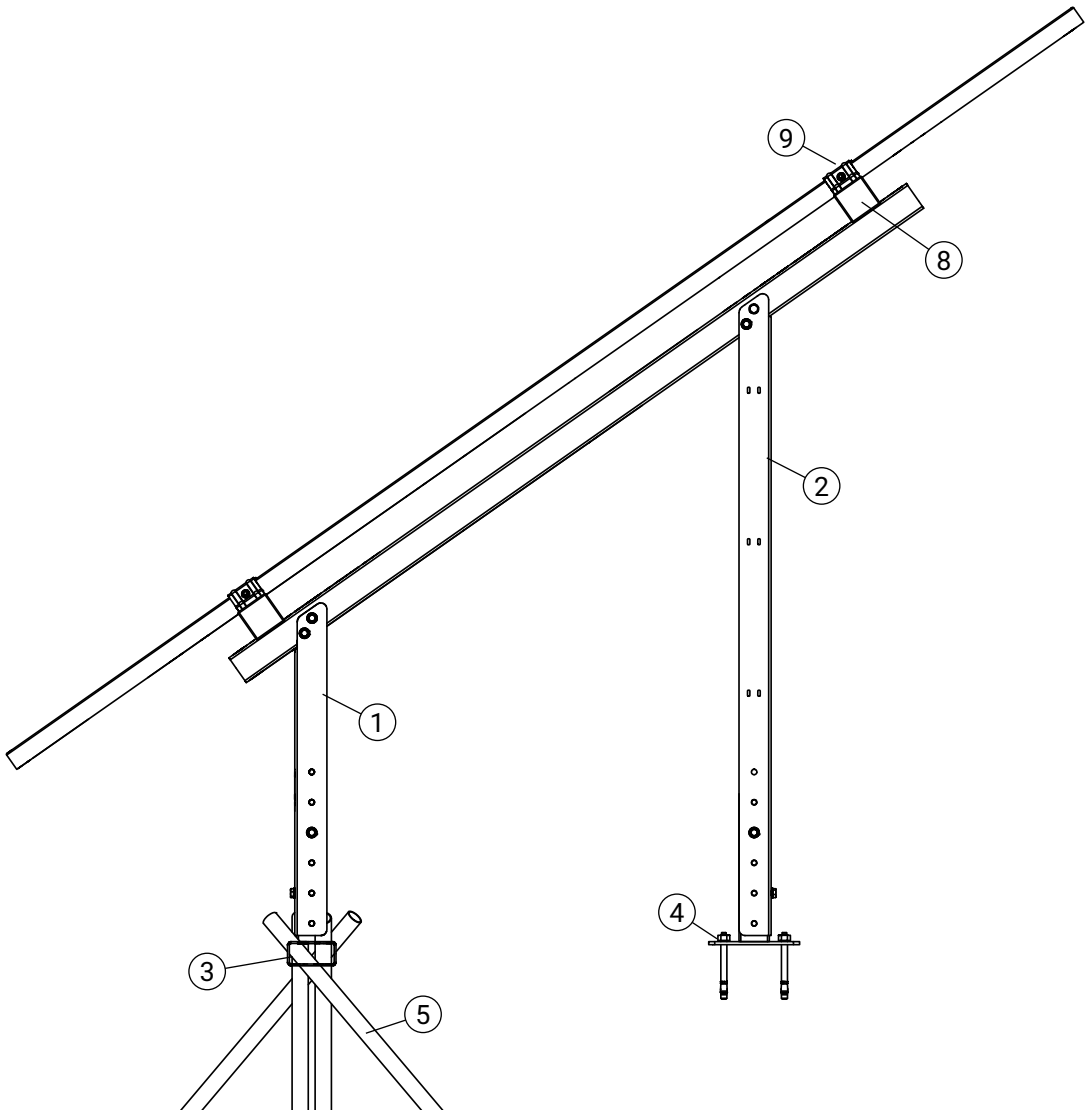


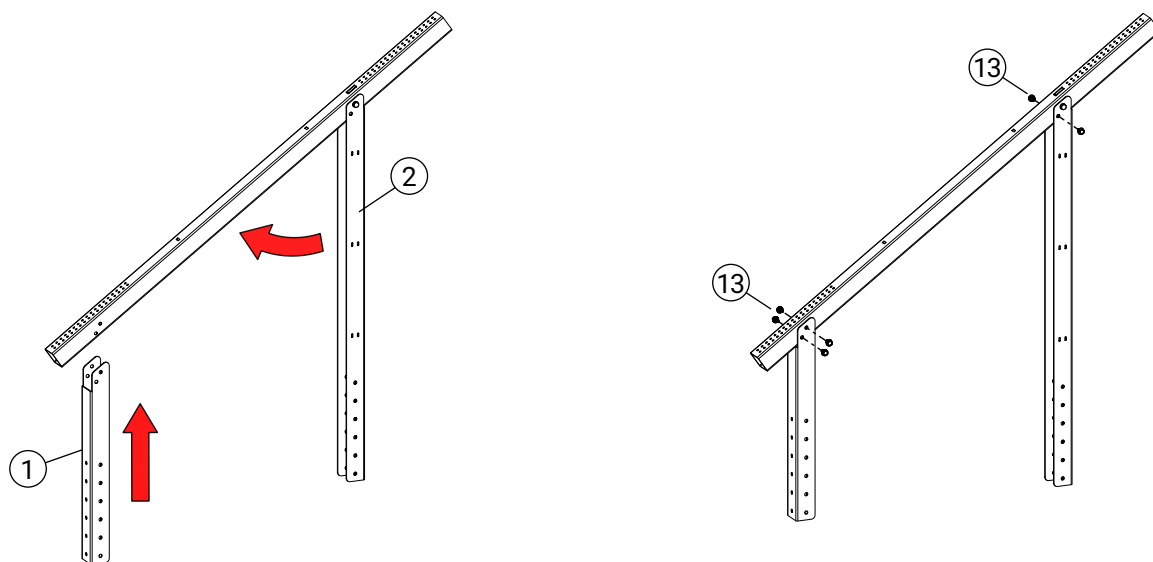
Ground-mounted solar panel system – single row

Part	Part. no.
1 Low Post – single row	MM5955
2 Rear Section – single row	MM1010
3 Ground base – ground pipe Std/High	MM2024/MM2049
4 Ground base – top-mounted Std/High	MM1524/MM1549
5 Ground pipe Ø27 mm, 1135 mm	RR2711
6 Cross braces	MM2400
