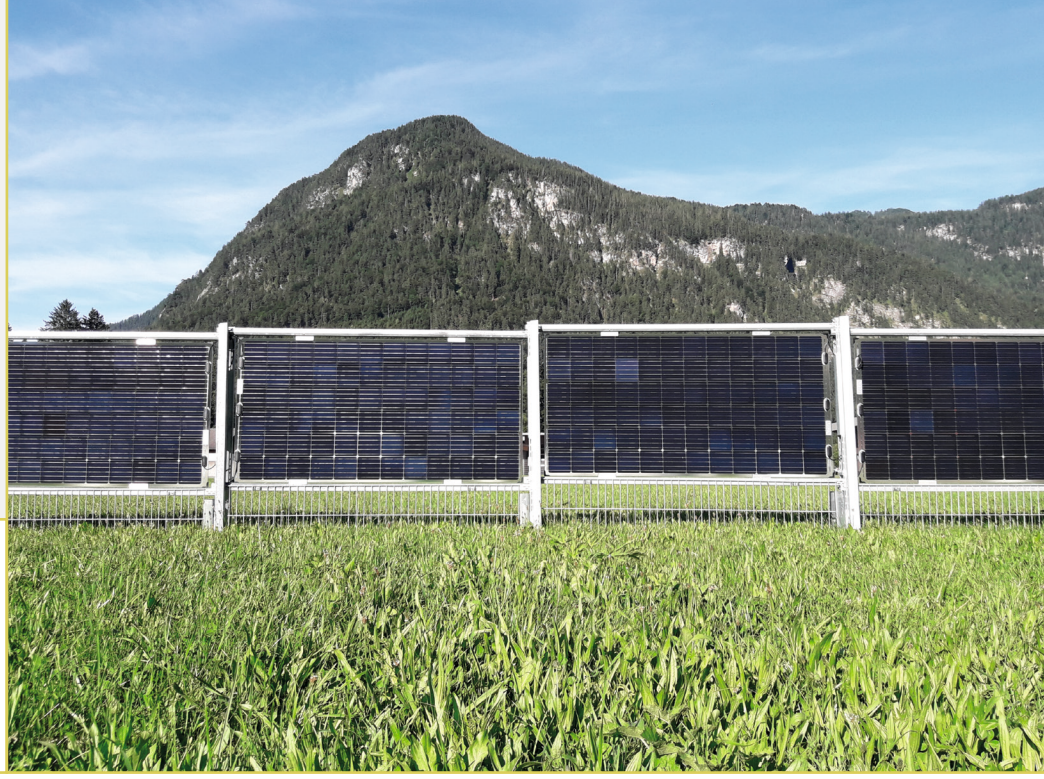


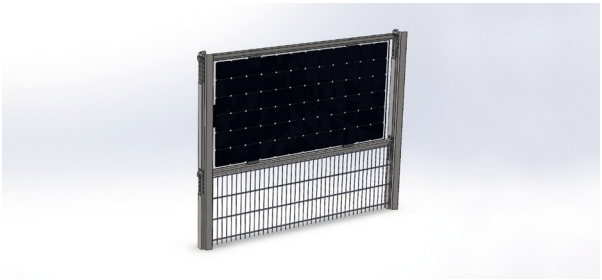
Next 2 Sun
Mounting Systems GmbH

Bifacial Solar Fence

Our innovative fencing system with dual function combines durable enclosures with solar electricity generation and attractive design.

- The fence that pays back
- No sealing and almost no overbuilding of the ground surface
- Shading-free installation of bifacial glass-glass modules
- Mix of fence element in the lower section and bifacial solar module above
- Great flexibility in the choice of the lower fence elements (wire netting, bar grate, screen fence)

Evolved from Next2Sun's freestanding system for the vertical installation of bifacial solar modules on an industrial scale, we developed the bifacial solar fence. The solid steel construction consists of mullions and crossbeams. Two mullions and crossbeams each hold a bifacial glass-glass module as well as a customizable fence element below. The total height of the bifacial fencing system can flexibly be modified. The basic version has a height of 1.50 to 1.80 meters.



Added value for agriculture

Enclosures are a necessity in ecological livestock farms. Therefore, use the possibilities of bifacial glass-glass modules in combination with our fencing system. This turns your fence into a power generator!

Wide field of application

The bifacial solar fence adapts to almost every terrain and can easily be mounted on site with just a few screw connections. Also, a galvanizing of the material surface provides additional protection against external influences. Rammed steel profiles represent a cost-effective foundation. Drilled and concrete foundations are also possible as an adaption to local conditions.

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Stability and durability

The fram design originates from the vertical mounting system for large scale solar power plants and is designed for a long lifetime. The Same applies to the glass-glass solar modules used in the solar fence. The system is designed for high strength requirements, especially resulting from wind loads. An according type testing is undergoing preparation.

Flexibility in purpose and design

There are versatile adaption possibilities provided in the system construction kit, for example:

- Different foundations
- Choice of different fence elements for the lower part
- Accessories for cable routing
- The addition of an electric fence wire
- A powder-coated mount profile in various colours (optional)
- Corner elements

Turn your fence into a power plant

Technical Specifications

Material	• Galvanized steel of grades S350/S420
Construction	• Mullion and crossbeam construction with tension-free clamping • Construction components that can be levelled for adjustment to the terrain conditions
Module connector	• Module clamps made from extruded aluminium profiles with EPDM inserts • Form-locking insertion in the frame construction
Scope of supply	• Project planning for the fencing system • Delivery of all of the mounting material • Ramming / construction of the foundations • Frame and module assembly • Electrical installation and putting into operation
Special services (especially for larger projects)	• Certification according to DIN EN 1991 • Proof of foundation according to local conditions • Customized special solutions

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