



Innovative Solutions

Solar Mounting Systems



About us

ISOTEC Energy operates as a company that makes a difference in the solar energy sector with its innovative technologies and sustainable energy solutions. Since our establishment, we have been committed to making access to energy more environmentally friendly and economical worldwide. Specializing in solar energy systems, our expert team always aims to deliver the highest quality products and services, ensuring maximum customer satisfaction.

Our high-performance solar mounting systems and solar tracker systems are testaments to our innovation and engineering expertise in the industry. Through our investments in R&D, we provide solutions that address not only the needs of today but also the demands of the future. By integrating technological innovation into our business processes, ISOTEC Energy delivers more efficient, durable, and cost-effective products to its customers.

With the goal of bringing our success in the local market to the international stage, we offer adaptable solutions to clients in various regions around the world. Our company prioritizes environmental sustainability by adopting eco-friendly practices at every stage, from production to consumption, while promoting clean energy solutions.

ISOTEC Energy is not just a product provider but a trusted partner for our customers. We support your projects at every stage with technical assistance, consultancy, and training services. This comprehensive approach reinforces our position as a reliable and solution-oriented player in the industry.

We are not just doing business; we are shaping the future. As a pioneer in the transition to clean energy, we are committed to accelerating the transformation in the energy sector and providing solutions for a more livable world. As part of ISOTEC Energy, we are addressing today's needs while building the energy infrastructure of tomorrow.

Our Quality Approach



At ISOTEC Energy, quality is not just a goal but a fundamental value that guides us through every process. We apply strict control mechanisms and production processes in compliance with international standards to ensure excellence in our products and services.

From R&D to production, after-sales services, and customer relations, we manage all phases with a commitment to sustainable quality. By integrating eco-friendly production practices and innovative technologies, we aim to deliver the most reliable and efficient products in the industry.

ISOTEC Energy is committed to exceeding customer expectations with a quality-driven approach while setting an example within our sector.

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

●

Suitable

●

Not suitable

ISOGROUND

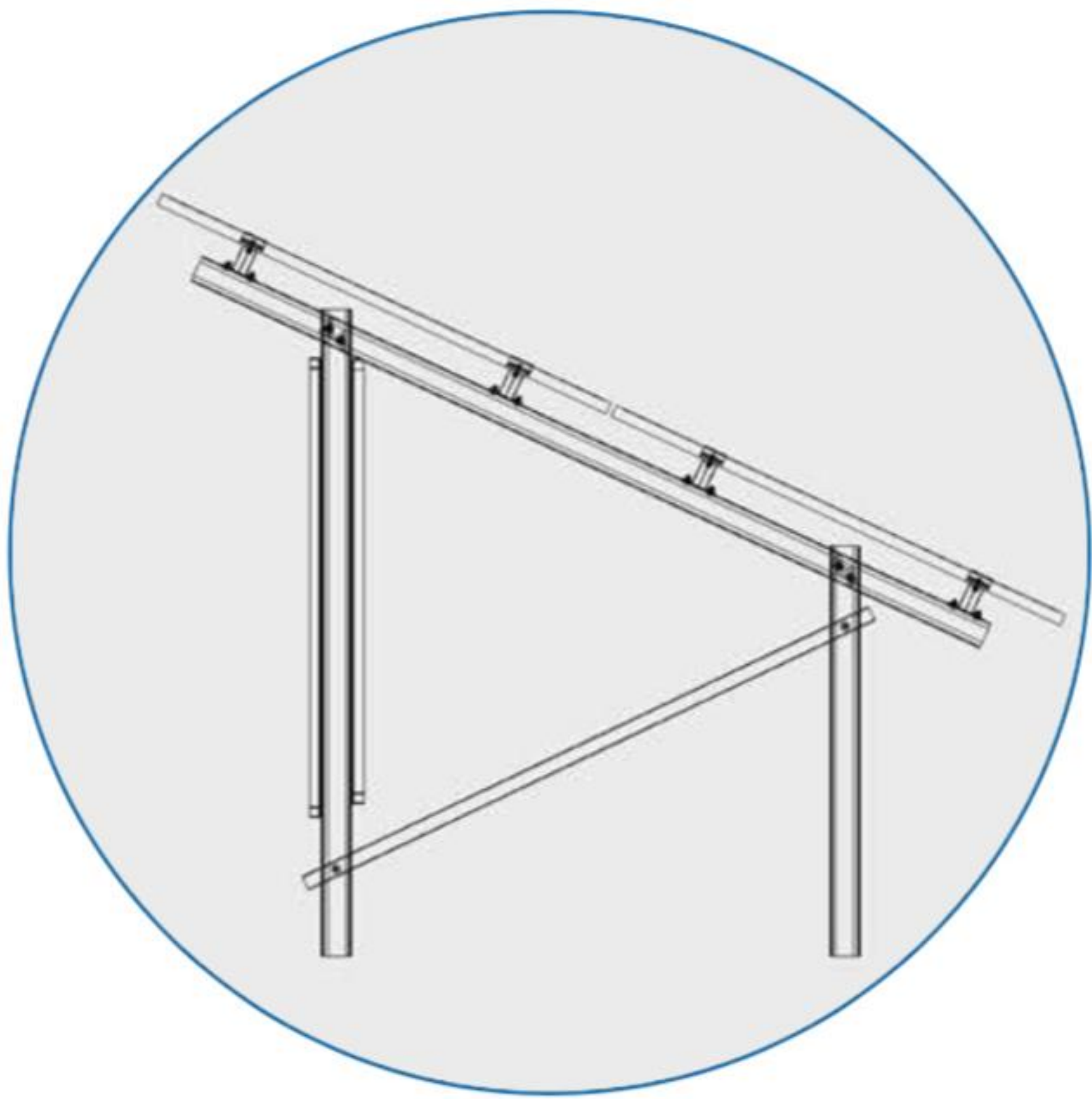


Fixed Ground Mounting System

Optimum Solution

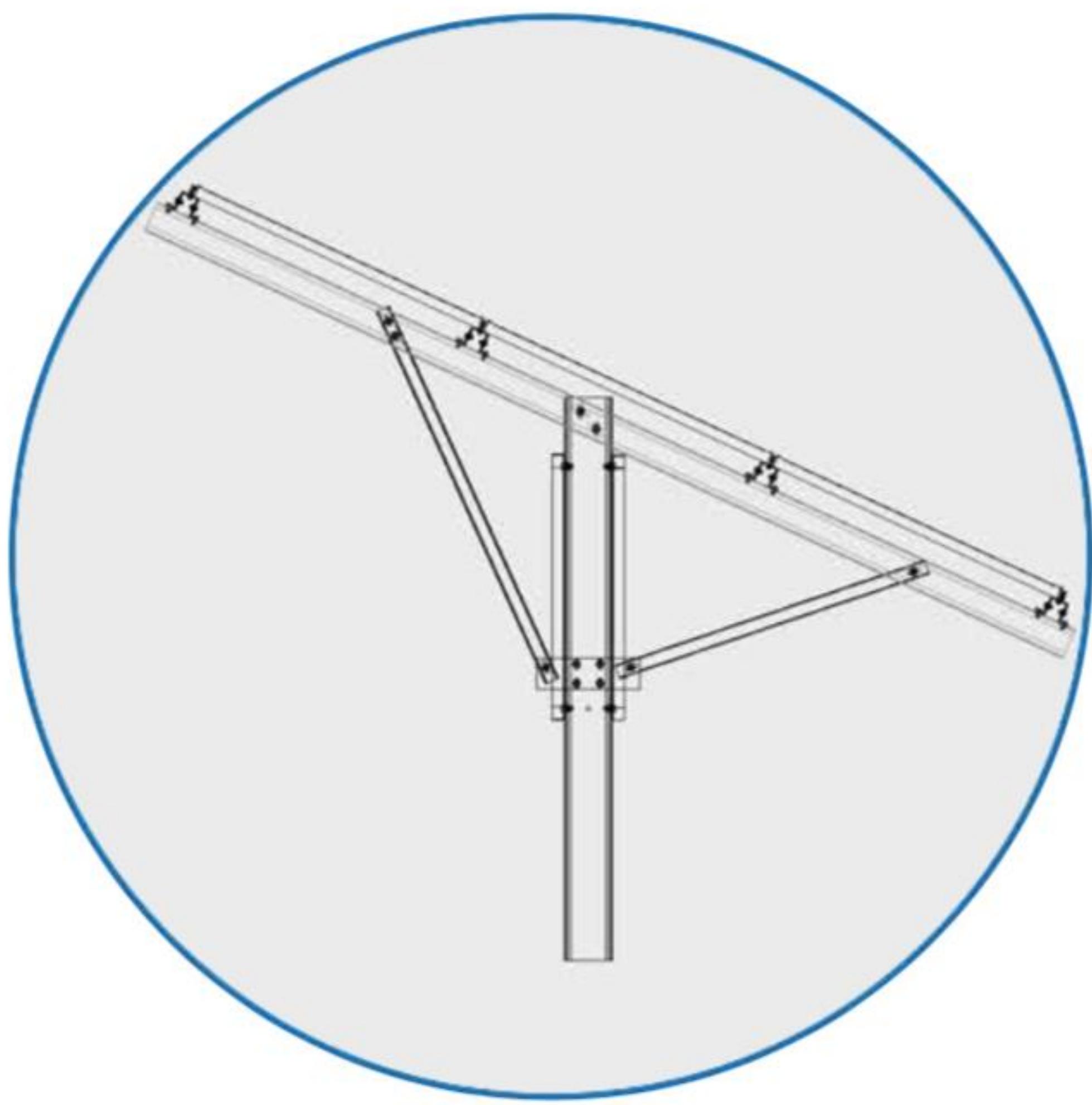
- ▶ Extensive flexibility
- ▶ Modular construction
- ▶ High security
- ▶ Maximum strength
- ▶ Long service life
- ▶ Easy maintenance





