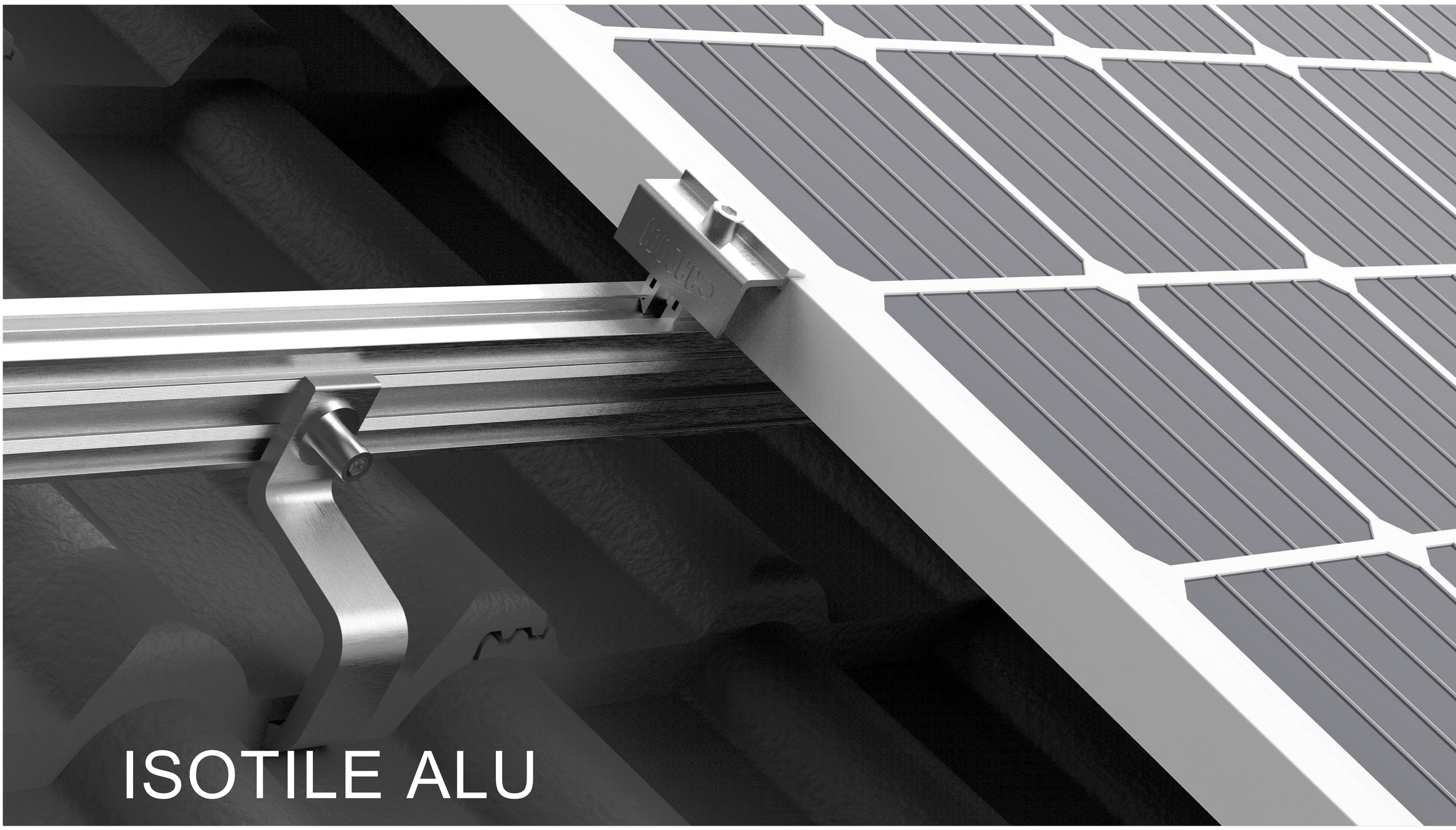
ISOTILE ALU



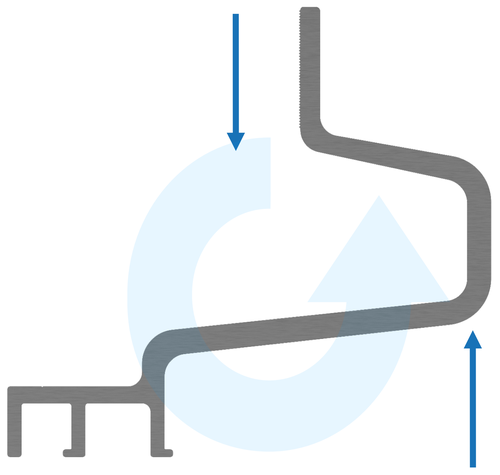
Universal use - High strength

- Optimized universal roof hook compatible with many tiles
- It is fixed to the roof purlins with special torx wood screws
- Thanks to its patented form, the axial forces (snowload) do not break the tiles
- Roof hooks made of aluminum





ISOTILE ALU



ISOTILE 23

Scope of application	Tile roofs
Compatible PV modules	L : 1.500 - 2.500 mm W : 990 - 1.330 mm H : 30 - 45 mm
