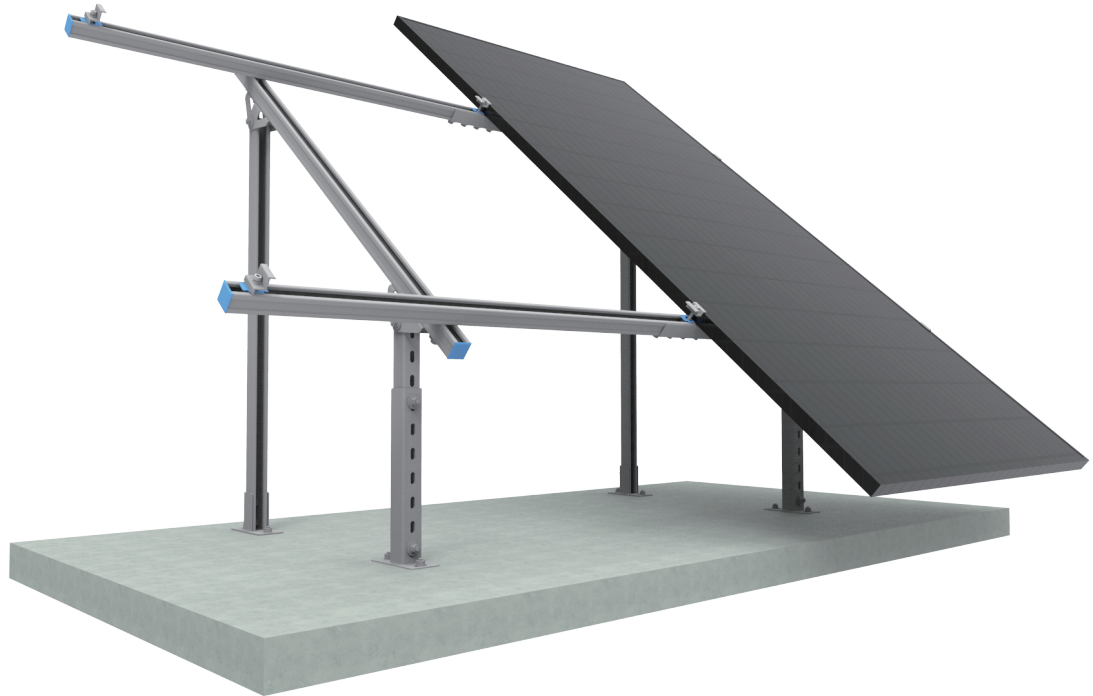


# Solar Panel Mounting Brackets



# 1. System Components



Rail x 4  
1200mm



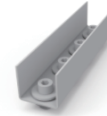
Beam Asm x 2  
1200mm



Front Column Asm x 2  
515mm



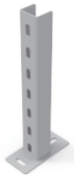
Back Column Asm x 2  
1060mm



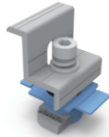
Connector Asm x 3



Rear Foot x 2



Front Base x 2



End Clamp Asm x 4  
H30/35mm



Mid Clamp Asm x 3

1# PE Bag



Cap x 8

2# PE Bag



Bolt Asm x 8  
M10x25



Bolt Asm x 8  
M10x65

3# PE Bag



Expansion Bolt x 8  
M10x100

4# PE Bag



Allen Wrench Tool  
(6mm)



Allen Wrench Tool  
(8mm)



Hex Wrench Tool  
(15-17mm)

5# PE Bag

Note: Images are for reference only;  
the actual product shall prevail.

## 2. Overview

### 1. Product Features

※ **Material:** Main structural components are made of S350GD magnesium-aluminum-zinc coated steel, offering high strength and corrosion resistance; suitable for outdoor use with wind and snow loads.

※ **Structure:** Pre-drilled holes and pre-installed triangular connectors allow for fast and flexible on-site installation.