7 Ground-mount template	MM5060

Part	Part. no.
8 Mounting rail solar system	IS2450
9 End clamps	KL1000
10 Centre clamp	KL2000
11 Plastic cover	PL5050
12 Self-tapping screw 6,3x19 mm 10/100/1000-pack	SS6191/SS6190/ SS1000
13 Self-tapping bolts 8.6x16 mm, 12-pack	BU8161



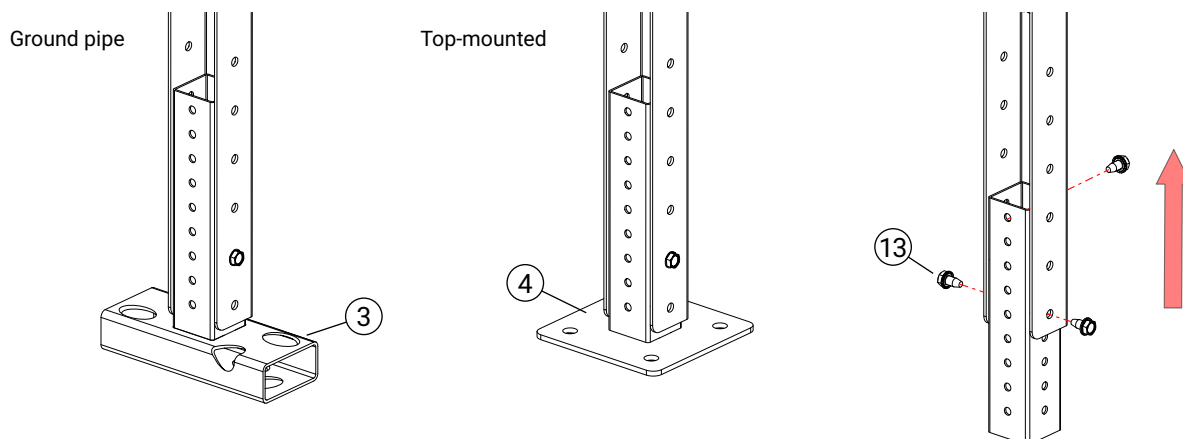
Installation Instructions. Ground-mounted solar panel system – single row



