

Single PV Module Mounting Frame (Cat.# SFR-003) Assembly Instructions

You will need:

- 2 × 10mm open end / ring spanners
- 1 × 10mm socket & ratchet (optional)
- 1 × tape measure

Assembly:

1. It is suggested that bolts/nuts be loosely fitted at first. Once the frame is firmly mounted to the roof or other suitable structure and solar module is loosely mounted, then all the nuts can be tightened.
2. Assemble module rails (A) to support rails (B) as per drawing, using 20mm × 6mm bolts. The module rails (A) are 940mm long and the support rails (B) are 710mm long.
3. Assemble feet (C) to module rails and support rails using 20mm × 6mm bolts.
4. Fit top clamps (D) to the module rails loosely using 25mm × 6mm bolts.
5. Collect solar modules and loosely assembled module rails / support rails and set yourself up on the roof or wherever you are going to mount the frame(s).
6. **Mounting to the roof** : Position one module rail / support rail assembly to location and mount foot to roof, ensuring that the screw/bolt has penetrated into roof batten or other solid part of structure. (It is advisable to use longer roof screws (75mm) or batten bolts (75mm) to secure feet to roof. Roofing screws or bolts are not supplied in the kit. Repeat this process with other module rail / support rail assembly, taking note of the following details. Spacing of module rail / support rail assembly is dependent upon two criteria:
 - I. Where foot can be mounted on the roof.
 - II. Where module rail does not foul junction box on module.

It is advisable to measure the make and model of pv module that you are using and check that I. and II. above are compatible.

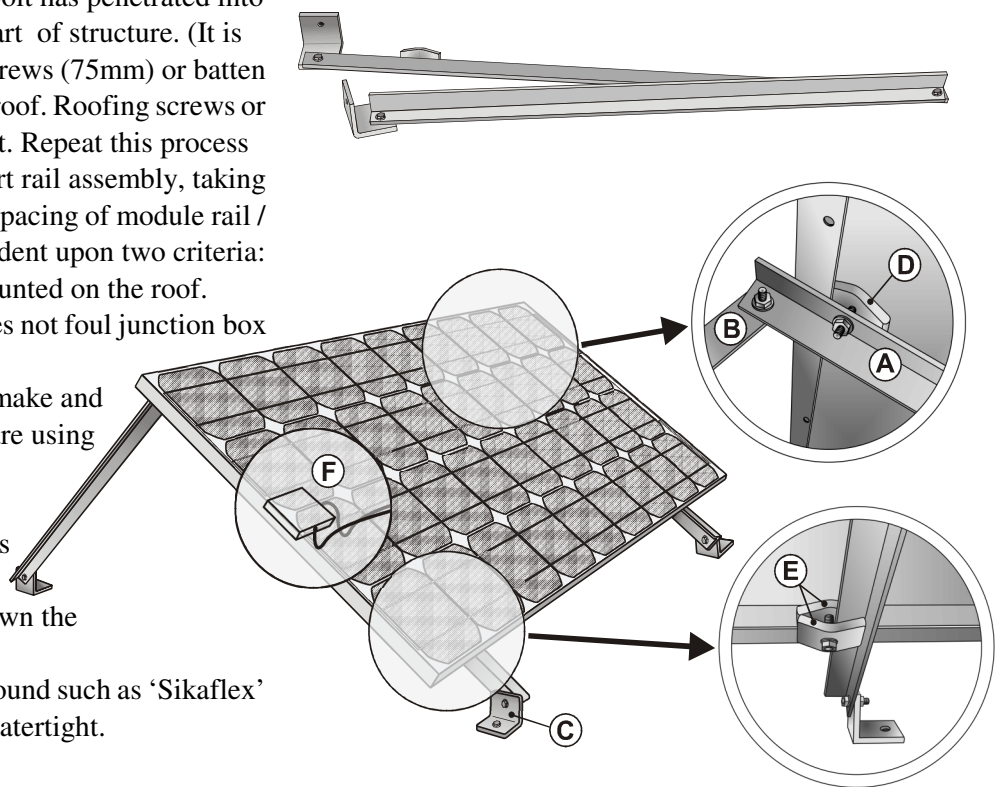
Warning: 1. Ensure that the cables coming out of the junction box are placed so that rain does not run down the cable and into the box (F).

2. Use a high quality sealing compound such as 'Sikaflex' and ensure roof penetrations are watertight.

7. Bring module rail / support rail assembly up to desired angle and mount support rail feet to roof (support rail may need to be cut to suit steeper angle roofs or your particular batten spacing).
8. Loosely fit module onto top clamps of module rail as per drawing.
9. Fit bottom double clamps to module and rail as per drawing using 35mm × 6mm bolts (E).
10. Tighten all bolts and nuts.

List of supplied parts:

- 2 × (25mm × 3mm) Angle – 940mm long
- 2 × (25mm × 3mm) Angle – 710mm long
- 4 × Feet
- 6 × Clamps
- 6 × 20mm Stainless Bolts
- 2 × 25mm Stainless Bolts
- 2 × 35mm Stainless Bolts
- 10 × Stainless Nuts
- 10 × Stainless Flat Washers
- 10 × Stainless Spring Washers



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