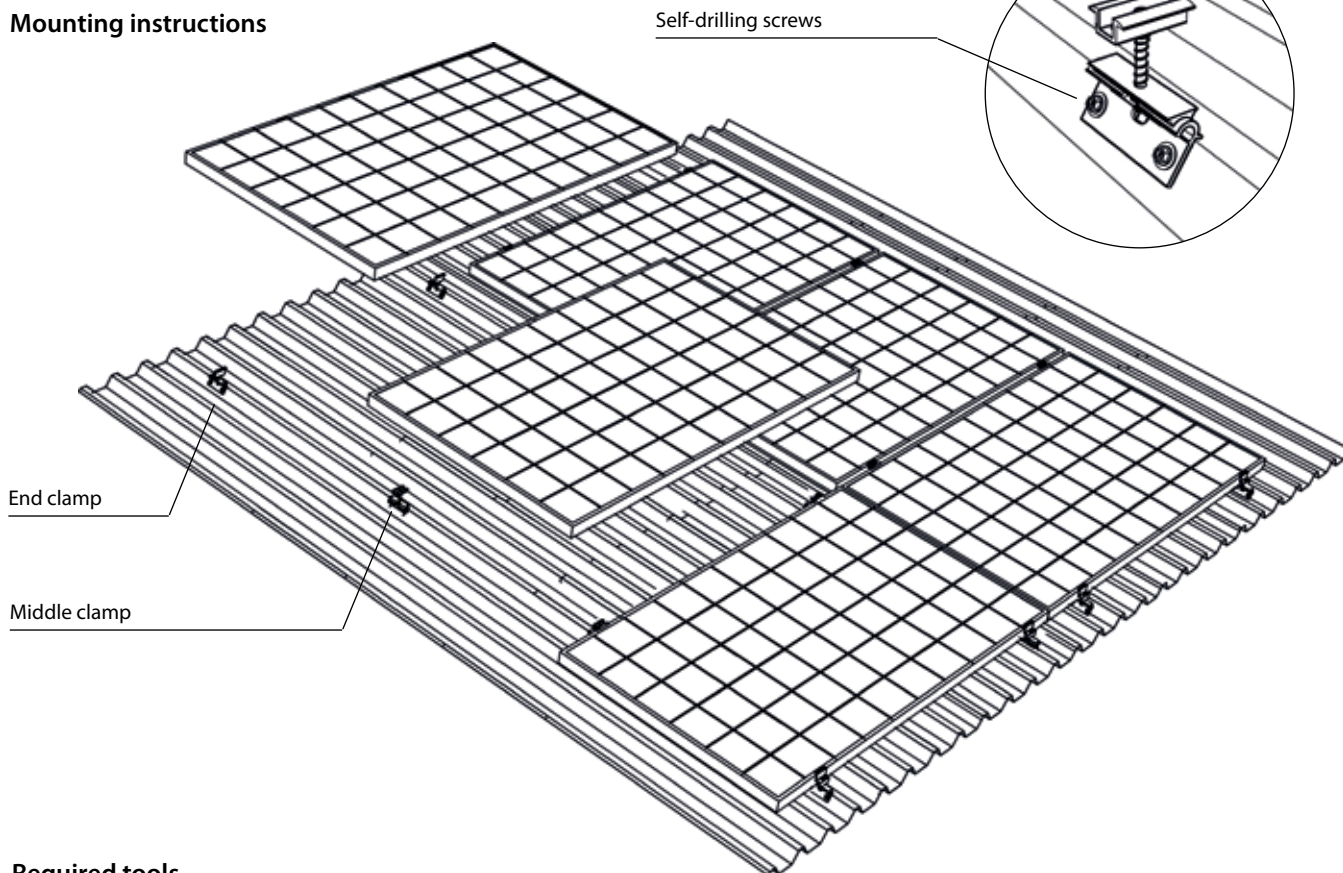


ClampFit-H

Mounting instructions



Required tools

Screwdriver with bit and socket-wrench holder
 Bit hexagon socket head 5-spanner
 Socket 8-spanner



The Schletter tool kit contains the tools required for all standard systems.