1. Assemble the frame

Angle out the rear section (2) and attach the front post (1) using a total of 6 self-tapping bolts (13).

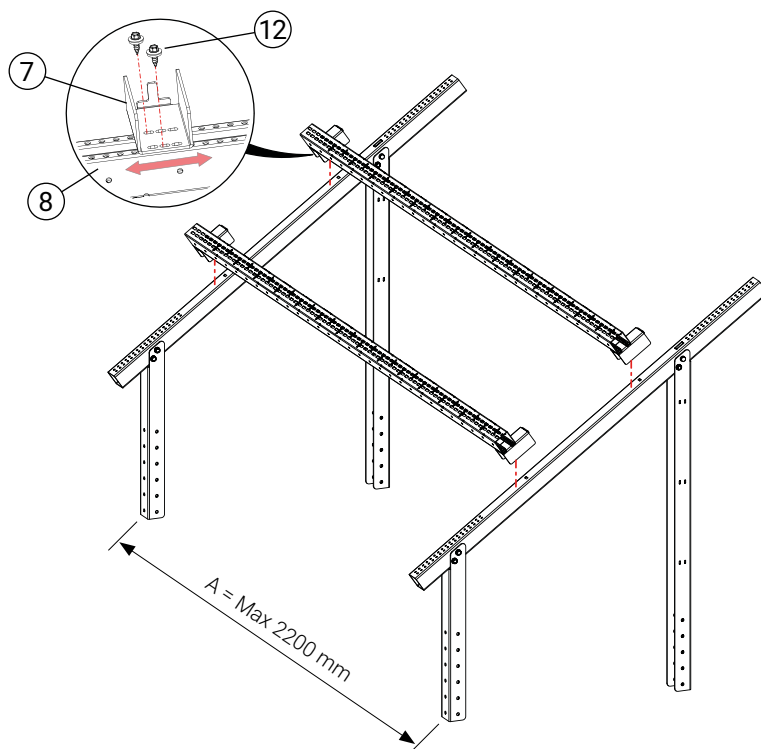
Retighten the preassembled bolt and nut.



2. Install the ground anchoring

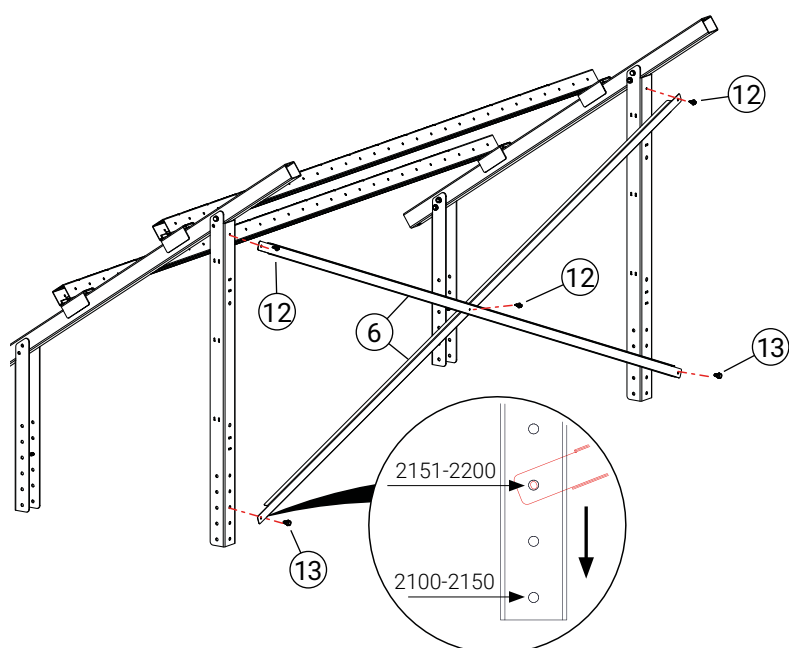
Install the ground base (3)(4) with 3 self-tapping bolts (13), one on each side.

