COMPACTDIRECT

COMBINATION FROM THE SCHLETTER MODULAR SYSTEM: SAFE AND STABLE

- 25-year warranty*
- Fast construction
- Centered force distribution
- Stable aluminum construction
- Economical module elevation
- Various combination options

DESCRIPTION

The shading distance on elevations often directly specifies the distances of the module rows. The load distribution beam is therefore necessary for unhampered arrangement of the module rows and maximum configuration of the PV unit. However, east-west oriented roofs with purlins running north-south or southern-oriented flat roofs with rafters allow direct installation of the supports. Here we simply use the existing roof structure and place the flat roof supports directly on the wood or steel construction using the appropriate fasteners.

With these strong combinations of various Schletter components, the frame is only a minor, cost-efficient matter and thereby shortens the installation time. By directly and centrally screwing the flat roof supports into the building’s substructure, you ensure that the system will have optimal load transfer. In many cases, a minimum of two fasteners is enough for each flat roof support. With high loads from wind or snow, however, three or four fasteners may be necessary for stabilization. In any case, the fasteners must be placed immediately at the support’s junction points. All standard supports from the product line are suitable for this combination. Please feel free to request a plan from us.

*in accordance with our warranty conditions
COMPACTDIRECT WITH BALLAST

Often, yield optimization calls for a higher elevation angle on flat roofs instead of aerodynamic flat roof systems. An appropriate version of our CompactDirect system for this purpose is the ballasted version. With this, the flat roof support is mounted directly on our aluminum SolRack gravel tray (also see the SolRack product sheet). The necessary ballast can be placed on the trapeze-shaped gravel tray. Another option is to embed the gravel tray in a gravel or substrate fill. The required ballast can be determined with our online Schletter Configurator.

APPLICATION INSTRUCTIONS

Bolting into the high bead or high corrugation area of the roof covering is recommended due to water flow (water-tightness). For this, the holes in the supports may have to be redone. If bolting is done in the deep corrugation area, use special additional sealing!

- Also follow our documents “Installation and planning” and “General instructions for flat roof installation”.
- A look at our flat roof supports can be found in our current component overview.
- In critical cases, with extreme wind loads, equipping the roof with wind deflectors can provide static advantages.

More information at: www.schletter.de