

CompactDirect

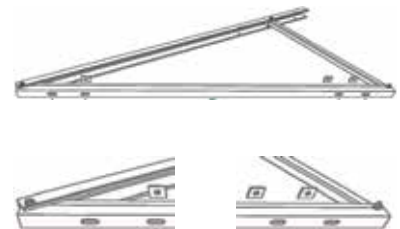
A combination from the Schletter unit assembly system Safe and stable

- Swift assembly
- Centric load transmission
- Stable aluminum construction
- Inexpensive module elevation
- Several combination options



Description

With elevations, the shade distance of the module rows often directly determines the distances of the module rows. Thus, a load distribution beam is required for an unimpeded arrangement of the module rows and a maximum utilization of the PV-plant. However, east-west aligned roofs with a north-south purlin arrangement or roofs aligned to the south with rafters allow for a direct mounting of the supports in certain circumstances. In such cases, we just make use of the given roof construction and put the flat roof supports directly on the wooden substructure respectively on the steel substructure using hanger bolts or FixT/FixE.



The rack represents only a small and cheap part of this powerful combination of several Schletter components, and thus shortens the time of assembly. By a direct centric screwing of the flat roof support onto the substructure of the building, an optimum load transfer of the the system is granted. In many cases, a minimum number of 2 fixations per flat roof support is sufficient. But in case of higher wind or snow loads, 3 or 4 fixations might be required for stabilization. In any case, the connections must be placed close to the joint connections of the support. All standard supports from our product range are suitable for this combination. Concerning this matter, please send us your inquiry for an individual project planning.

Application hints

- In case of lateral inclination of the module rows, please use diagonal struts
- The screwing in the corrugation top area or the "upper wave" area of the roof cladding is recommendable regarding the water flow (water tightness!); It might be necessary to relocate the drilling holes. If the drilling is done in the "lower wave" resp. corrugation bottom area, an extra sealing has to be provided!
- Please also pay regard to our documentation "mounting and project planning" and "flat roof mounting - general hints"
- Please also consider our product sheet "support program07"
- All supports are available in any desired angle
- A chart for structural analysis is available for all support designs
- In critical cases with extreme wind loads, it can bring about structural advantages to equip the supports with wind deflectors (WindSafe system)



Further information at: www.schletter.eu

*The terms of guarantee can be referenced at www.schletter.de/AGB_en