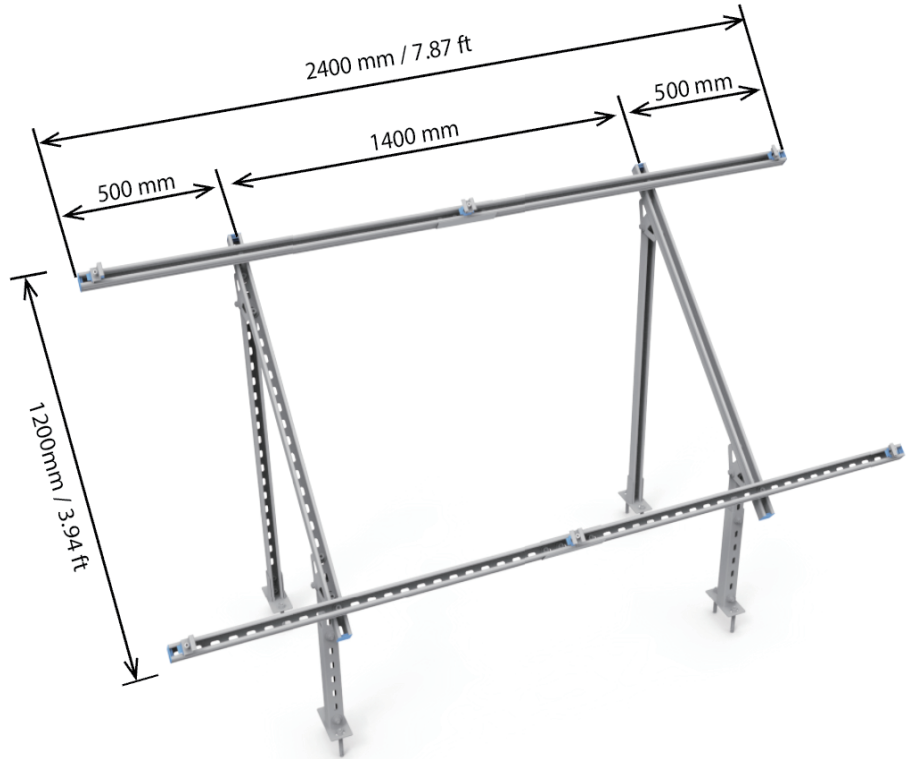
※ **Installation Angle 20°–40°:** Adjust the height of the front column and move the front base to switch between different installation angles.

※ **Flexible Assembly:** The standard packaging of this system is a "1x2 array." Two standard packages can be combined to form a "1x4 array."

※ **Compatible with Various Solar Panel Sizes:**

Length: 970–2279 mm; Thickness: 30 or 35 mm;

Width: adjustable according to the array configuration.



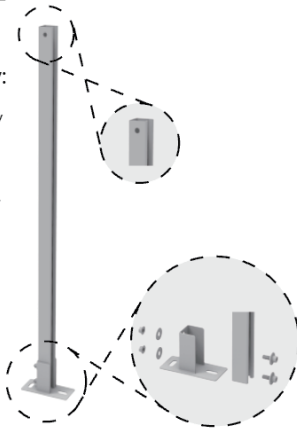
### 3. Installation

#### Step 1

##### a. Front Column Assembly:

Take 2 sets of Bolt Assembly M10×25 to secure the Back Column Assembly and Rear Base Assembly.

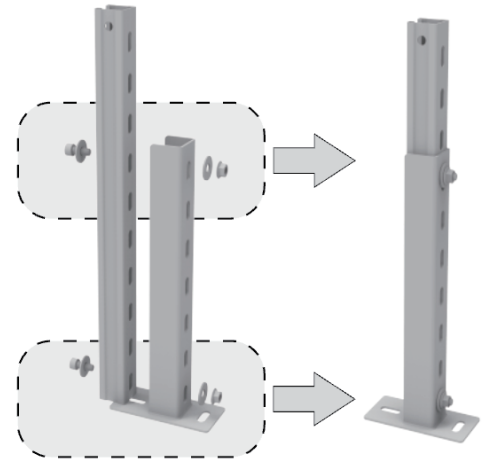
Note: As shown in the figure, the round-hole end should face upward.



##### b. Rear Foot Assembly:

Take 2 sets of Hex Socket Bolt Assembly M10×25 to secure the Front Column Assembly and Front Base Assembly.

Note: As shown in the figure, the round-hole end should face upward.