Minimum overlap is 100 mm.



3. Position the frame

Attach the template (7) to a attachment rail (8) with a c/c distance according to A, as specified on the last page of the installation instructions. Place the template between the two frame assemblies.

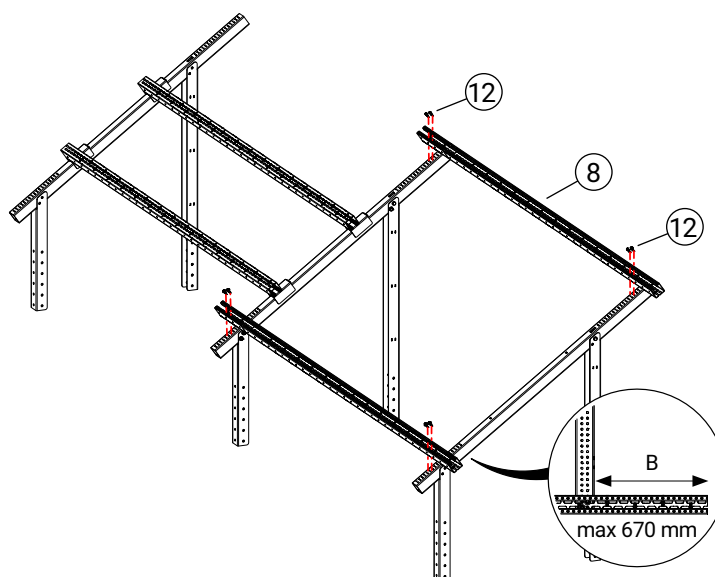


4. Install cross braces

The cross braces (6) are mounted as shown in the illustration using 3 screws (12) and 2 bolts (13).

For c/c distances of 2100–2150 mm, move the cross brace down two positions.

For c/c distances shorter than 2100 mm, the cross braces must be adapted during installation.

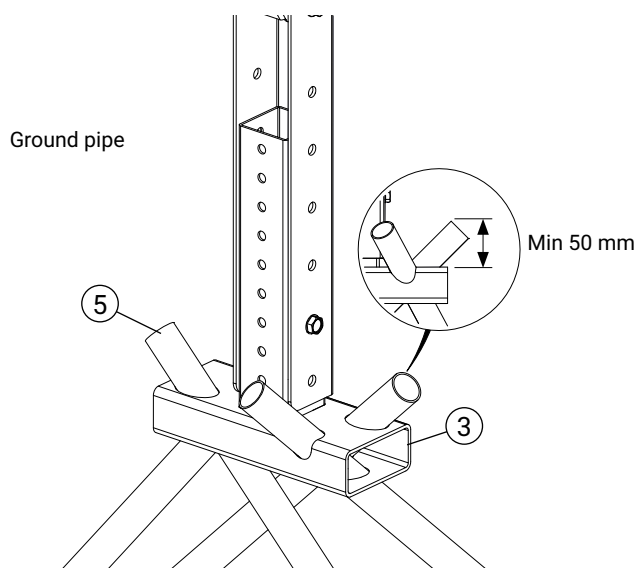


5. Montera infästningsskenor

Position the mounting rail (8) according to the table on the last page.

Fasten the rails to the frame with 2 self-tapping screws (12) at each cross connection.

Slide the rail sections together and secure the joint with 4 screws (12).