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

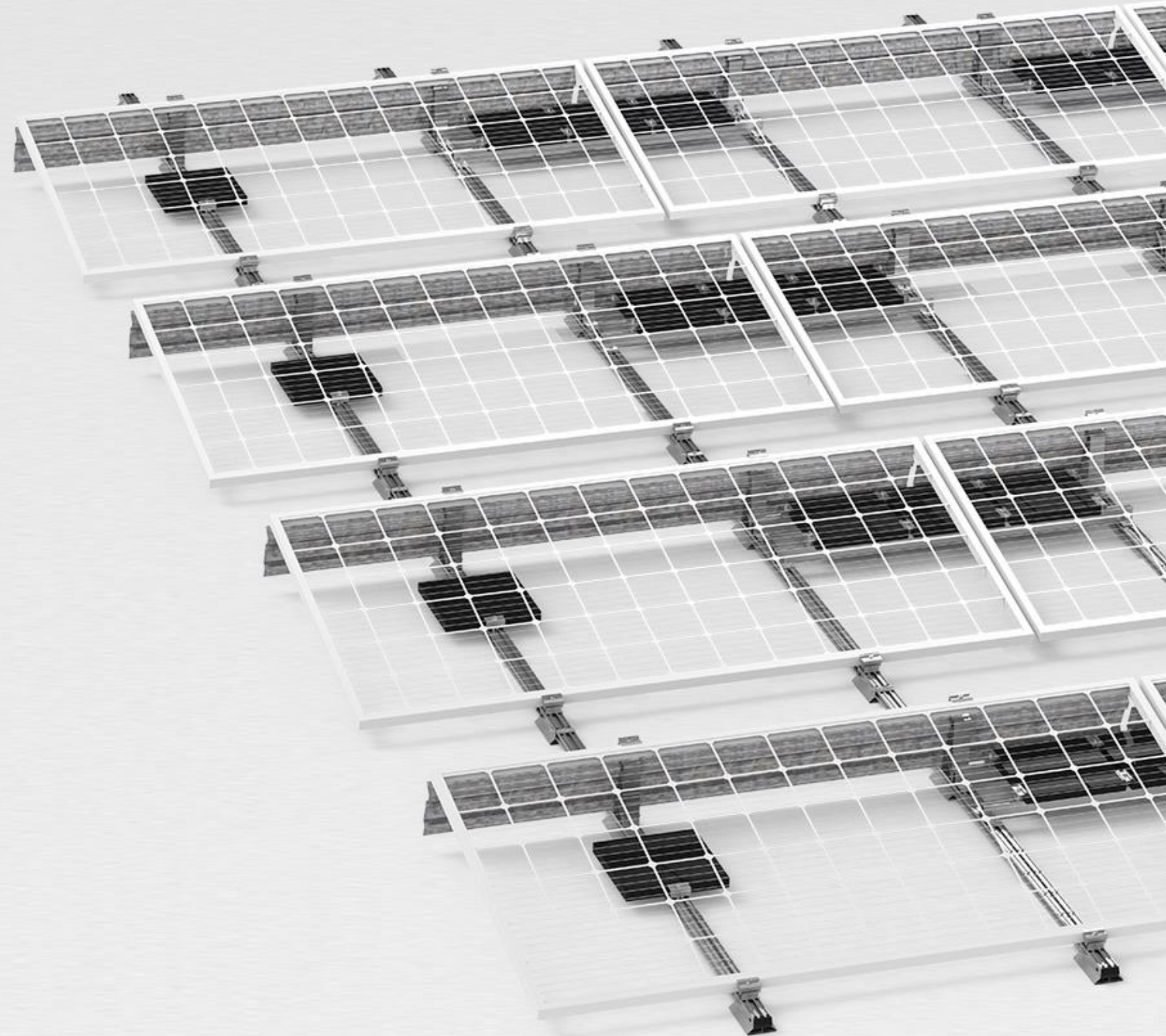
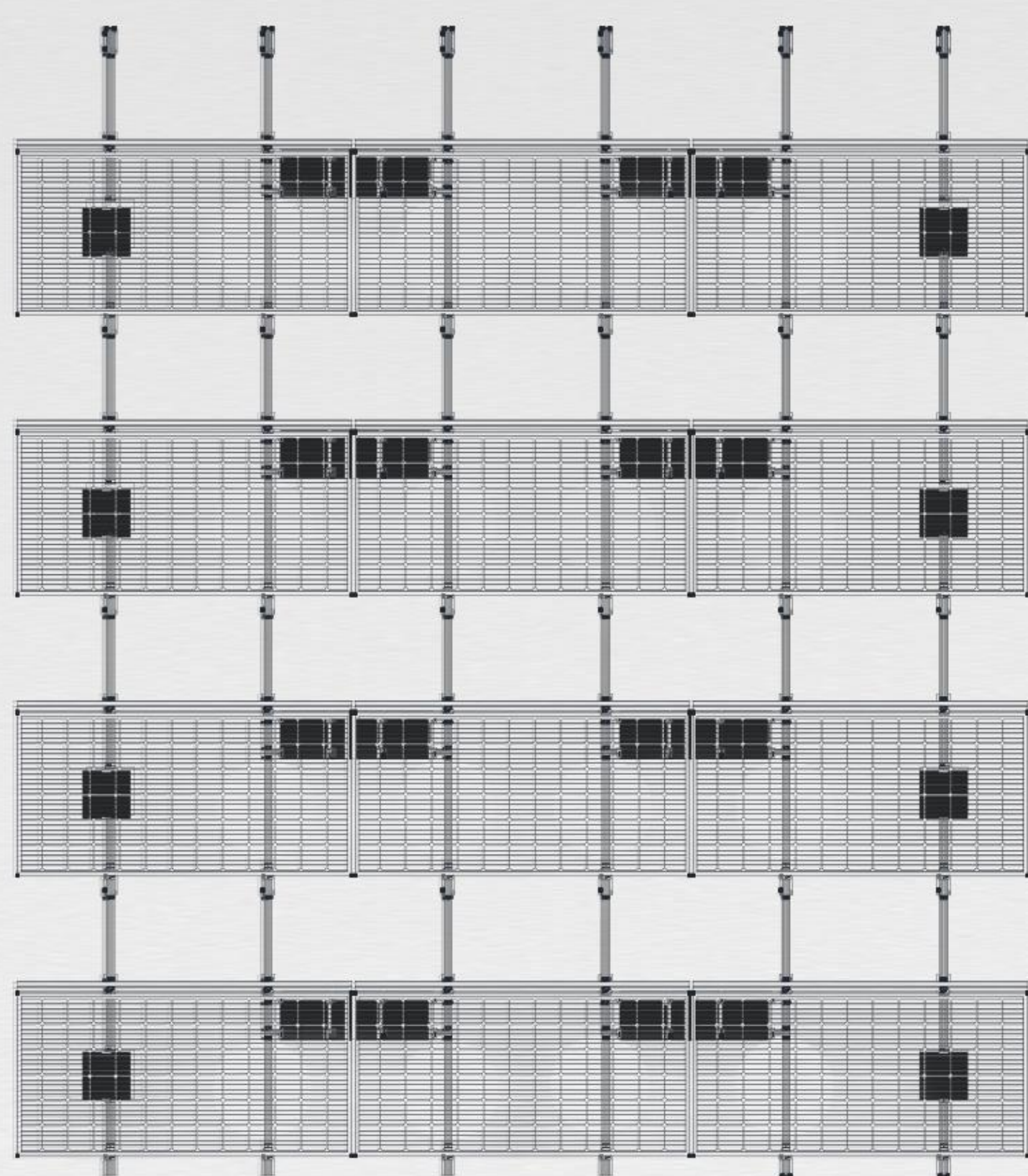
Aerodynamic Optimized Solution

- ▶ 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



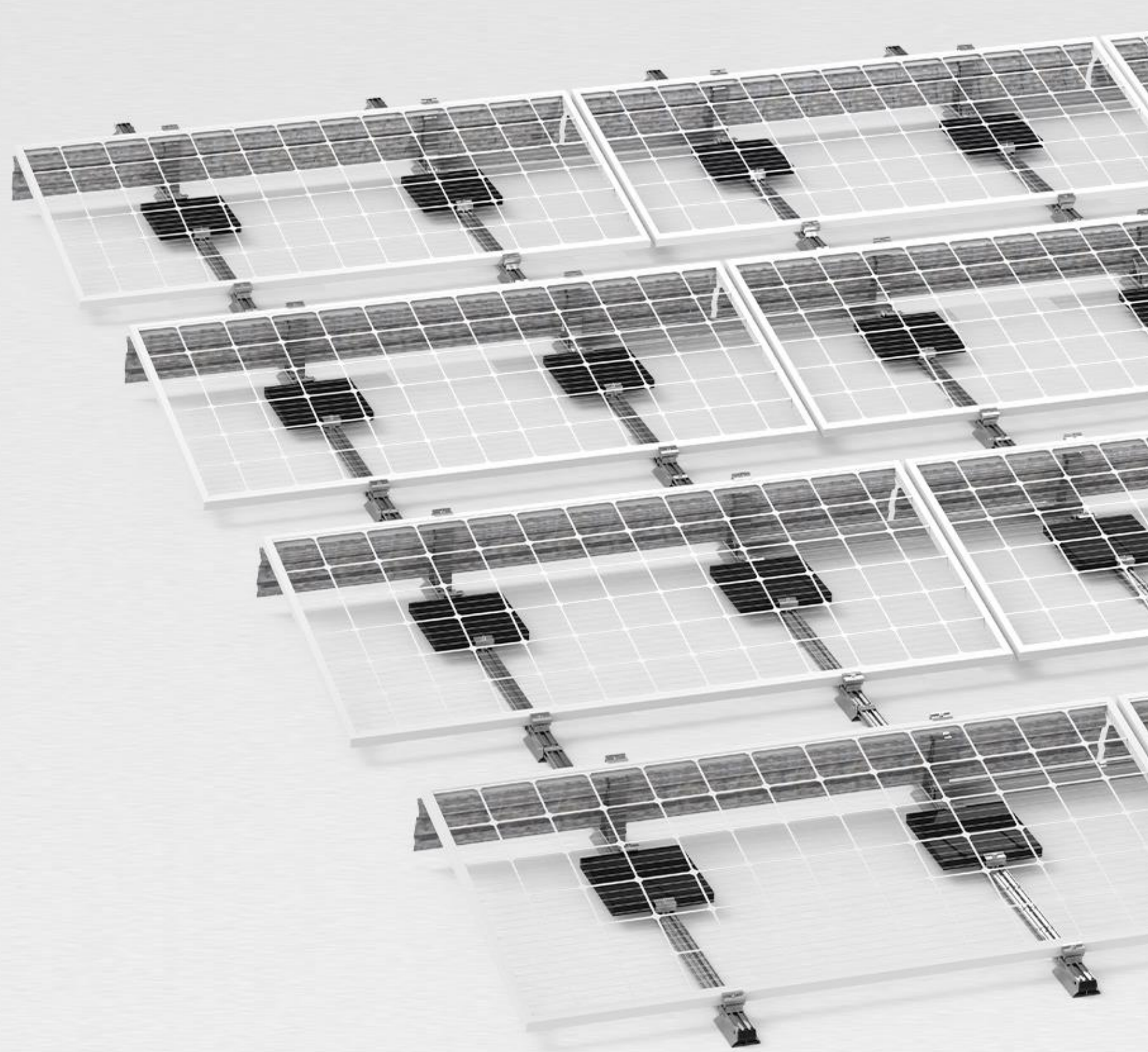
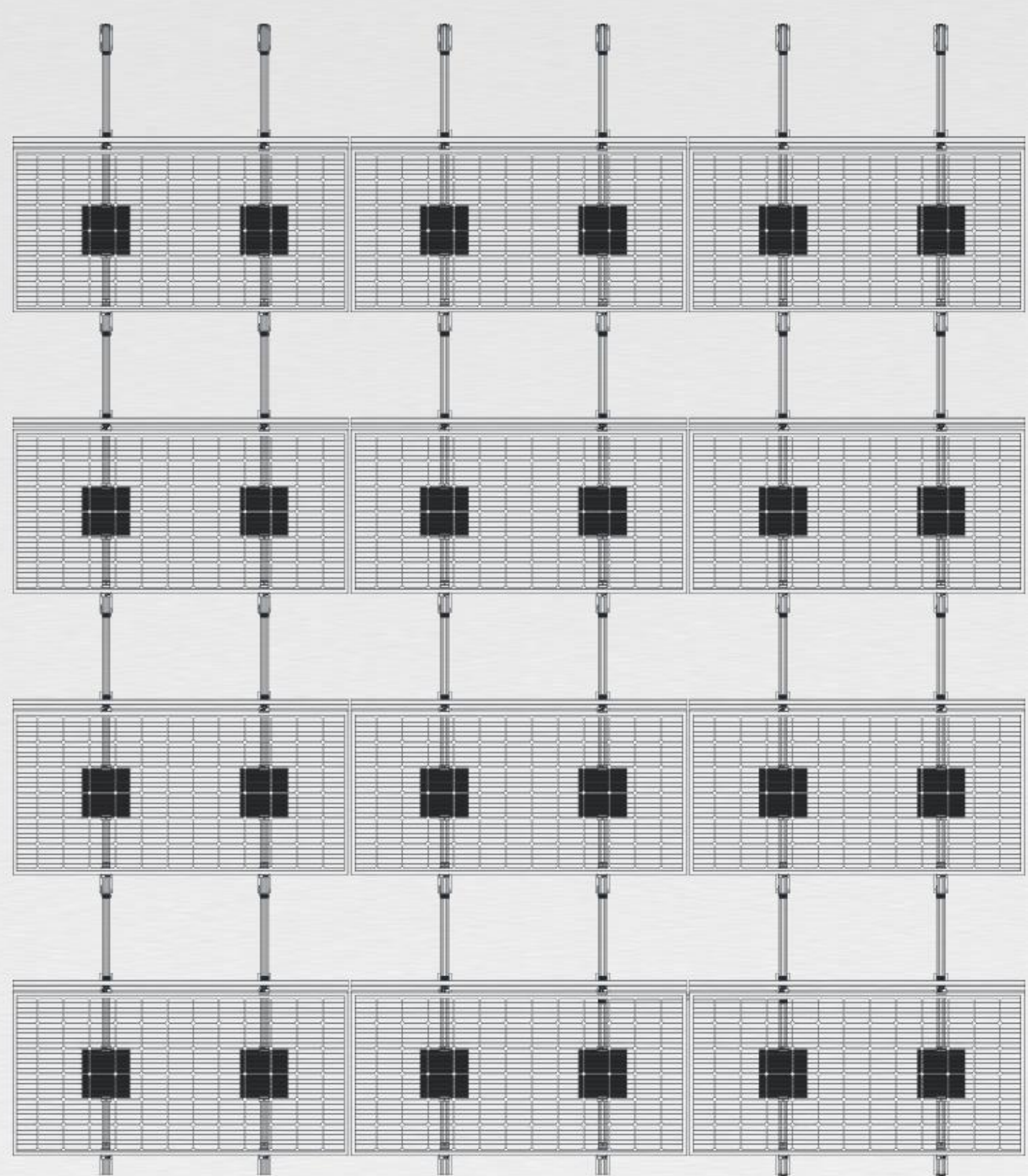
FIXATION TYPES

