



Step 1 (renovation):  
Mark the shape of the new PV field on the roof.



Step 2 (renovation):  
Remove the tiles and the battens and - if required - heighten the seams (not for new buildings).



Step 7:  
Mount the next row of clamps above the installed modules. Use a simple form (piece of wood or similar) to find the correct vertical position for the stirrup. (This is necessary for later single module removal.)



Step 8:  
Connect the modules according to your cabling plan.



Step 3:  
Install the new battens according to the layout for the PV modules, install the cabling channels and lay down the string cables.



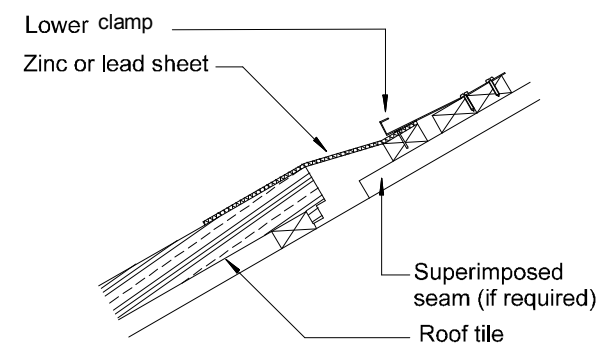
Step 4:  
Mount the bottom lead or zinc sheets or any other bottom flashing.



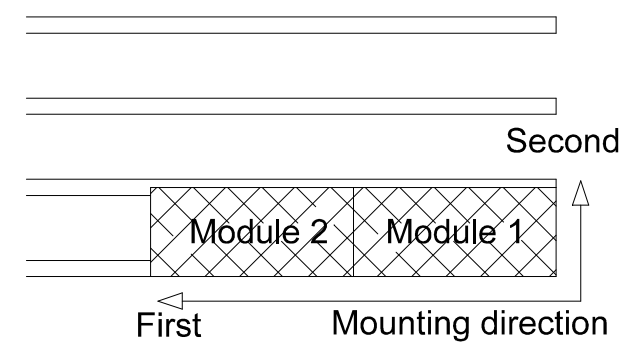
Step 9:  
Insert the lower module edge into the clamp.



Step 10:  
Lay down the module. Repeat step 7 to step 10 until all modules are installed.



Step 5:  
Fix the long bottom clamps. The clamps should overlap the flashing sheets. Use a plumb line or similar to align the bottom clamps.



Step 6:  
Mount the modules. Start on the right hand side with the bottom line of modules. Connect each module immediately after insertion into the clamps.



Step 11:  
Install and fix the vertical flashing.



Step 12:  
Install and fix the flashing at the top and insert the overlapping tiles.