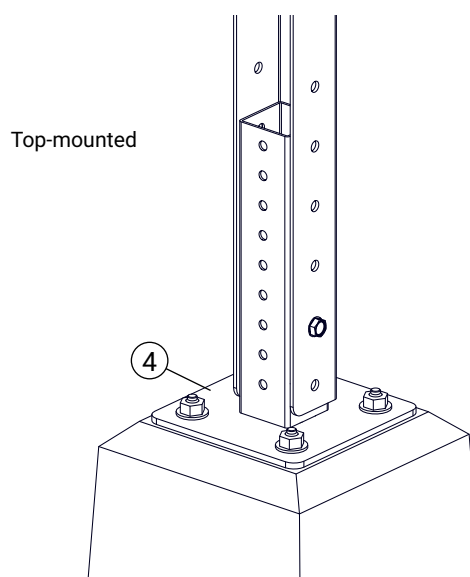


6a. Installation of ground pipes

Drive the ground pipes (5) through the ground base (3) and into the ground, leaving a minimum height of 50 mm. 2 pipes at the front and 2 at the rear.

Suggested tool:

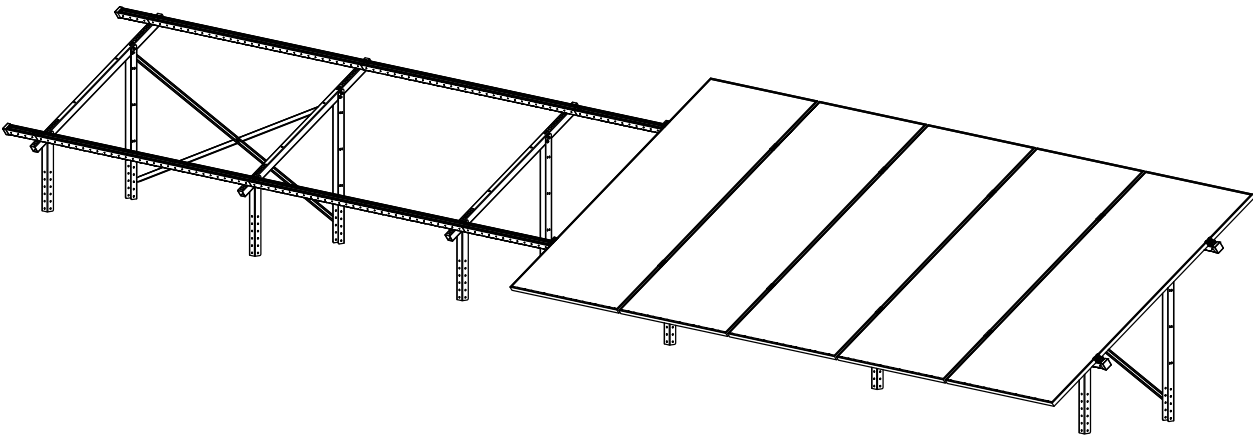
Ironside SDS+ Ø27.5 ground spike driver



6b. Installation of top-mounted ground base

Install the top-mounted ground base (4) onto a stable ground anchoring.

The ground anchoring and fasteners are not included.



7. Installation of solar panels

To complete the installation of the ground-mounted system, install the solar panels on top of the cross-mounted rails according to **MA5111**.

Dimensions table – single row ground-mounted system

Panel width: 1134 mm.

Maximum distance between frames: 2200 mm. Permitted deviation is ±150 mm and should be adjusted at the next frame. Maximum permitted rail overhang is 670 mm.

*The cross braces must be adapted during installation.

Number of panels	Number of frames	Total width	Number of Cross Braces
6	4	7.040	1
7	5	8.200	1*
8	5	9.350	1
9	6	10.510	2*
10	6	11.660	2
11	7	12.810	2*
12	7	13.970	2
13	8	15.120	2
14	8	16.280	2
15	9	17.430	2
16	9	18.580	2
17	10	19.740	2
18	10	20.890	2
19	11	22.050	2
20	11	23.200	2
21	12	24.350	2
22	12	25.510	2
23	13	26.660	3
24	14	27.820	3
25	14	28.970	3

Frame C/C [A]	Overhang [B]
2.200	197
1.950	170
2.200	251
2.020	170
2.200	305
2.070	170
2.200	359
2.110	170
2.200	413
2.130	170
2.200	467
2.150	170
2.200	521
2.170	170
2.200	575
2.180	170
2.200	629
2.190	170
2.110	170
2.200	170