1.Extra loads



Additional ballast can be placed with extra carrier rails.

2.Standard



The required ballast are placed directly on the rails.

ISOFLAT S – v3

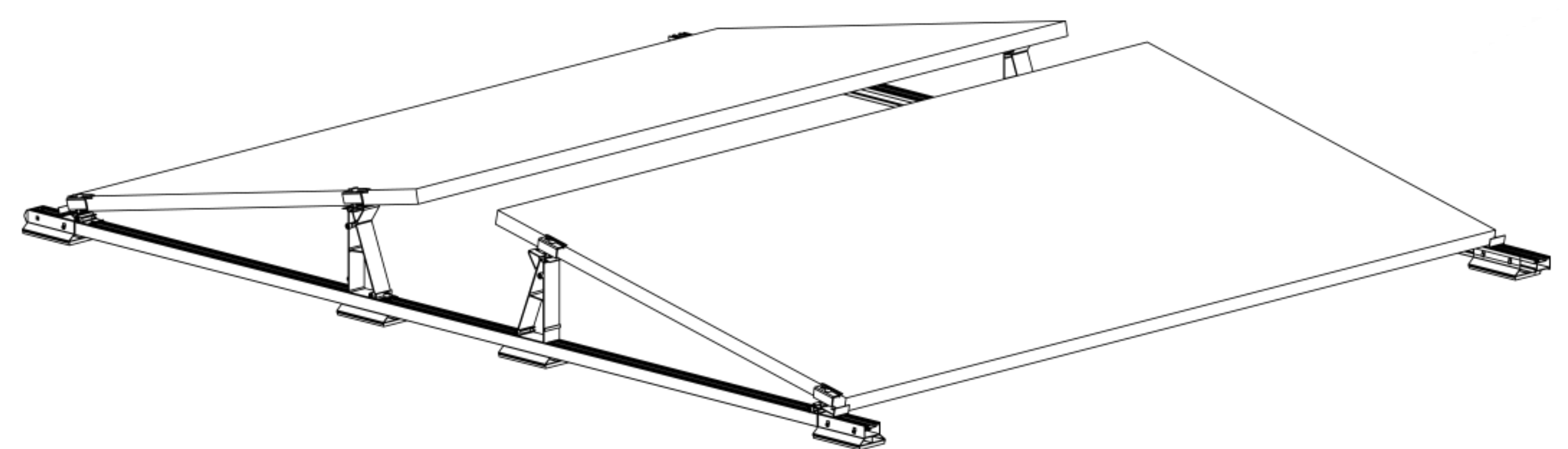
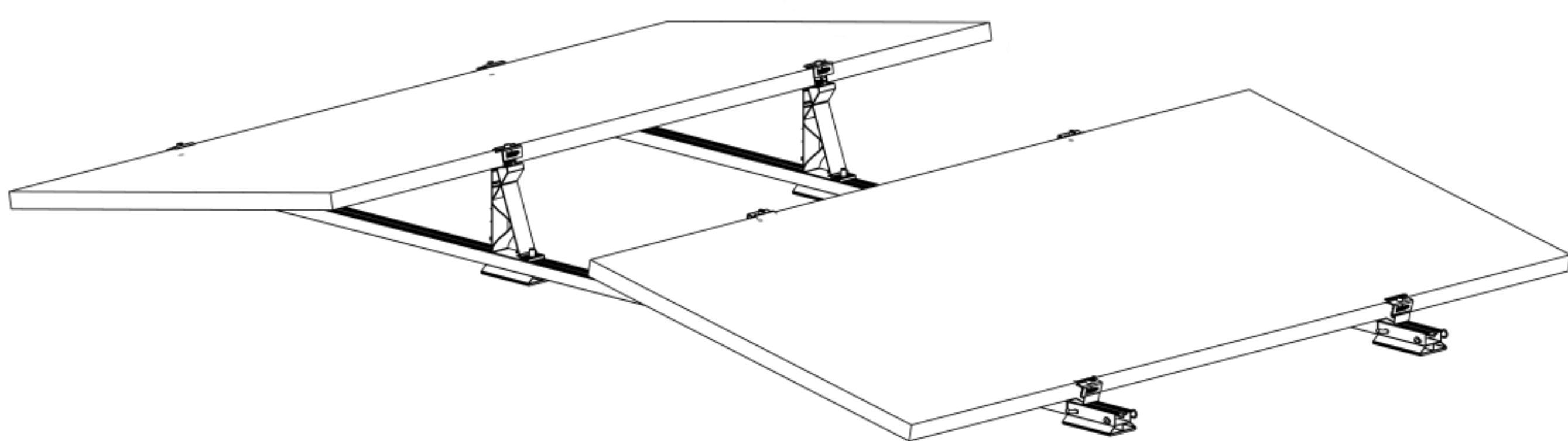
Scope of application	Flat roofs, concrete, bitumen, sheets, green roofs, gravel or trapezoidal sheets	
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm	
Foundation type	Ballast, Anchor, IMC	
Inclination Angle	8-12°	
Materials	Profile, clamps	: Aluminum 6063-T66 / 6005-T6
	Supports	: 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



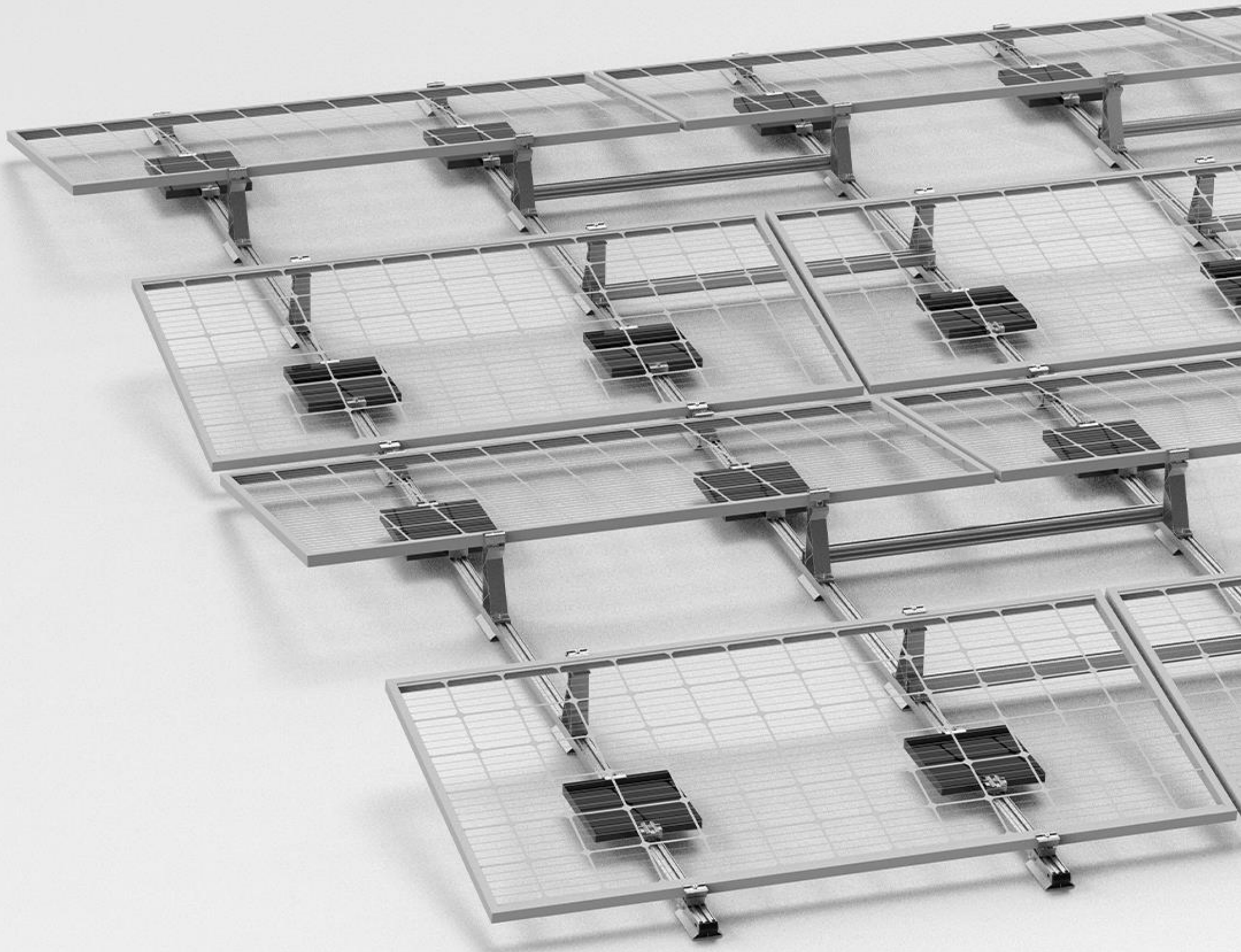
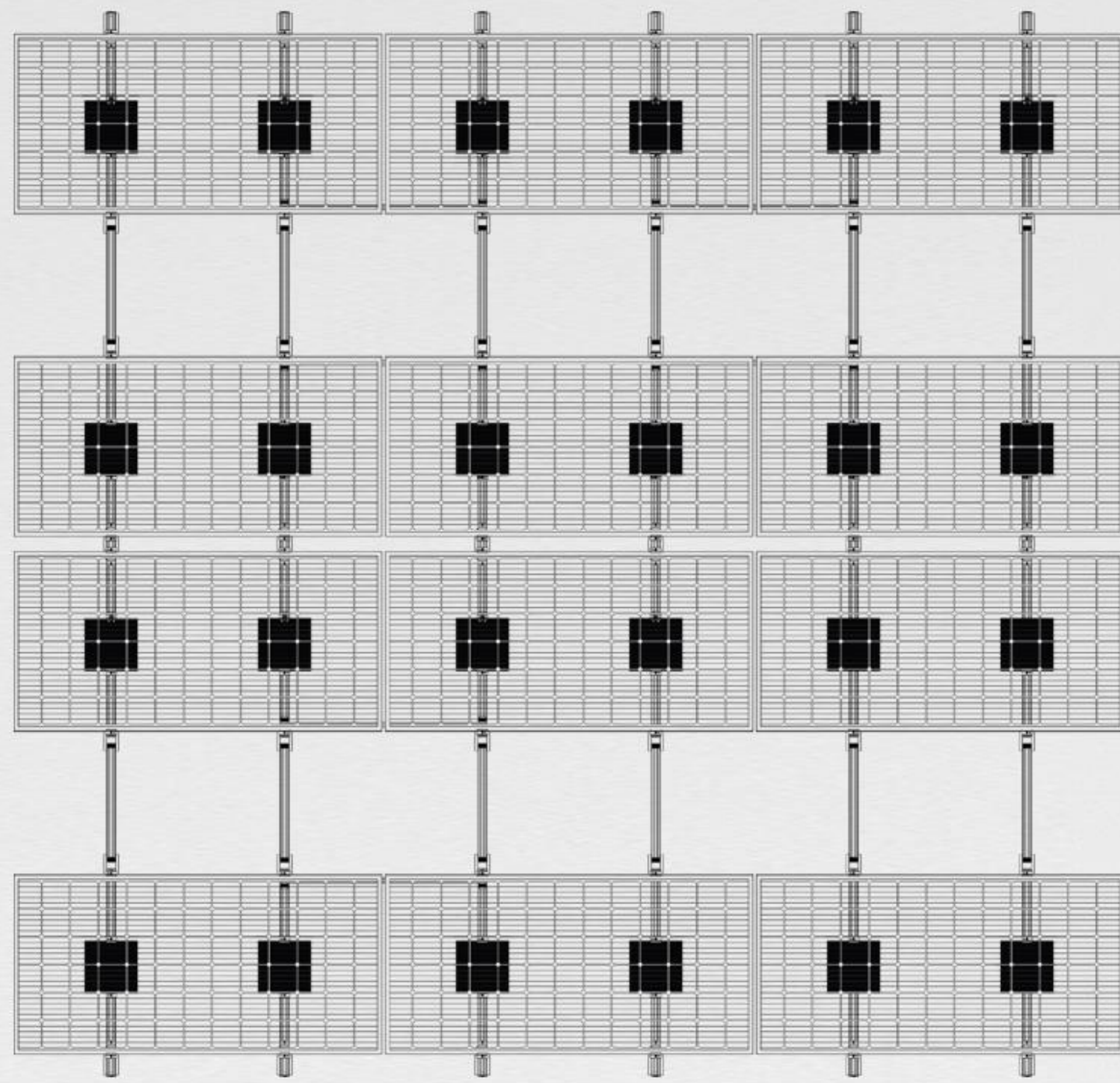
Aerodynamic - Minimum Ballast