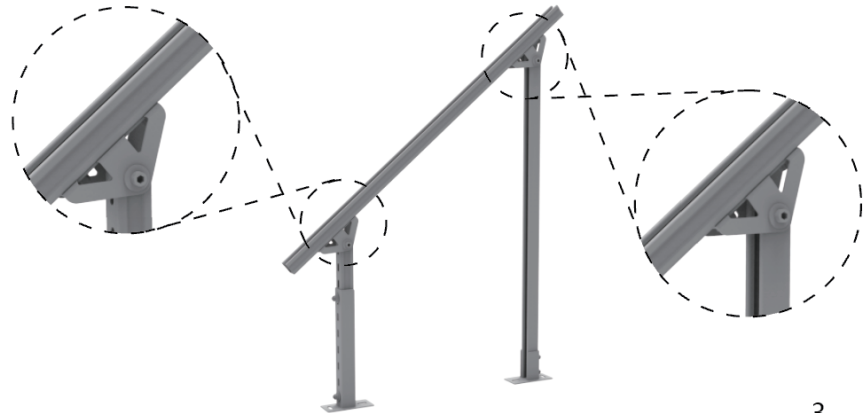
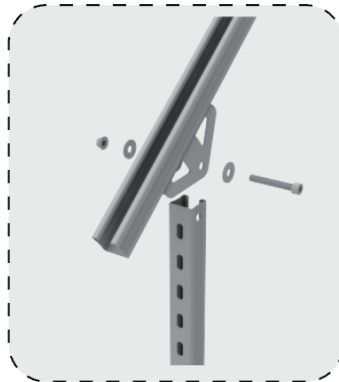


#### Step 2

##### Inclined Beam Support Assembly:

Take 2 sets of Hex Socket Bolt Assembly M10×65 to secure the Front Column Assembly and Back Column Assembly to the triangular connectors of the Inclined Beam Assembly.

Note: As shown in the figure, make sure the grooves face toward the center.