Fixations	Wood screw
Materials	Profile, clamps : Aluminum 6063-T66 Fasteners : Stainless A2-70 & Bimetal Roof Hook : Aluminum 6063-T66
Technical specifications	Compatible with Landscape and Portrait layout Compatible Tile : Braas , Mediterranean..

ISOTEC **ONLINE TOOL**

1. Visit/login to our website at https://isotec.solarprotool.com

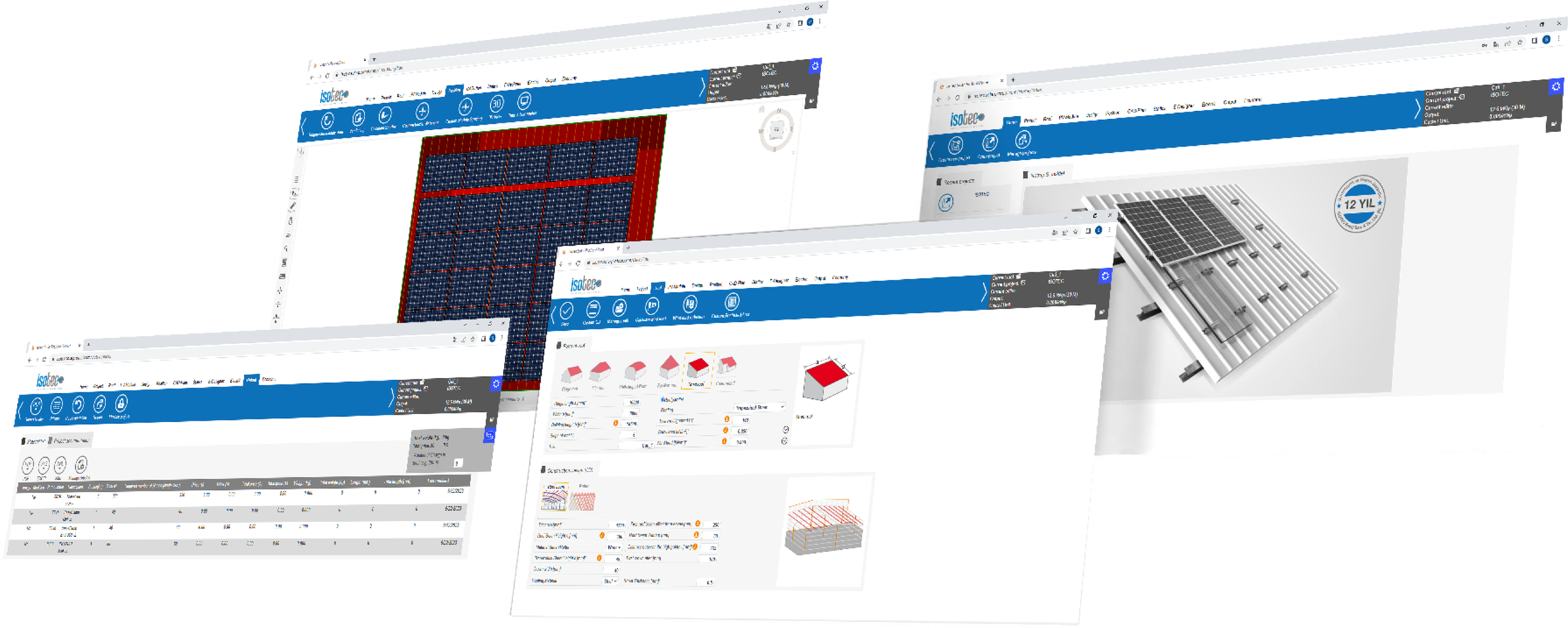
2. Create your own project design based on the roof types