- ▶ 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



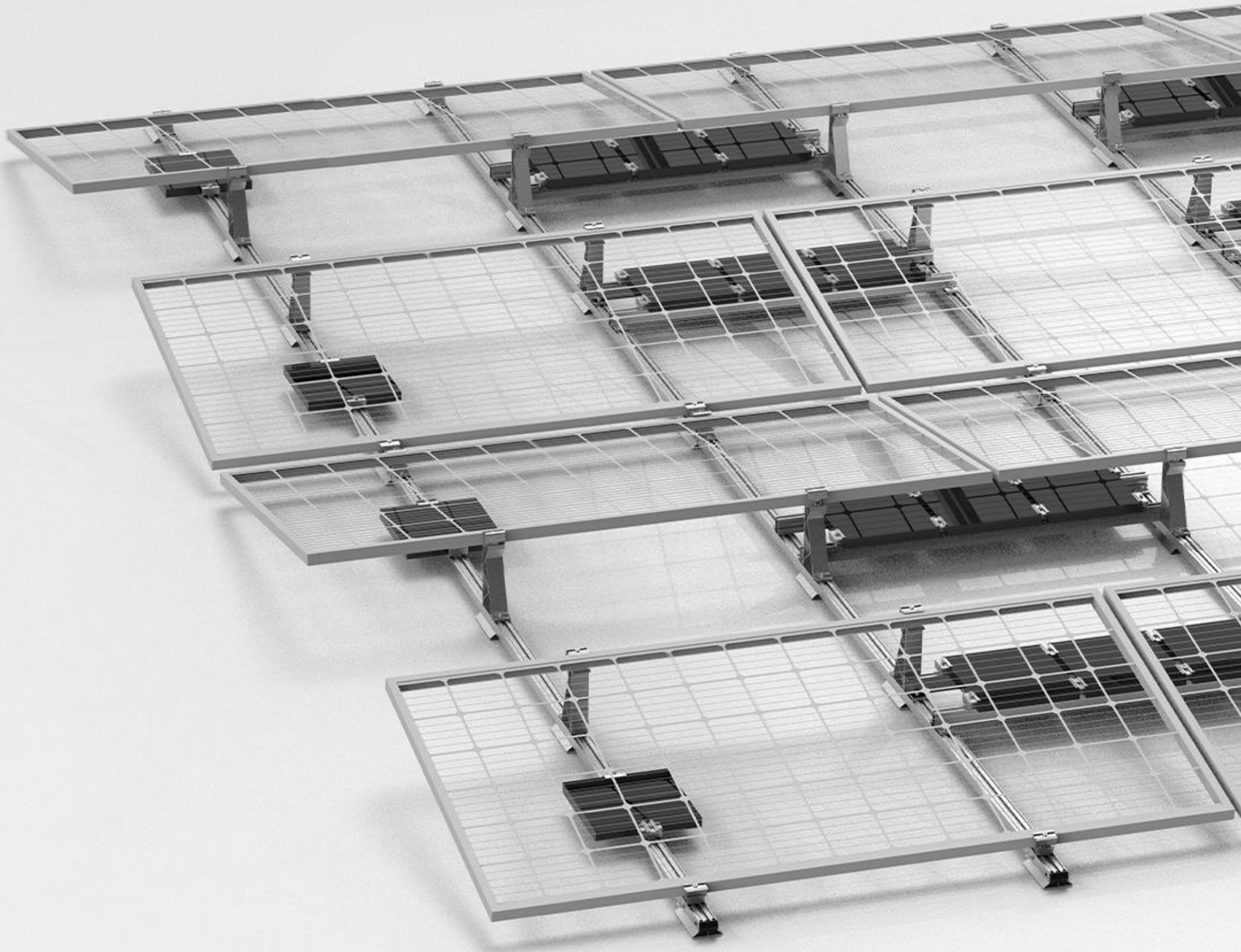
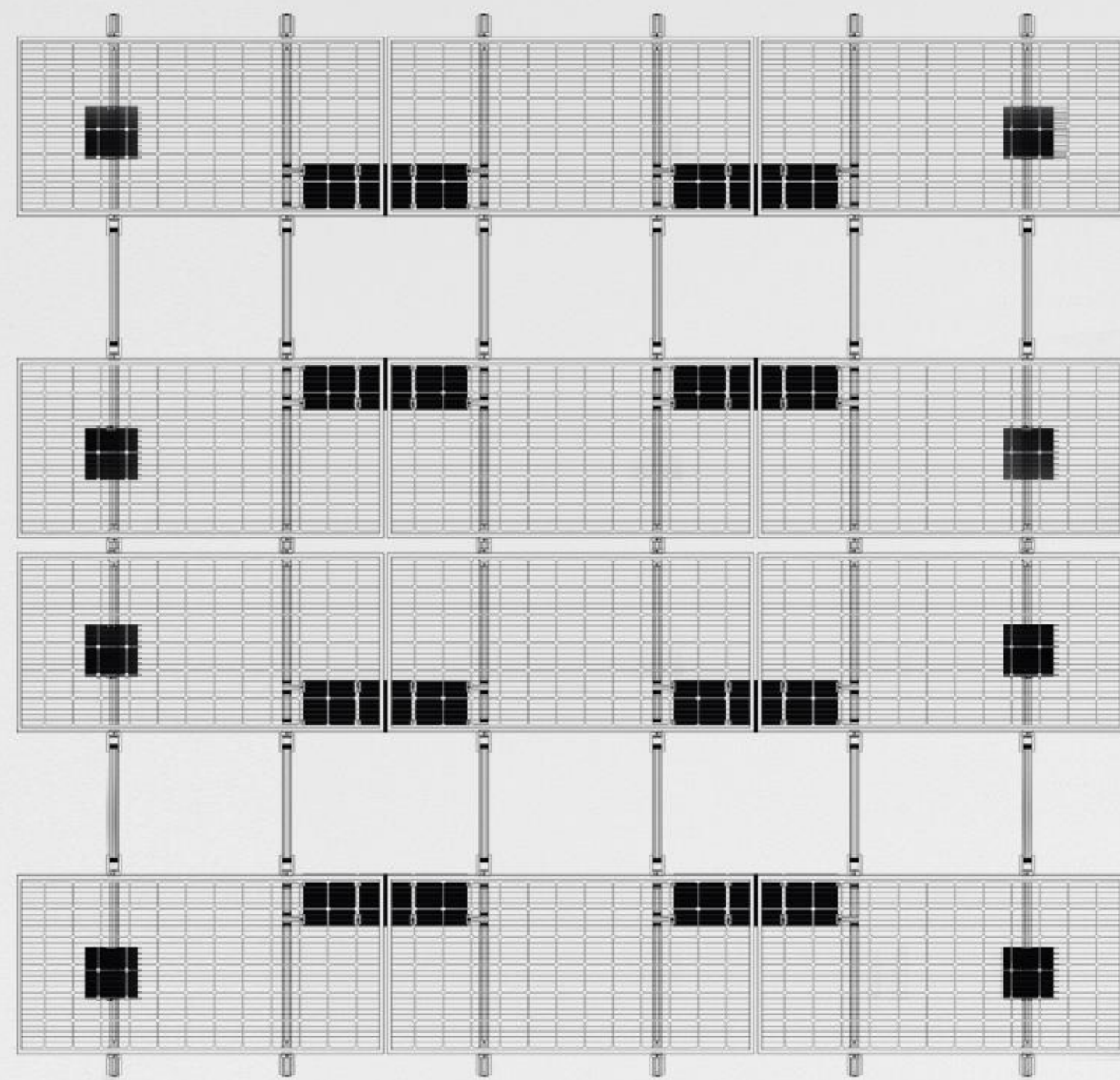
FIXATION TYPES