Additional documentation

Structural analysis

Analysis print-out with schematic diagram from the plant calculation

Tightening torques

M6 bolted connections: 6 Nm

Exception:
 Self-drilling screw
 (use a depth stop).

Safety instructions



Planning, mounting and operational startup of the solar plant must be performed by qualified personnel only. Poor quality execution can result in damage to the plant and to the building and can present a risk to people.



Risk of falling! There is a risk of falling when working on the roof as well as when ascending and descending the building. Accident prevention regulations must be observed and appropriate safety equipment must be used. PV mounting systems are not suitable as climbing aids or fall protection.



Risk of injury! Objects falling from the roof can cause injury to people. The danger area around the installation site must be sealed off and people close to this area must be warned.



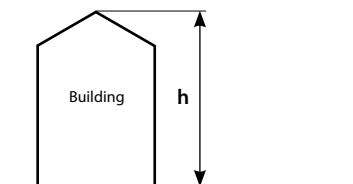
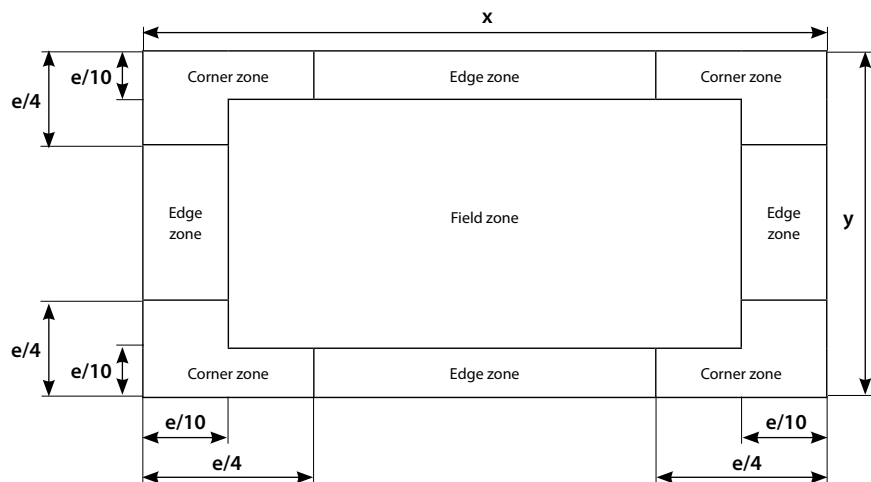
Risk of breakage! PV modules can be damaged if stepped upon.



Risk of electric shock! The mounting and maintenance of the PV modules must be carried out by qualified specialists only. Please observe the all safety regulations issued by the PV-module manufacturer!

1 Define the area of installation

- Concentrate the number of fasteners in the edge and corner zones.
- Further recommendations are offered in the structural analysis.



Calculation formula:
 $e = \min(x \text{ resp. } y \text{ or } 2 \cdot h)$

2 Define the fastening points

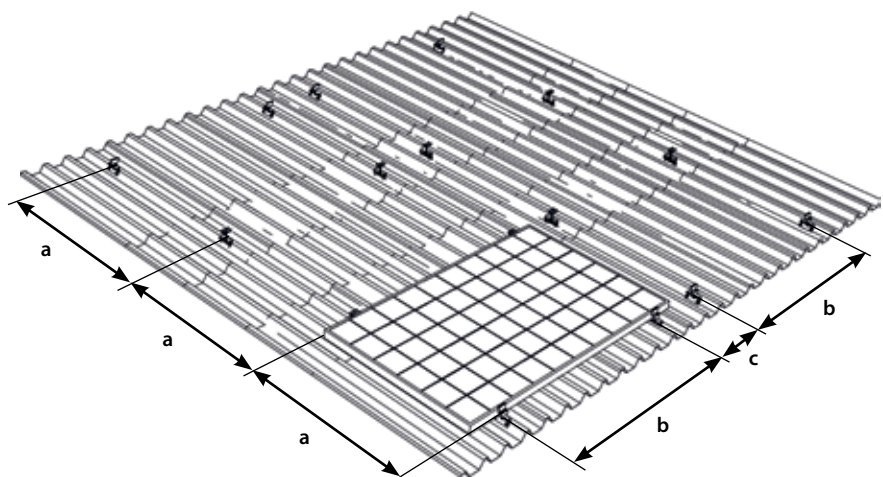
- Select corresponding distance **a** between fasteners for the respective module. Dimension **a** is derived from the module width + 20 mm (for clamp) + 1...2 mm (for dimensional tolerance)
- Distance **b** according to clamping area of the module and depending upon the spacing between crests.
- Distance **c** is derived from the module length + 5 mm and distance **b**.
- Further recommendations are offered in the structural analysis (for fasteners).



