



Mounting system

Freestanding system for the vertical installation of frameless bifacial glass-glass modules

- No sealing and almost no overbuilding of the ground surface
- Shading-free installation of glass-glass modules
- Perfect accessibility for maintenance of green areas as well as the possibility to further use the remaining areas (e.g. all types of grassland utilization)

The innovative Next2Sun freestanding system enables new approaches for the utilization of solar energy especially in agricultural areas. The solid steel construction consists of mullions and crossbeams. Two mullions and three crossbeams hold two vertically-stacked bifacial glass-glass modules. The total height of the bifacial mounting system can flexibly be modified and usually has a height of about 3 meters above the ground.

Added value for agriculture

Variable distances of 8-15 meters between the rows enable versatile agricultural utilization concepts. Furthermore, the freestanding system is suitable for cattle grazing. The considerate handling of the resource soil leads to high acceptance.

Added value for the energy revolution

The Next2Sun freestanding system adds a new generation profile to the energy revolution. Through a consequent vertical east-west orientation, load peaks can be reached in the morning and evening hours – countercyclical to the existing south-facing plants. This is beneficial to the stability of the grid, enables the connection of new plants to saturated grids and leads to higher revenues on the electricity market.

Added value for the nature

The linear structures and the low level of overbuilding create valuable natural grass areas, in which additional specific habitat structures can be established. In addition to agricultural usage, the broad distances between the rows also offer room for agri-environmental measures or compensation areas.

Highest profitability

In the system construction kit, there are numerous adaption possibilities. Glass-glass modules and the mounting system both have a long life-cycle. With the nearly shade-free mounting system for bifacial modules, a technical additional yield of 10-15% is reached. Combined with the higher profits on the electricity market, the revenue per kW of installed system performance rises by up to 25%!

Stability and durability

The frame design is developed for an easy and flexible mounting as well as a long lifetime. Combined with the glass-glass modules used in the system, this leads to a very long lifetime for the whole system.

The system is designed for high strength requirements, especially resulting from wind loads. Project-specific

modifications allow for its usage in almost every location worldwide. For smaller, standardized systems, a type testing according to EN 1991 is undergoing preparation.

Flexibility in purpose and design

There are versatile benefits by the system construction kit, for example:

- Outstanding adjustment to the terrain
- Few components
- Safe cable routing inside the profiles
- Accessories for cable routing
- Different pile foundations
- A powder-coated mount profile in various colours (optional)

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
- Delivery of all of the mounting material
- Ramming / construction of the foundations
- Frame and module assembly

Special services (especially for larger projects)

- Certification according to DIN EN 1991
- Proof of foundation according to local conditions
- Customized special solutions



Next2Sun
Mounting Systems GmbH

info@next2sun.de | www.next2sun.de | Tel.: +49 (0) 6861 / 829 12 20