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

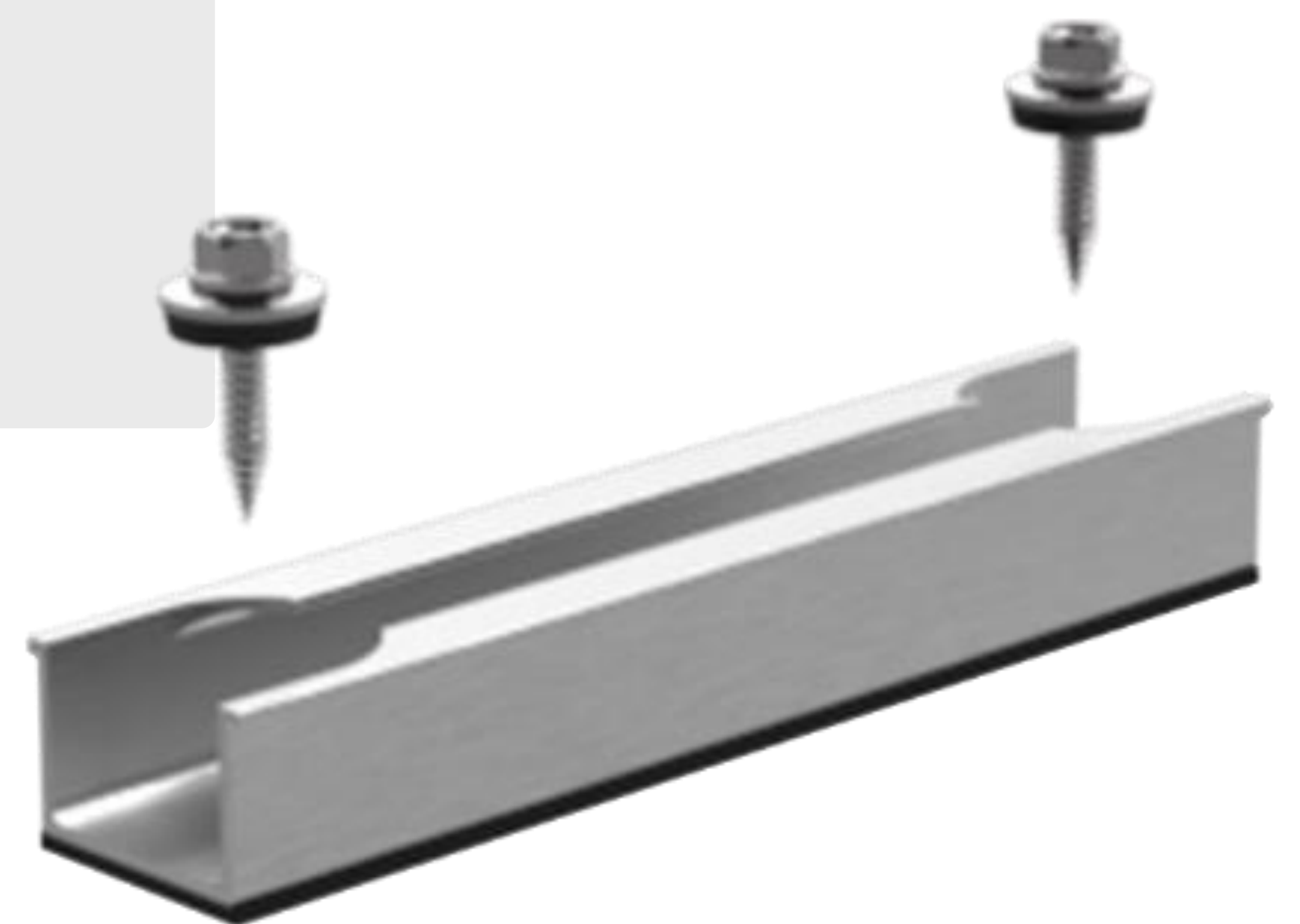
Scope of application	Flat roofs, concrete, bitumen, sheets, green roofs, gravel or trapezoidal sheets	
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm	
Foundation type	Ballast, Anchor, IMC	
Inclination Angle	8-12°	
Materials	Profile, clamps	: Aluminum 6063-T66 / 6005-T6
	Supports	: 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	

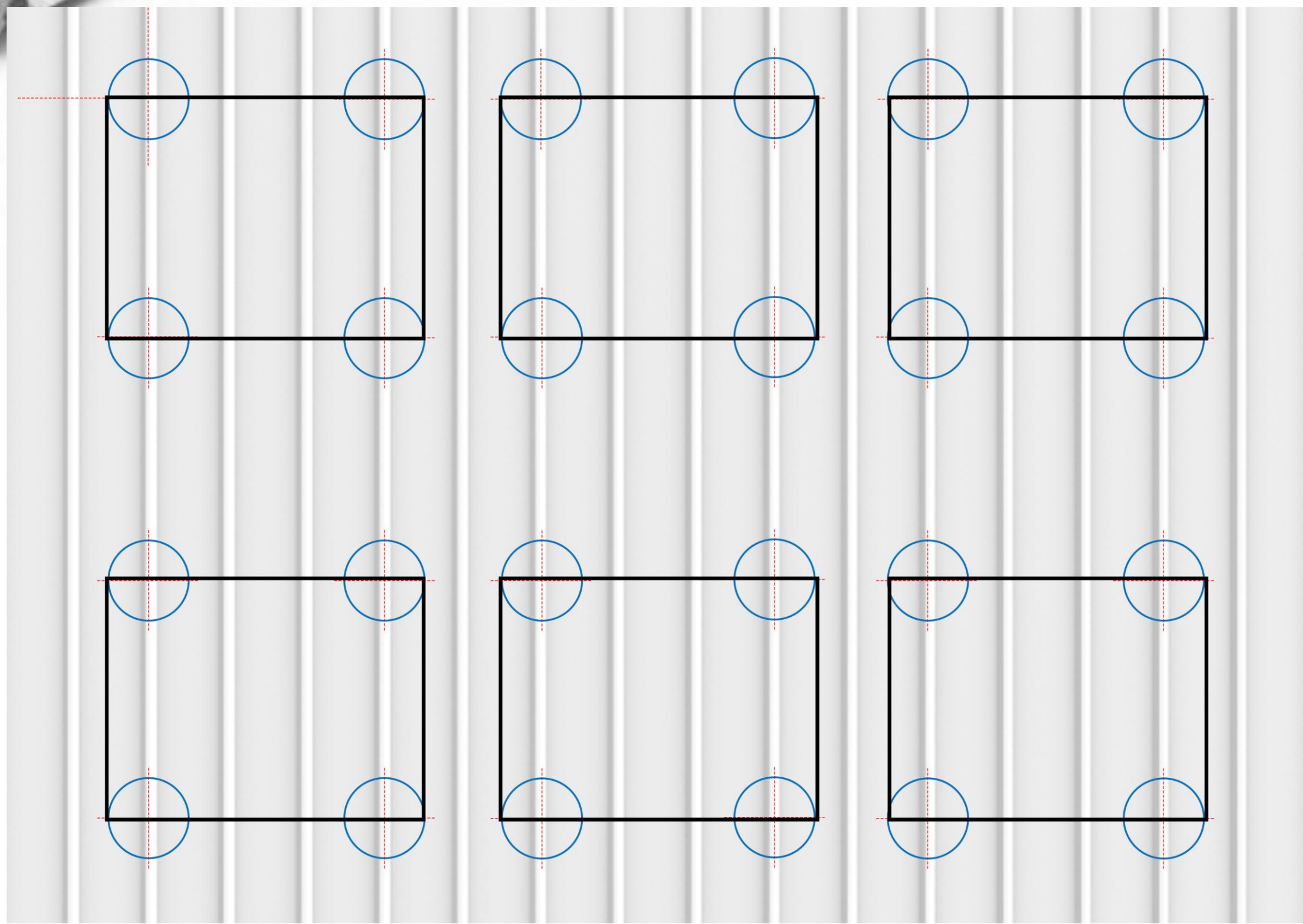
ISOTRAP Mini v3



Low Cost – Optimum Solution

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





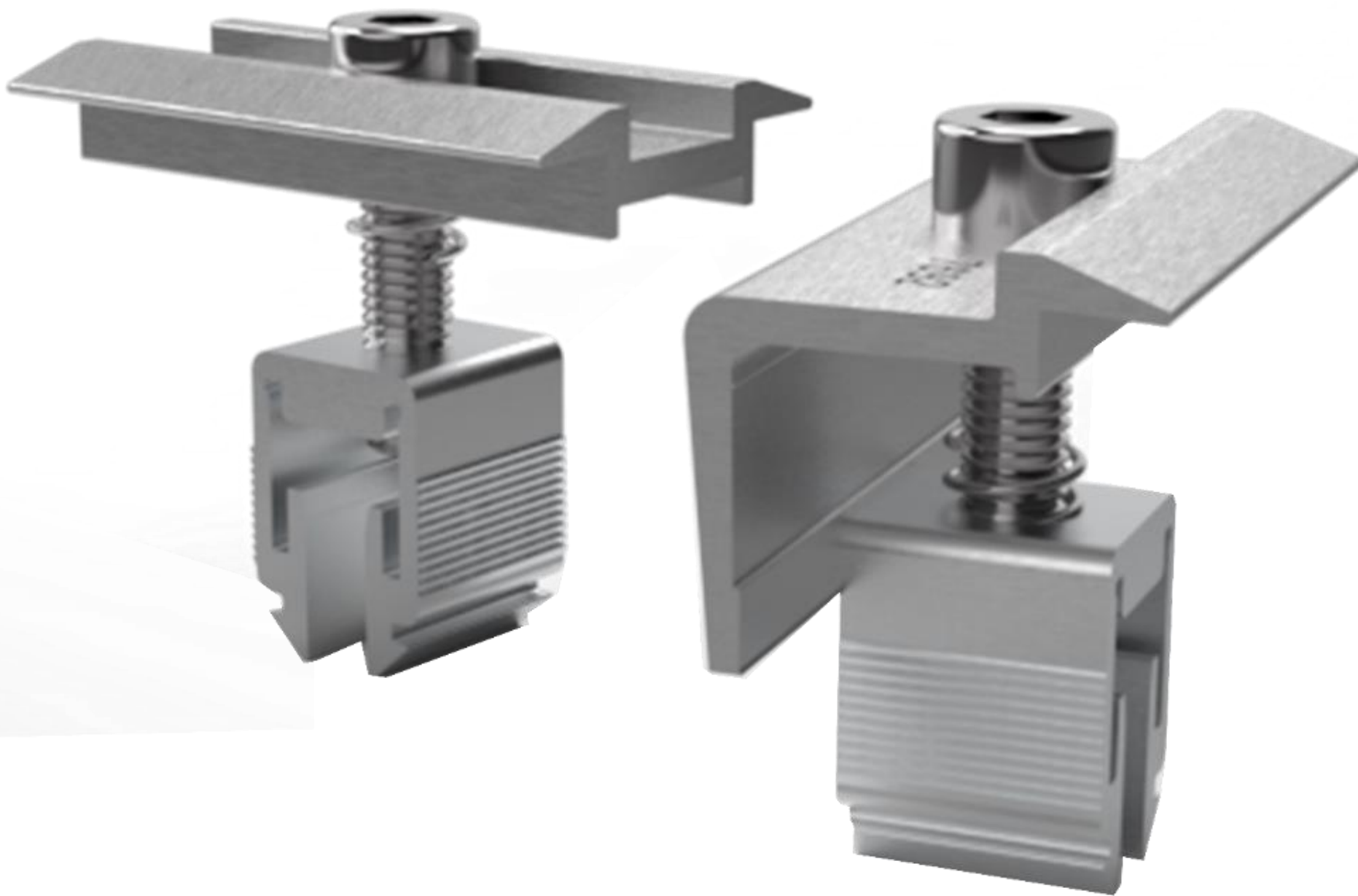
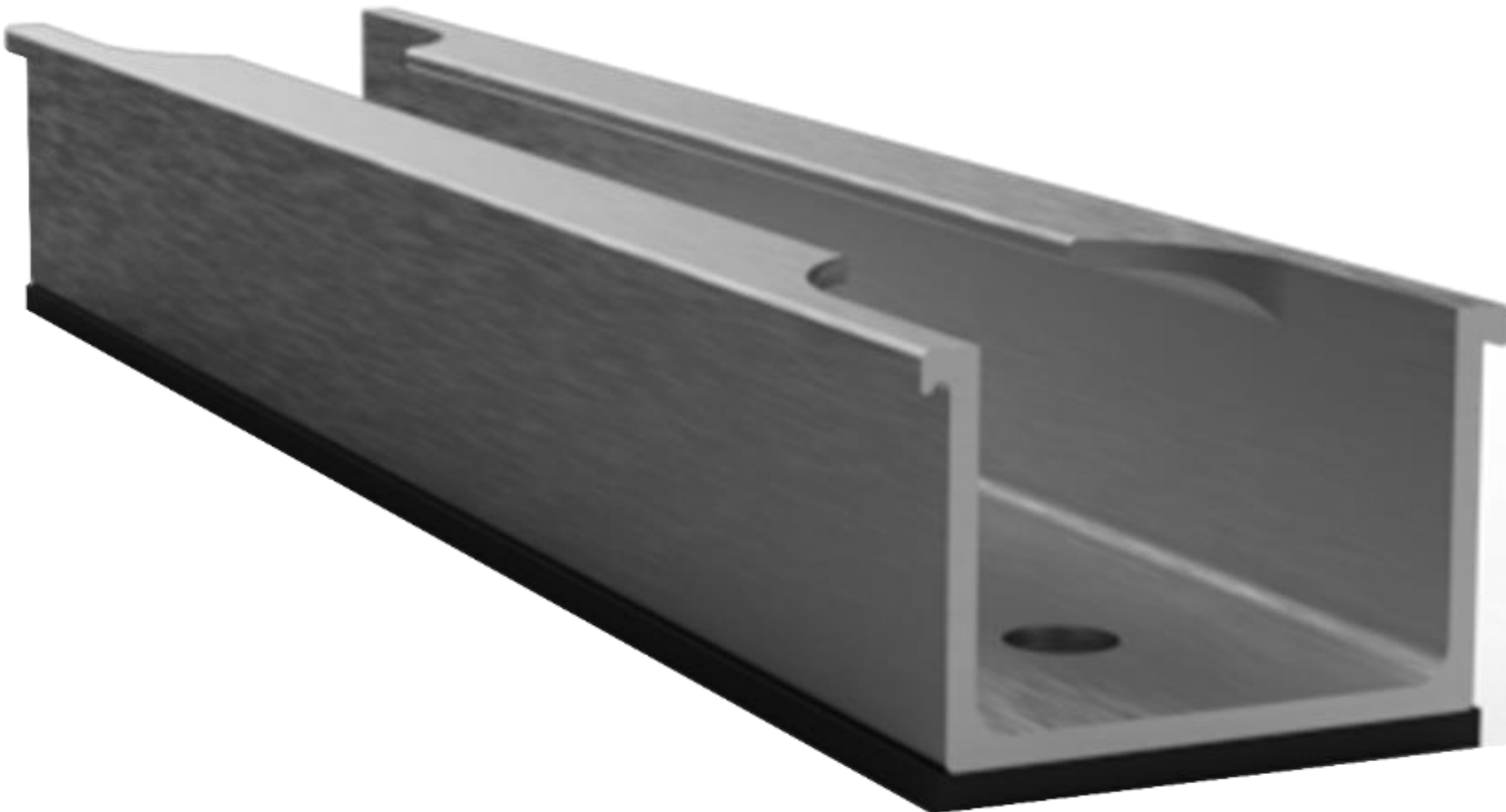
Waterproof rivet