Select distance **b** (clamping area) in accordance with data provided by the module manufacturer.

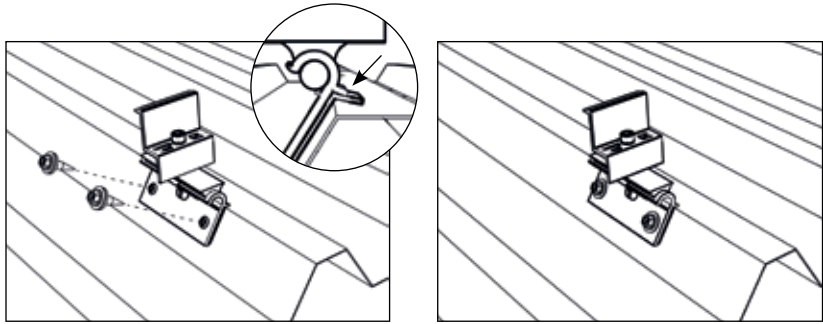


Verify module dimensions.

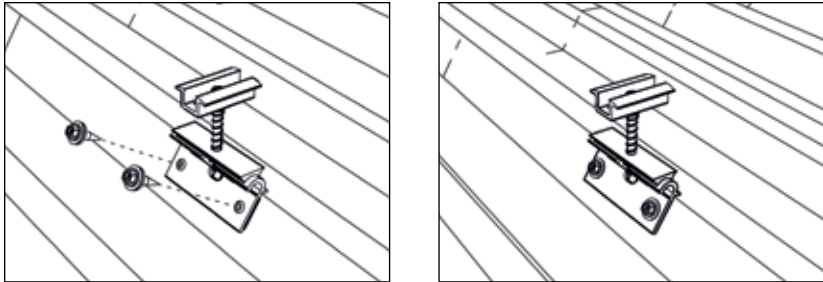


3 Mount fasteners

- Position ClampFit-H and press until the front lies flush with the rubber on the trapezoidal sheet surface.
- Place self-drilling screws 6x25 into rubber nubs and tighten (socket wrench 8-spanner)
- Do not over-screw into the sealing washer - the screw plate must not be pressed flat.

