



SFS-FR-02 SunRack Ballast Flat Roof Installation Guide

Components:

One set of SunRack ballast contains the following items:

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|-----------------------------------|-----------------------------------|
| 1. Triangle Mounts with M6*80Bolt | 2. End clamps with M8 Bolt |
| 3. Mid clamp with M8 Bolt | 4. Angle Plate with Tapping Screw |

Tools needed:

1. 4. 6. 8 mm Allen key
2. Open-end spanner set 9, 13, 17, 19 mm
3. Power Tools

1. Unfolding the SunRack Triangular support

Unfold the load leg from the ground leg and let it rest on the short leg.



2.Fixed the SunRack Ballast Triangular Part

Used the Allen key and M6*80 Bolt,M6 spring washer,M6 Nut, M6 Flat washer to fixate the load leg and short leg. And fixate all of the Triangle Mounts

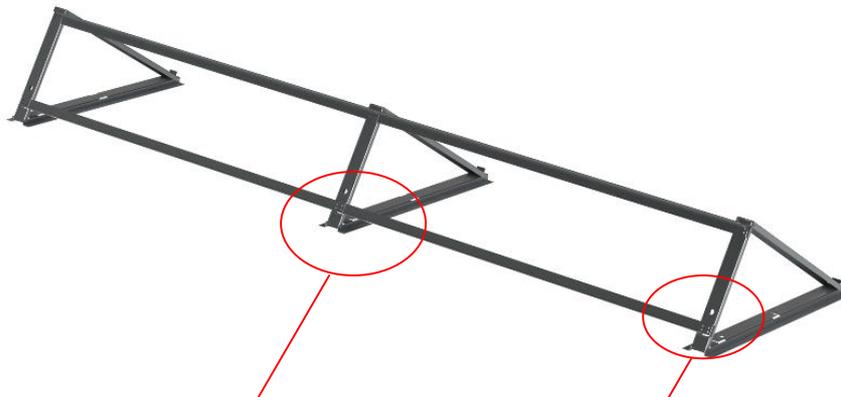


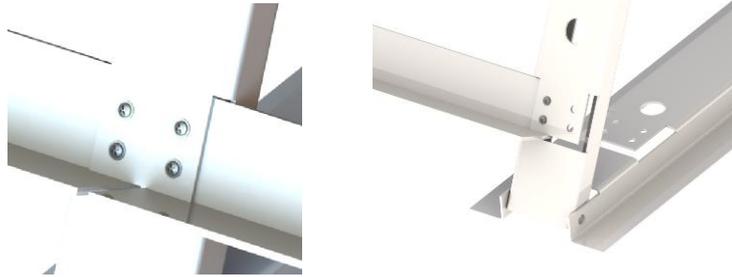
3. Assembling the Angle Plate



Simply slide and snap the Angle plate in the lower recess of the Short Leg / Base Plate. Use the electric screw driver to fixate the Angle Plate on the Short Leg /Base Plate with the Tapping screw (But don't tightening the screw that the Angle Plate can do little range adjustment).

a). Rear installation:





b). Base installation.

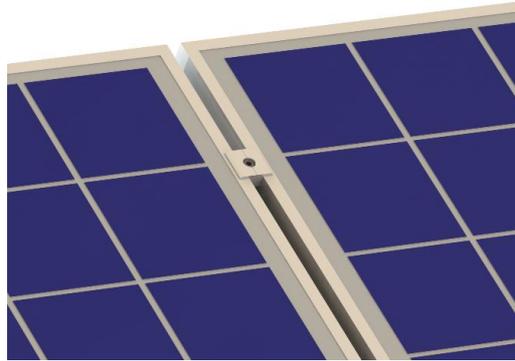


4. Installing the first solar module

Put the first solar module on the SunRack supports, and fasten it on one side with two end clamps.



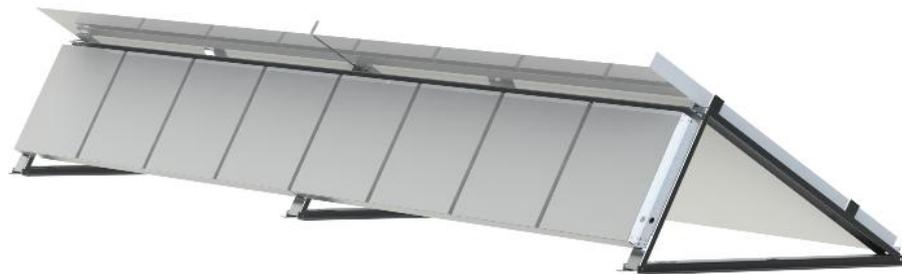
5. Installing second solar module



Put the solar modules on the Sunrack Ballast supports, and fasten them with two clamps. The last solar module in a row is fastened exactly as the first, see 4.

6. Putting in ballast

Rear installation:



Base installation:



After all the Solar panel installation, tightening the tapping screw make the angle plate fixed. The ballast is placed after all the solar modules are fastened and all the cabling is finished. This is done with standard concrete tiles of 400 x400 mm or 400X600mm . These tiles fit exactly in the 2 Angle Plate. When the backside is completely filled every module total has no more than 80kg (Rear Installation) / 160kg (Base installation) of ballast.