Self drilling screw

ISOTRAP Mini v3

EasyClamp Middle

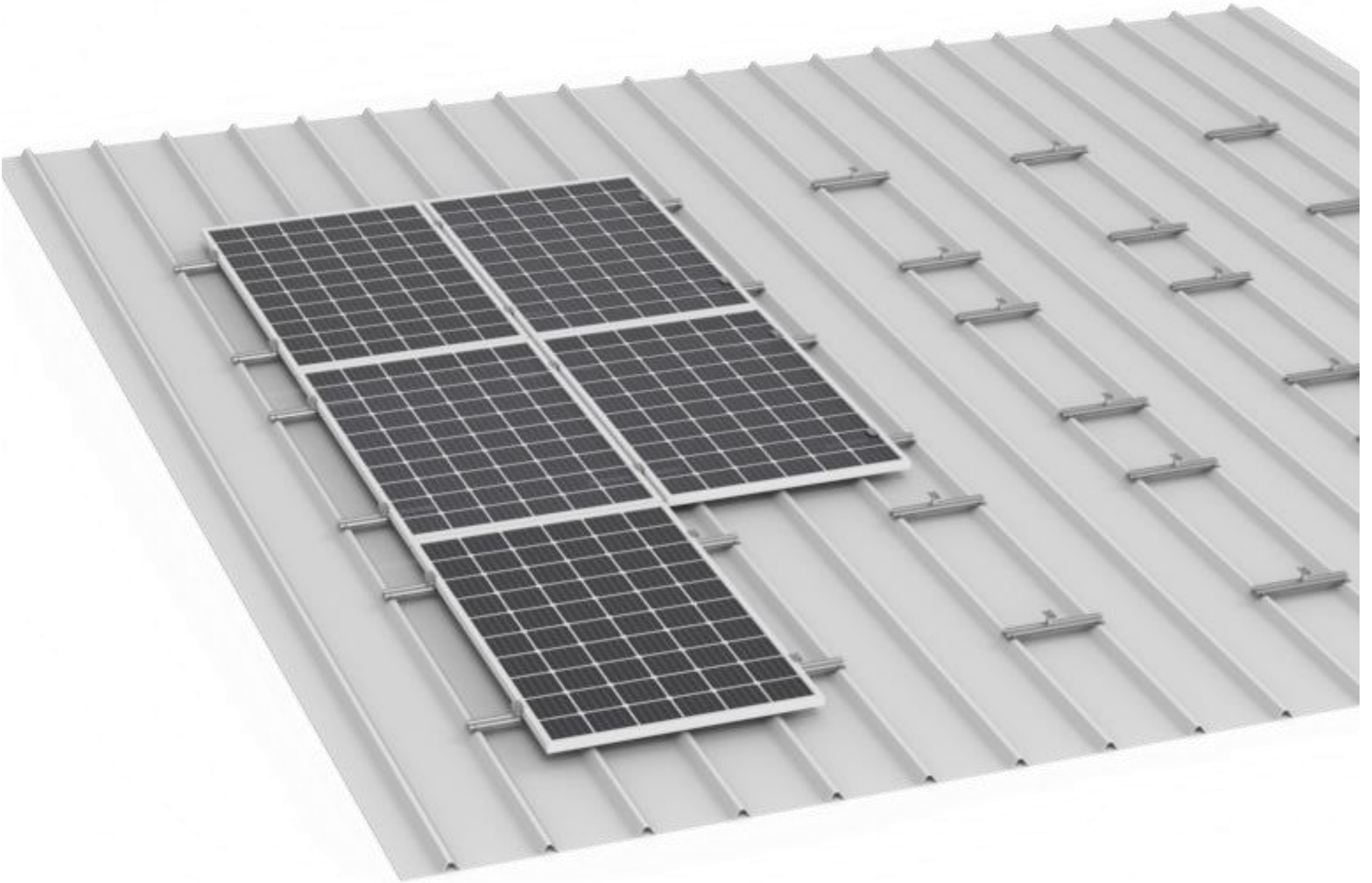
EasyClamp End



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

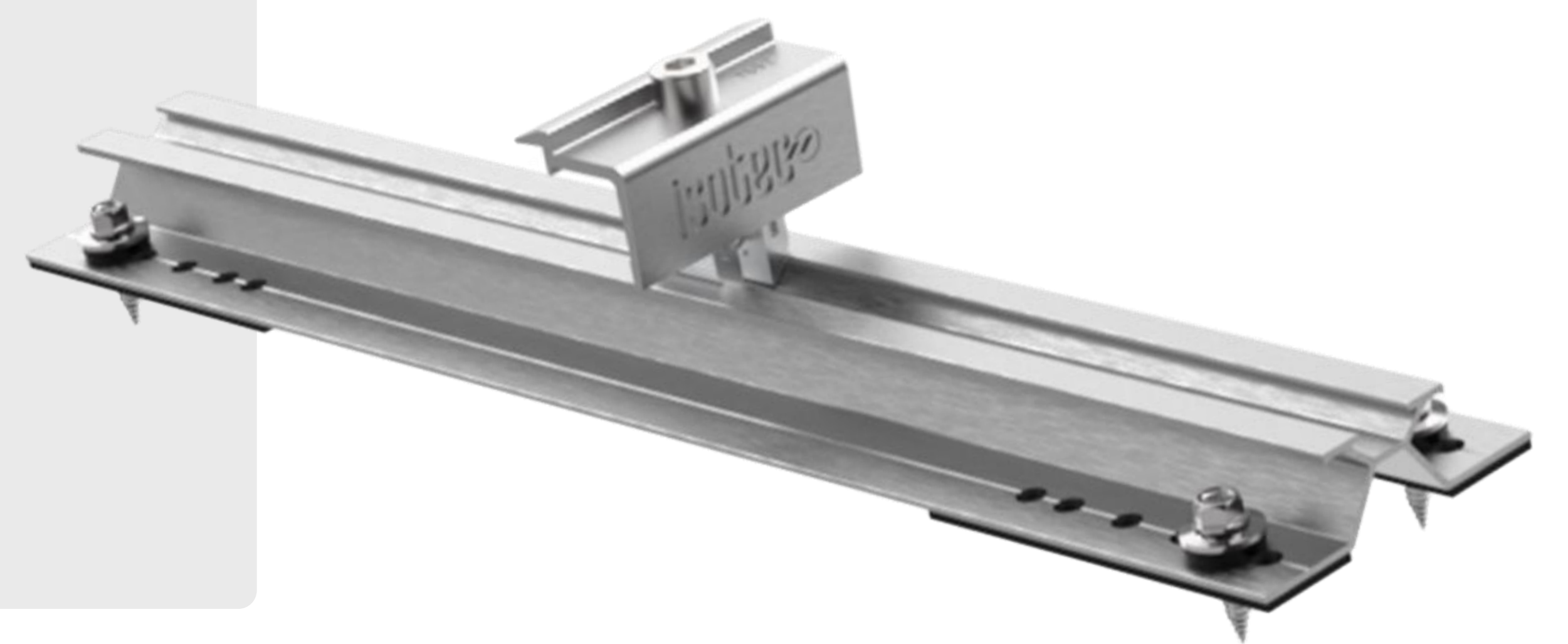
ISOTRAP S20



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

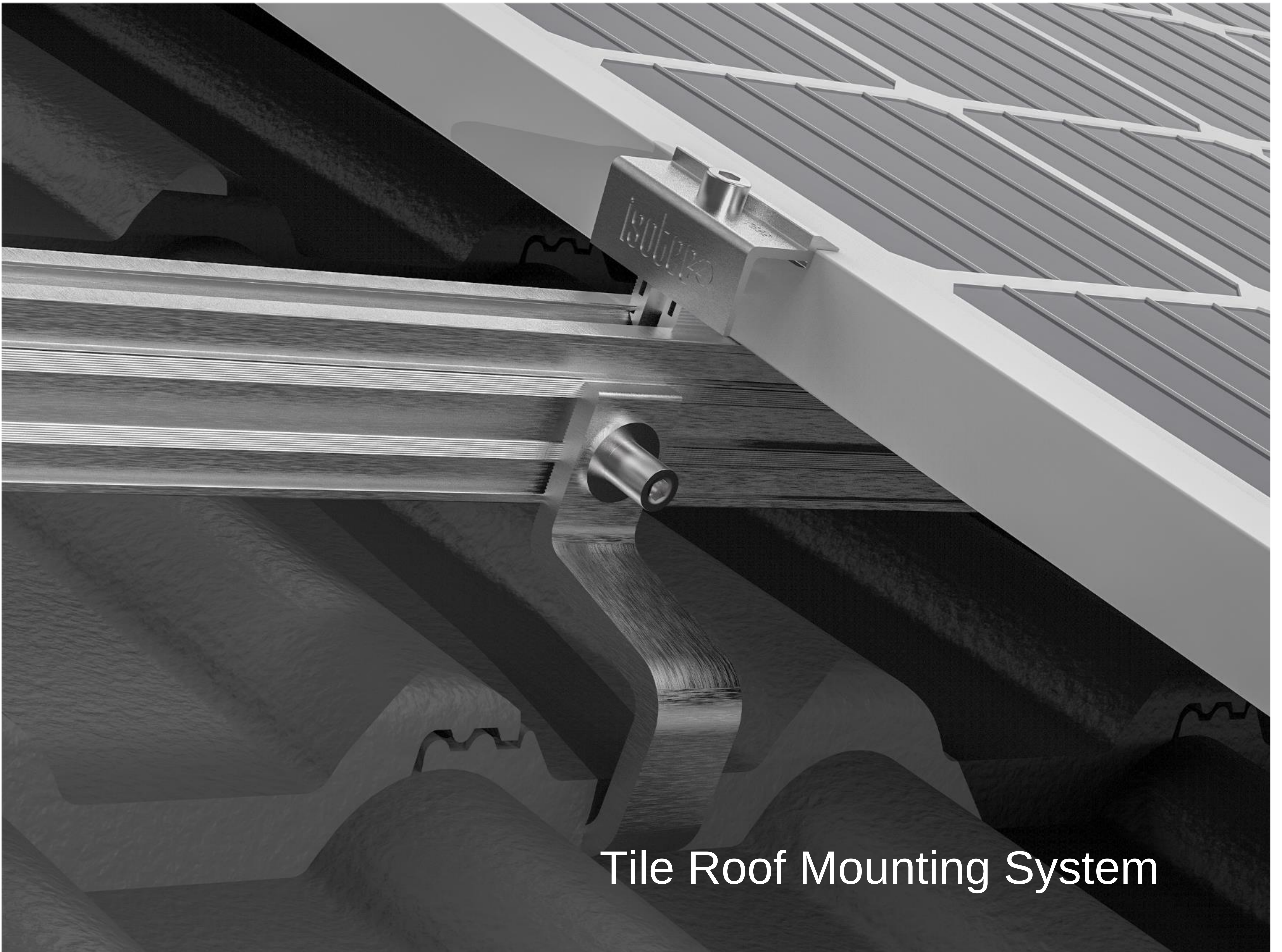
EasyClamp Middle

EasyClamp End



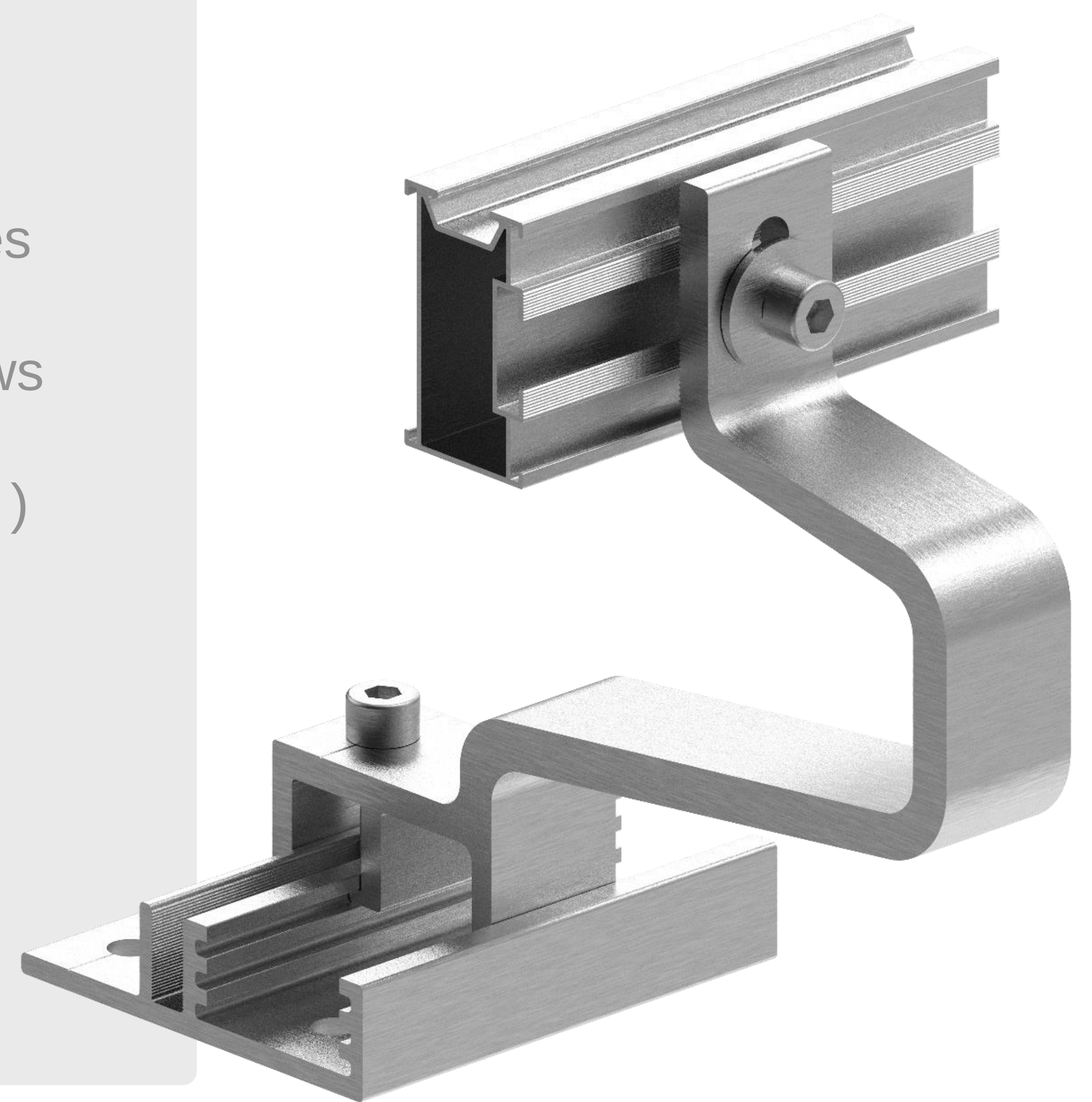
ISOTRAP S20	
Scope of application	Trapezoidal & Sandwich panel roofs
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm
Fixations	Self drilling screw / Rivet
Materials	Profile, clamps : Aluminum 6063-T66 Rubber : EPDM Fasteners : Stainless A2-70 & Bimetal
Technical specifications	Used in horizontal and vertical layouts