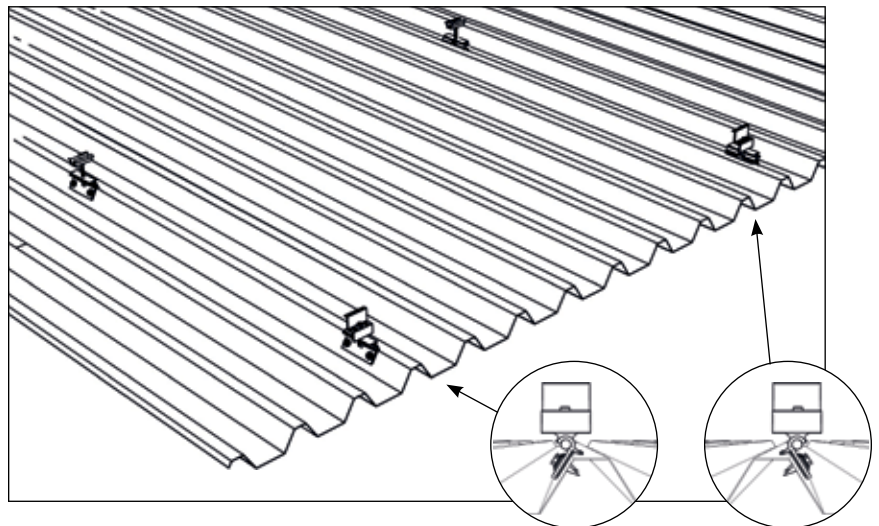


End clamp



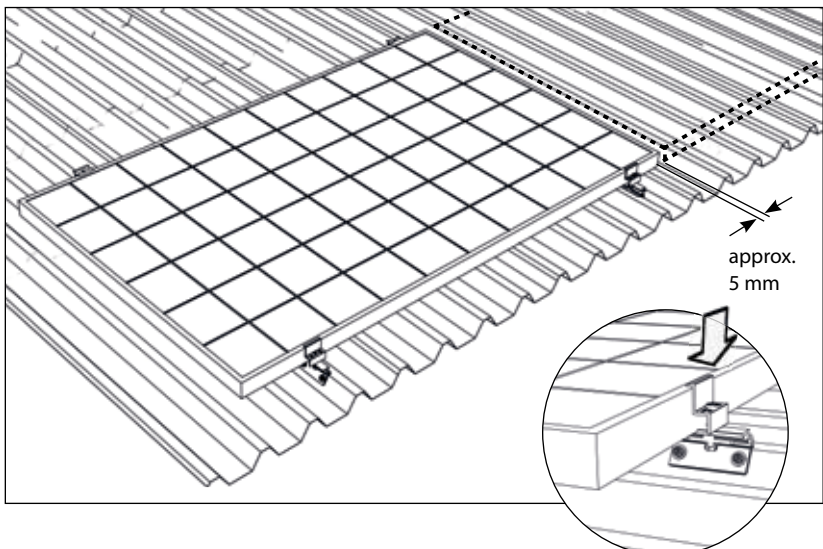
Middle clamp

- A** We recommend positioning and tightening screws symmetrically on the sheet.



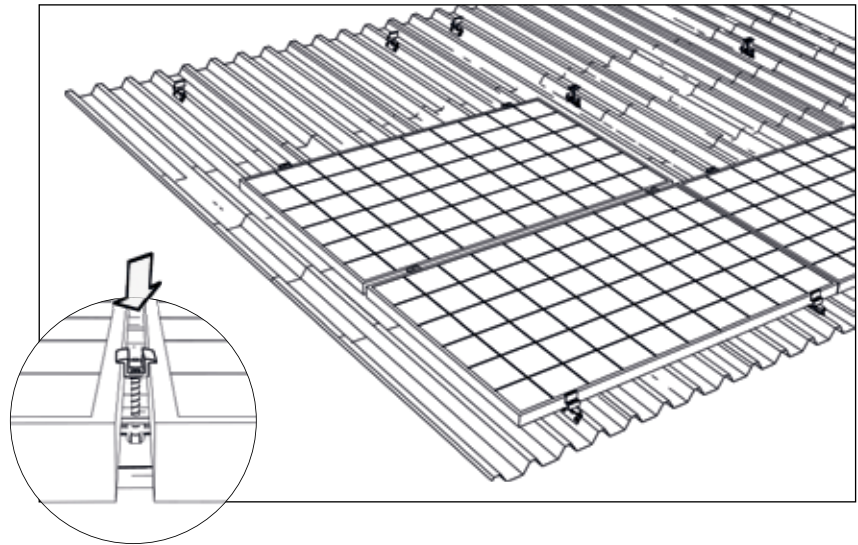
4 Mounting of first module row

- Slide module into ClampFit-H end clamp.
- Tighten pre-assembled screw (5-spanner) to secure ClampFit-H end clamp.
- Mount further modules at respective intervals of approx. 5 mm.
- Connect cables.



5 Mounting of further module rows

- Position further modules.
- Connect the module cables accordingly.
- Position and secure ClampFit-H middle clamps on both sides of the modules.



6 Mounting of the last row of modules

- Position and tighten ClampFit-H end clamps to secure the modules.