3. Get your bill of material and request an offer

The ISOTEC OnlineTool is a software for a simple registration and fast planning of solar projects.

After collecting the project datas you will get a module plan with simulation of the shadowing, a workable CAD engineering plan, a list of the required material and a project report automatically.

The results are based on the ISOTEC mounting system with static calculations according the EN norms.



Check out our configurator for your projects.

For all pitched and flat roofs
Finish your design in 10 simple steps
In 2D or 3D (PDF, DXF, DWG)
Building authority certified
Precise ballast calculation for any type of flat roof
Drawings and bill of material

Just request access data and start planning!

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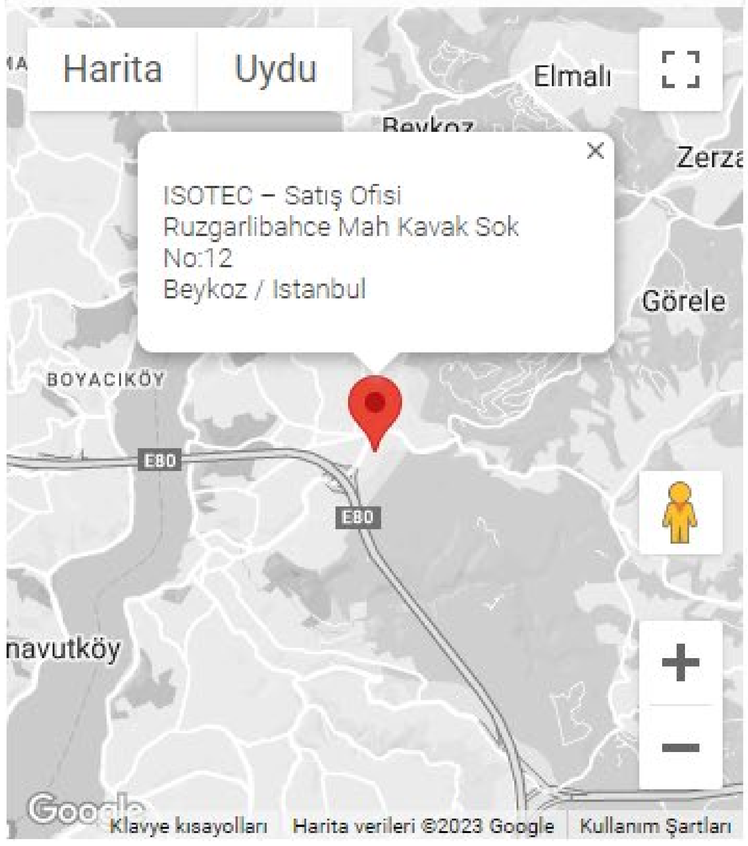