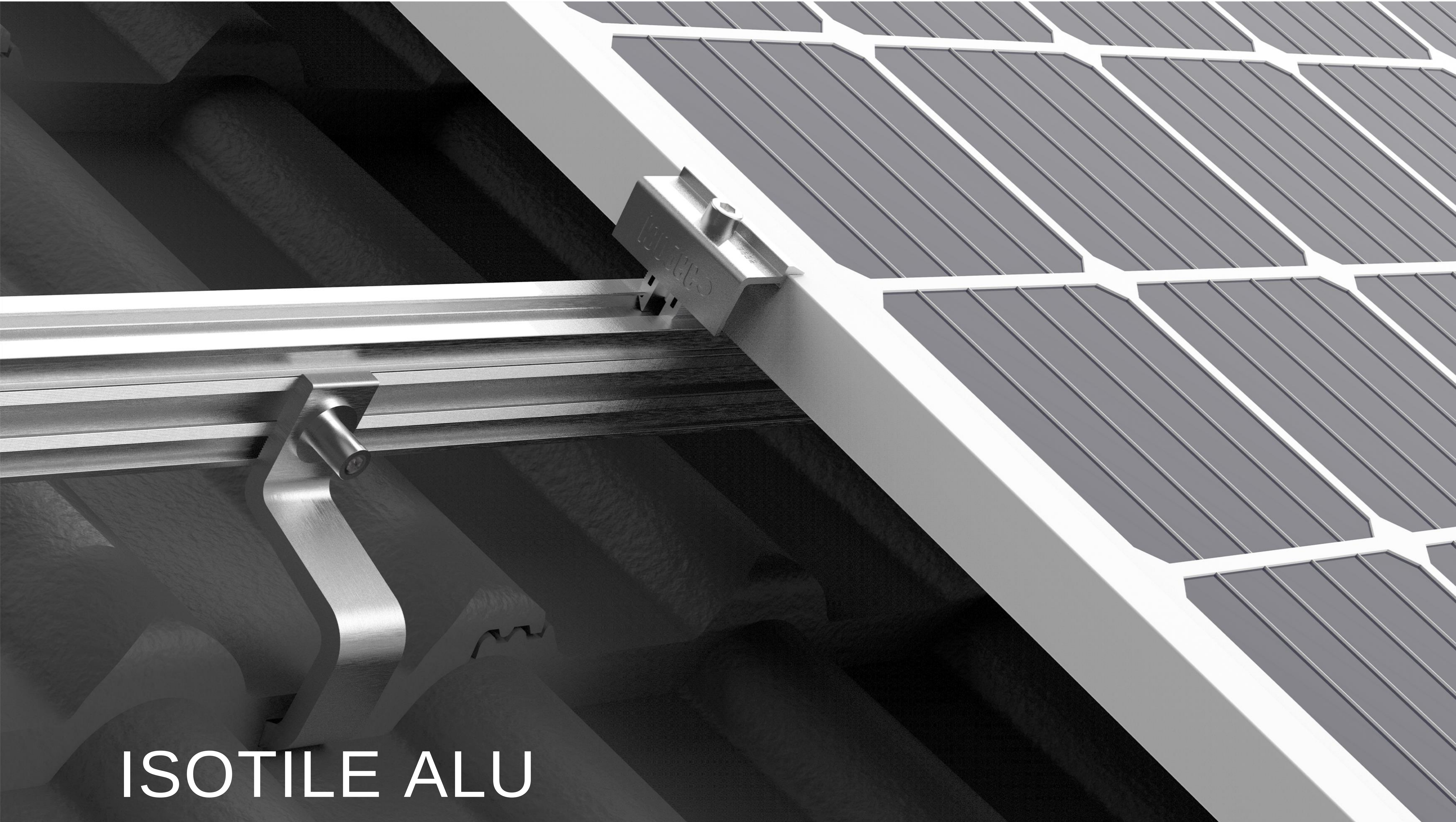
ISOTILE ALU



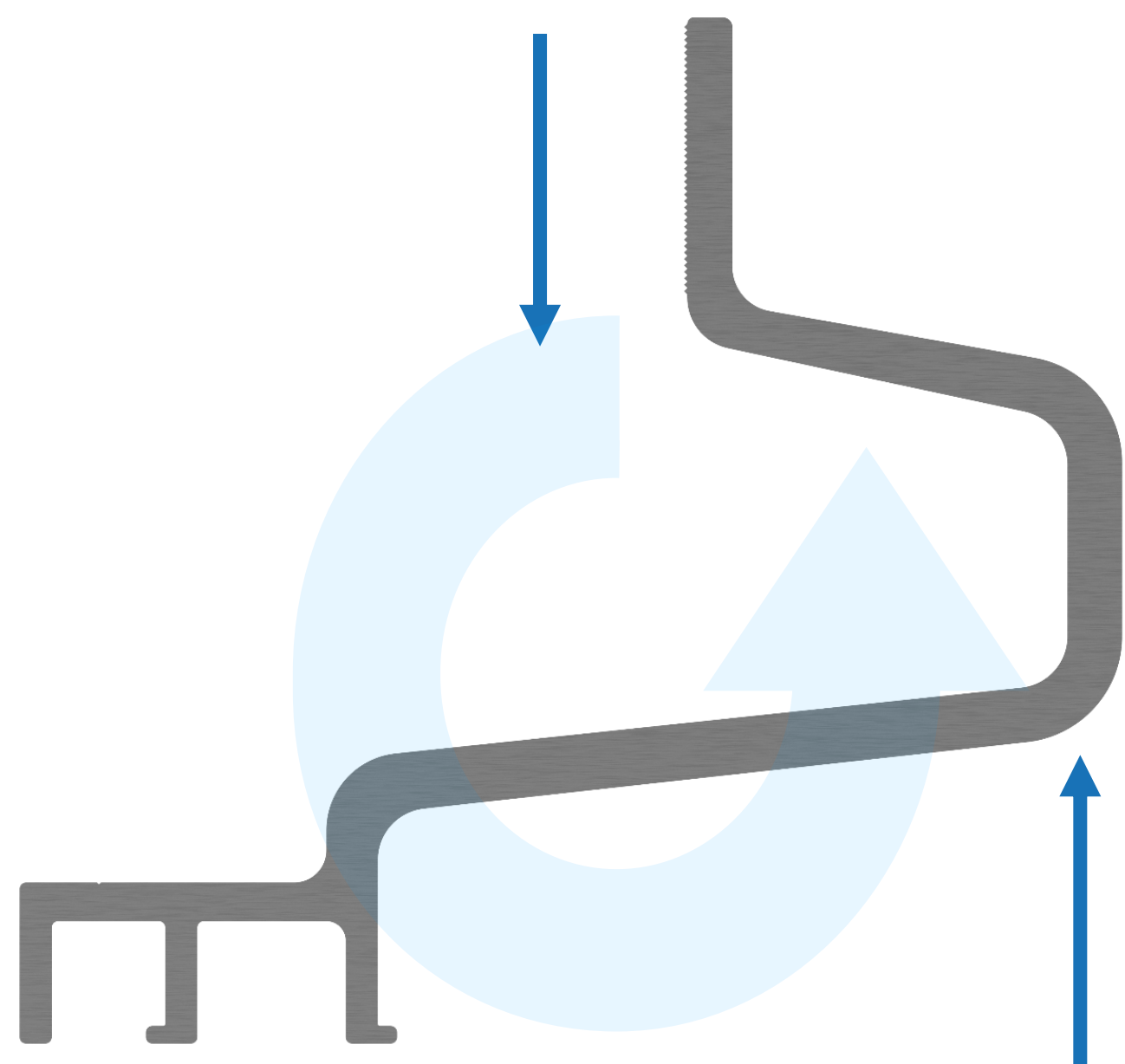
Universal use - High strength

- ▶ 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



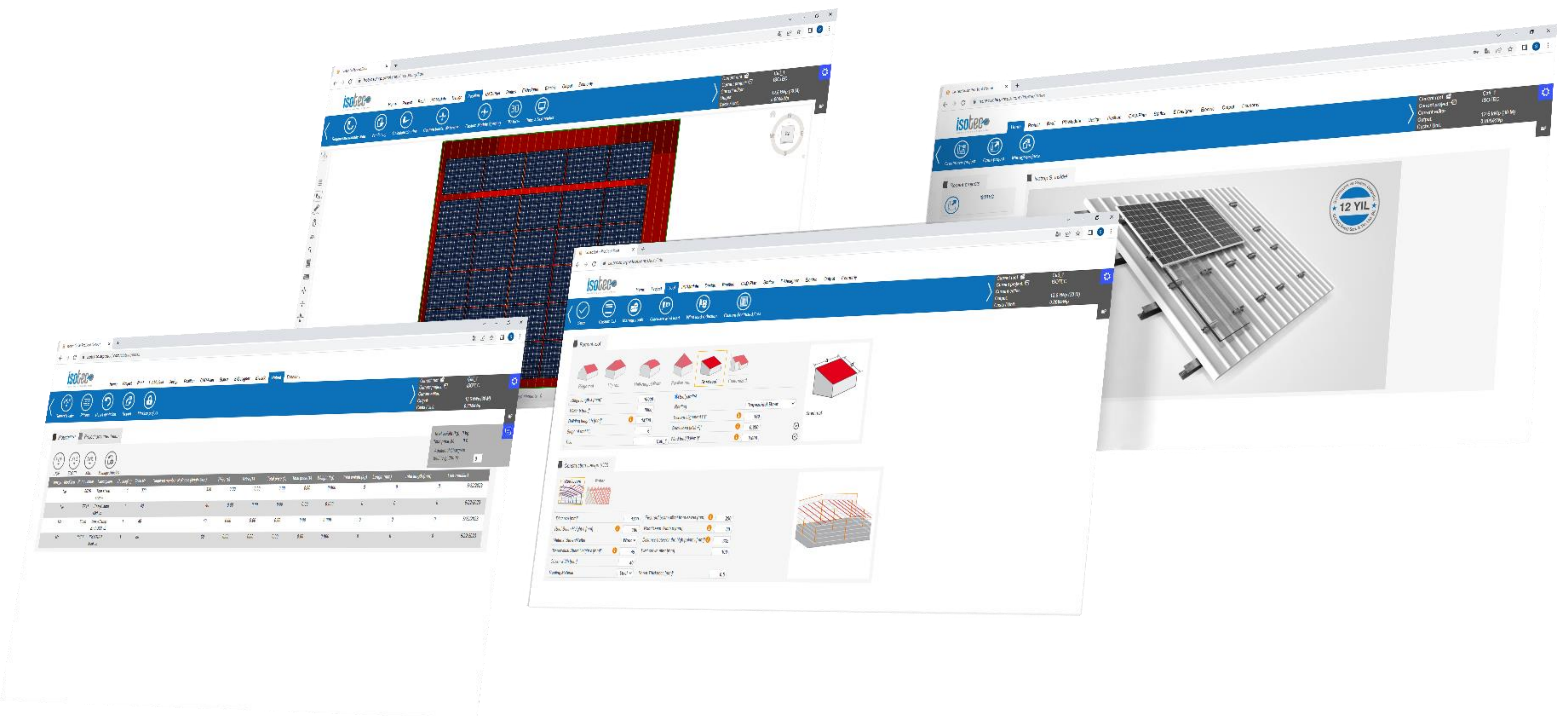
ISOTILE 23	
Scope of application	Tile roofs
Compatible PV modules	L : 1.500 - 2.500 mm W: 990 - 1.330 mm H : 30 - 45 mm
Fixations	Wood screw
Materials	Profile, clamps : Aluminum 6063-T66 Fasteners : Stainless A2-70 & Bimetal Roof Hook : Aluminum 6063-T66
Technical specifications	Compatible with Landscape 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 roof types
3. Get your material list and request a quote

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



