

REDi-lite 135/250watt Solar Panel

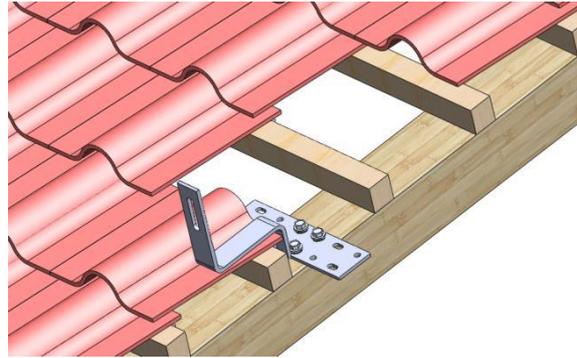
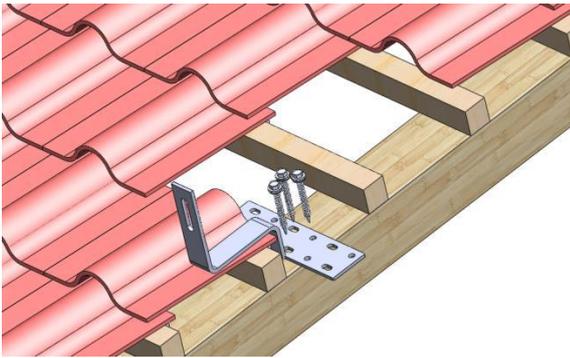
Roof mount Instructions

Select a position on the roof that is free of potential shade by vegetation or over hanging obstacles, a North facing roof for the solar panel is generally preferred for more general light throughout the day.

Fixing the Tile roof bracket

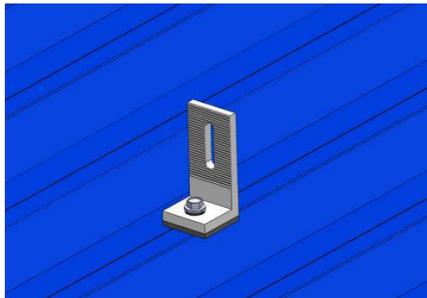
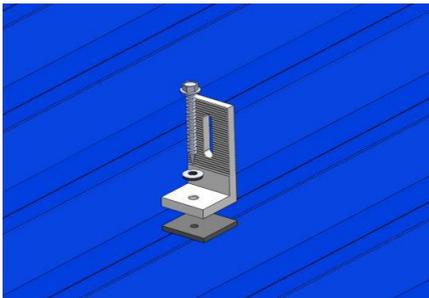
Remove or kick up a tile directly above a roof truss, then do the same either 600mm or 900mm to the left or right to find another roof truss. Fix a tile bracket to the top chord of the truss by screwing 3 x 65mm tech screws into it as shown below. Once screwed into place just replace or pull down the top tile back over the bracket for a weather proof seal. Repeat this step 4 times as you will need 2 brackets for the bottom rail and 2 brackets for the top rail.

Tip: If the tile bracket is making the tile sit up you can do two things, use a pair of pliers to pinch out some tile on the underside in line with the bracket or you can use a grinder to trim a small section so the tile will sit nice and snug over the bracket.

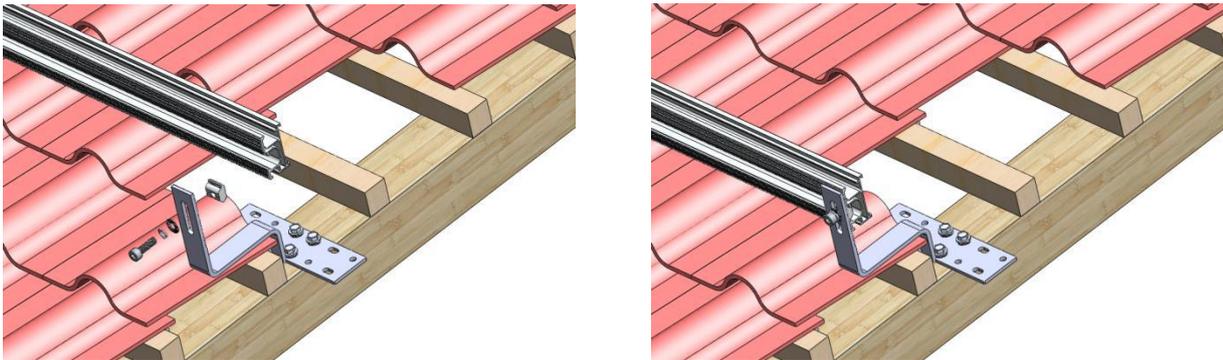


Fixing the Metal roof bracket

Simply unscrew existing roof screws that screw into the roof batten and use the same holes to mount the 4 x 'L' brackets that will support the rail. Be sure to use the supplied rubber washer under the bracket for a weather proof seal.

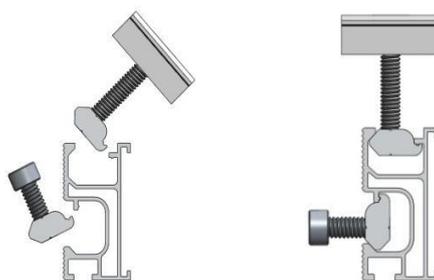
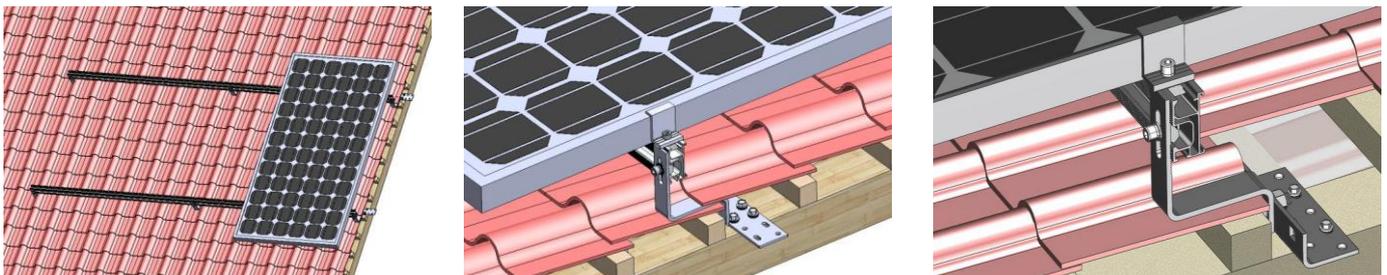


Once you have securely fixed all 4 brackets you can now fix the top and bottom rail to the brackets with the Allen key head screw, washers and nut modules provided. Tighten Allen key screws nice and firm. See below...



Now that the rails have been secured to the mounting brackets you are now ready to mount the solar panel to the rails as follows..

Fix the solar panel to the rails by using the 4 end clamps supplied. Tighten the Allen head bolts on the end clamps firmly to secure the solar panel to both rails as shown below....



***Side profile of rail with screw lugs to fix rail and panel to bracket**

Installation tools

6 mm Allen key;

Cordless drill;

Angle grinder with stone disk to cut underside of tile if necessary