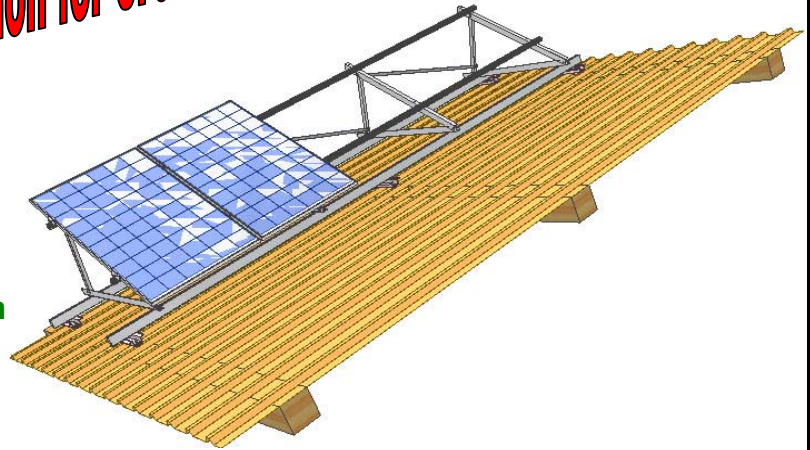


Standard+DT

THE solution for cross erections and more...

- Fast and easy mounting
- Static proves with software aid
- Optimal force distribution even on roofs with big purlin distances
- Simple planning



East-/west-roofs? No problem for us!

With the system Standard+DT (standard plus continuous beam) we offer you an optimal solution for mounting elevated photovoltaic plants on roofs with slopes to the east or west. Without elements which distribute occurring forces, the only possibility is to directly mount triangular supports onto the purlins. Especially when there are big distances between the purlins and high snow loads the forces in this case often exceed the load capacity of support and cross beams. The application of our well-ried double-groove mounting structures allows optimised support distances and a save load conduction into the substructure.

What's new?

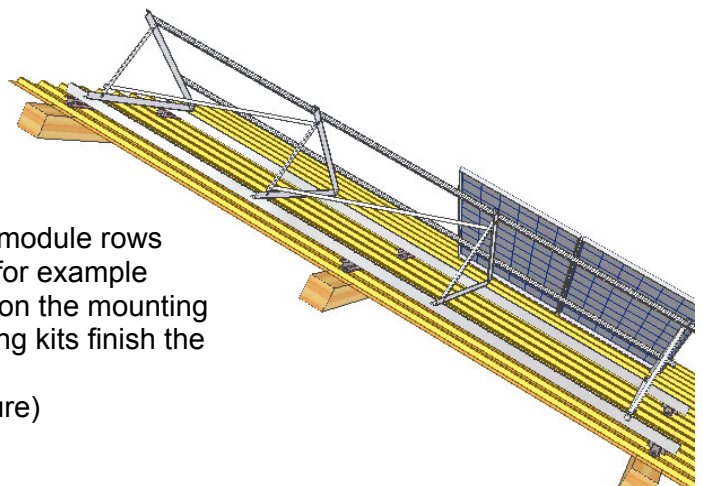
The mounting type with continuous double-groove profiles has been planned and constructed for quite a while. In spring 2006 we have integrated Standard+DT into the auto calculator as an independent system to make the project planning even more comfortable, simpler and quicker.

Application

Erections on east-/west-roofs:

The mounting structures run pair wise under the module rows (from the eaves to the ridge). They are fastened for example on FixT connections. The consoles are fastened on the mounting structures in optimised distances. Diagonal bracing kits finish the bracing of the module rows.

(Picture: FixT connections, DN1 mounting structure)



Erection on sheet metal roofs (for example KalZip) or trapezoidal sheet metal roofs (for example Fix2000Plus):

When the elevated module rows are parallel to the ridge on plate fold of trapezoidal sheet metal roofs, two mounting structures (usually DN0 profiles) are used to support each module row. The triangular supports are mounted on this girders in optimised distances. The mounting structures distribute forces evenly so that all sheet metal clamps are loaded evenly and like this forces are conducted into the roof cladding.

Ideally the DN0 mounting structures are mounted without profile connectors in a distance of approximately 2cm. This prevents tensions because of thermal expansion.

Please note that the roof cladding has to safely bear the occurring wind forces and conduct them into the substructure!

This necessarily has to be proofed on site!

Sloped erections:

On southwest or southeast roofs the modules often should have an accurate south orientation. Here Standard+DT offers –besides Kompakt Vario- one more possibility to adapt the mounting frame to the requirements on site (for example erection on trapezoidal sheet metal with FixT fastening, erection on plate fold roofs with KalZip clamps). To make you even more flexible in planning you plant we recommend the application of the mounting claw in combination with FixT (see FixT product sheet).

(Picture: Sloped erection with DN0 mounting structures on Fix2000 special clamps).

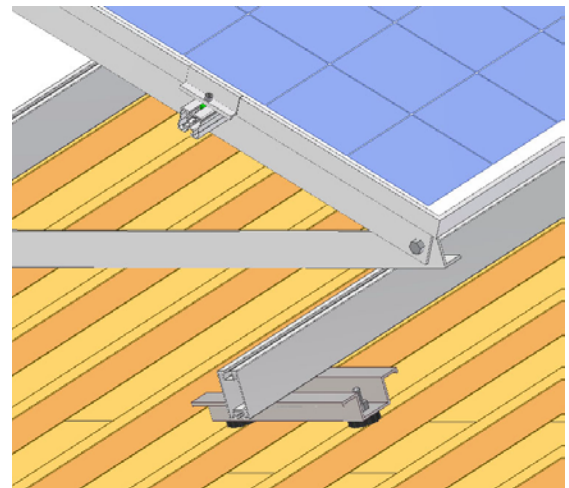


Your advantages

The system Standard+DT is fast and easily mounted because of the compatibility of all well-tried Schletter system component parts. The mounting structures are equipped with comfortable sliding grooves so that on-site drilling is reduced to a minimum.

Similar to KompaktVario the connection to the substructure is made for example with well-tried FixT connections or plate fold clamps. Please especially note our FixT product sheet and the general mounting instructions.

(Picture: FixT connection with DN1 mounting structure and flat roof support Profi).



Technical details

Material	All system component parts made of aluminium, screws and connectors made of high-grade steel
Statics	Schletter system statics after DIN 1055 new and Eurocode 1
Measures	Double-groove mounting structure DN0 – DN3 (40x40 mm to 80x120 mm cross section)
Hints	Please also note our product sheets FixT, Fix2000Plus and KompaktVario and the sheet metal clamps overview.

Get all system prices fast and easily with our auto calculator!