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!

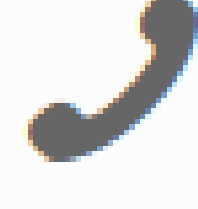


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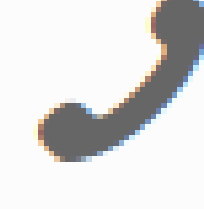


GERMANY

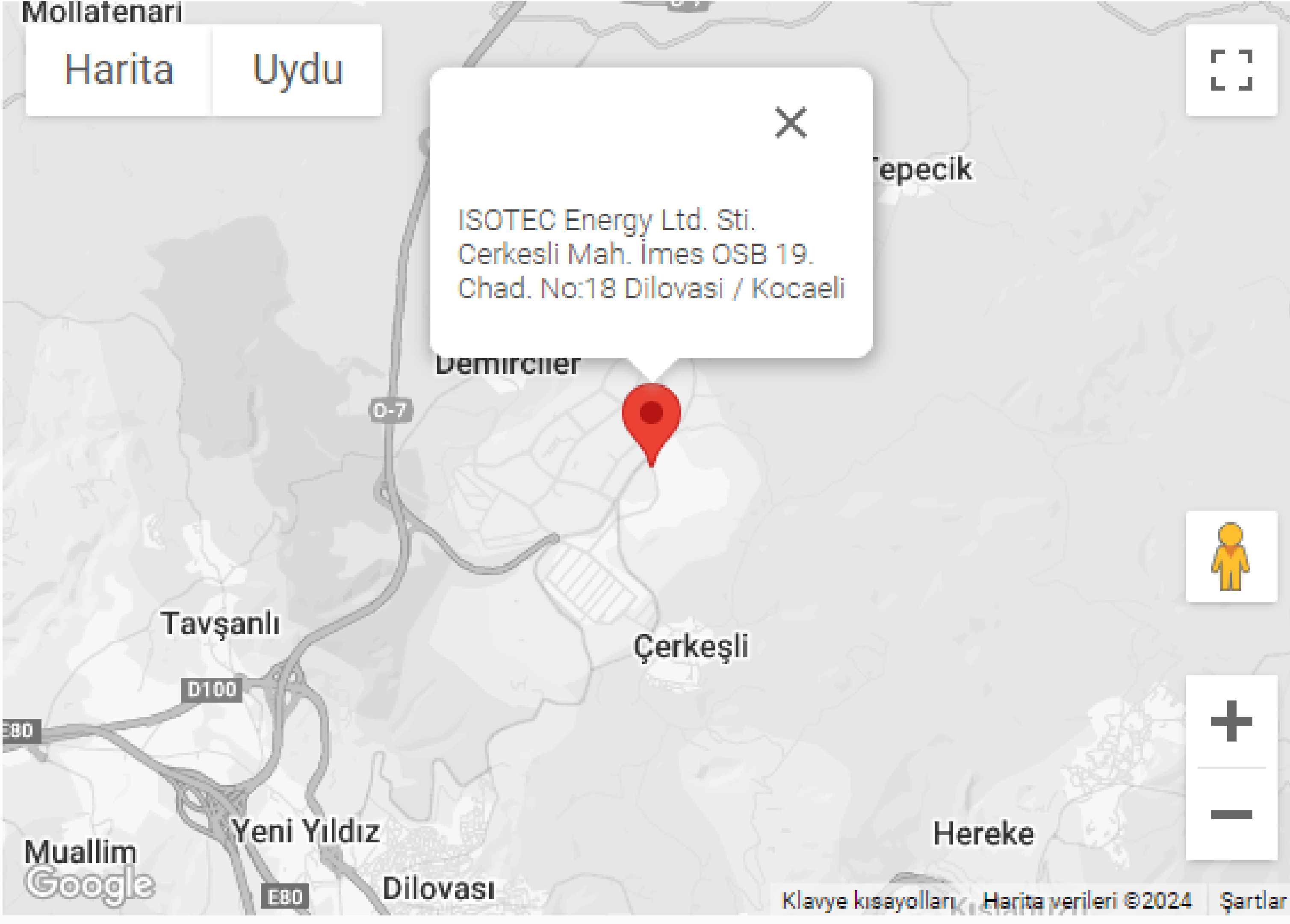
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www.isotec.com.tr

2013
ISOTEC Turkey founded

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

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

2022
Kocaeli production
facility was established

2024
Production capacity
raised to 1 GW

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

2019
ISOTEC Solar GmbH
(Germany) founded.

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

2023
Istanbul export office
was established.