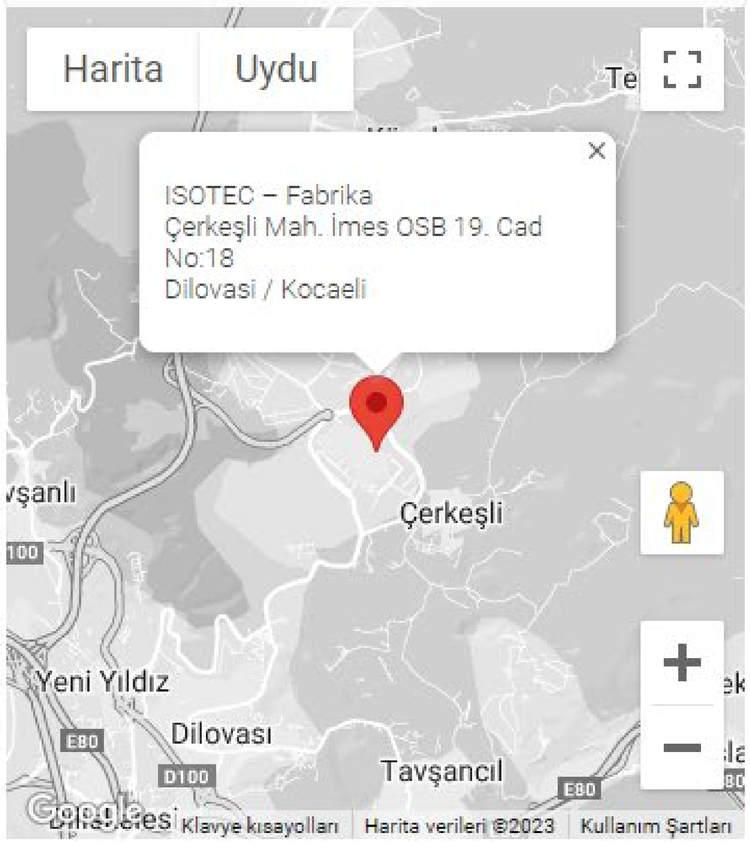

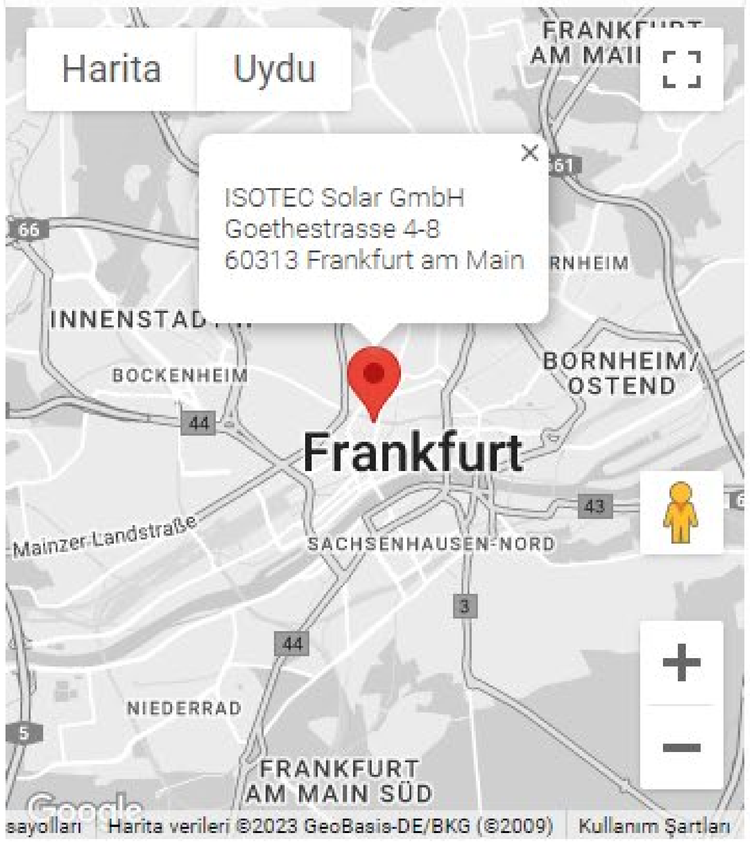

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2013
ISOTEC Turkey founded

2014
Turkey's first unlicensed 5.5 MW solar power plant was installed.

2017
A total of 1 GW of land mounting system were sold.

2019
ISOTEC Solar GmbH (Germany) founded.

2020
Solar Tracking System ISOTRACKER - R&D has started.

2021
A total of 1.75 GW of land and roof mounting systems were sold.

2022
Kocaeli production facility was established

2023
Istanbul export office was established.