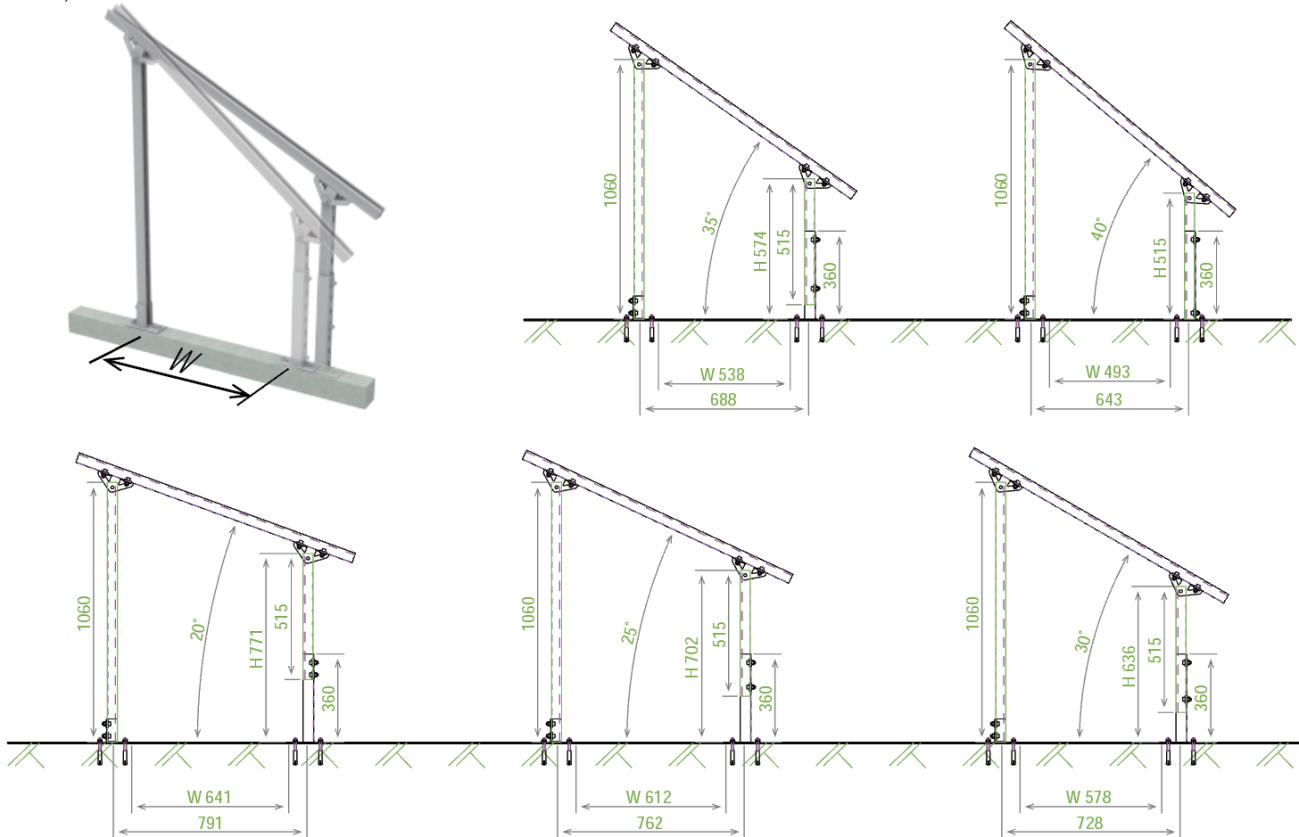


※ Inclined Beam Support Asm

Inclined Beam Support Assembly Angle Adjustment

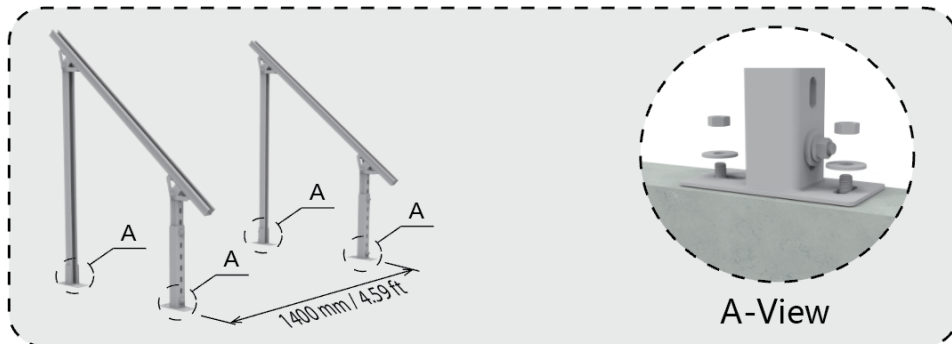
Installation angles of 20°, 25°, 30°, 35°, and 40° correspond to the H and W dimensions shown in the figure below.

(Unit: mm)



**Step 3: Position and Install Inclined Beam Support Assembly**

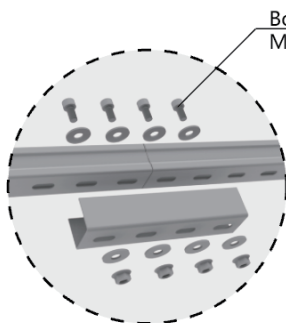
Take 2 sets of Inclined Beam Support Assembly, adjust the spacing to 1400 mm, mark the positions for the Expansion Bolts, and secure with Expansion Bolt M10×100(A-View).



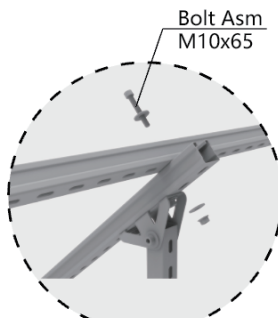
**Step 4: Install Rail (B-View) and Connector Assembly (C-View)**

Assemble the rail by connecting the connector set (C-View), and then install the rail onto the inclined beam (B-View).

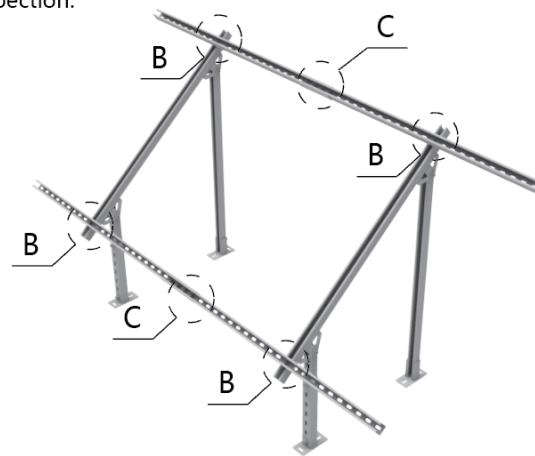
**Note:** After completing the above steps, tighten all bolts and mark them for regular inspection.



C-View

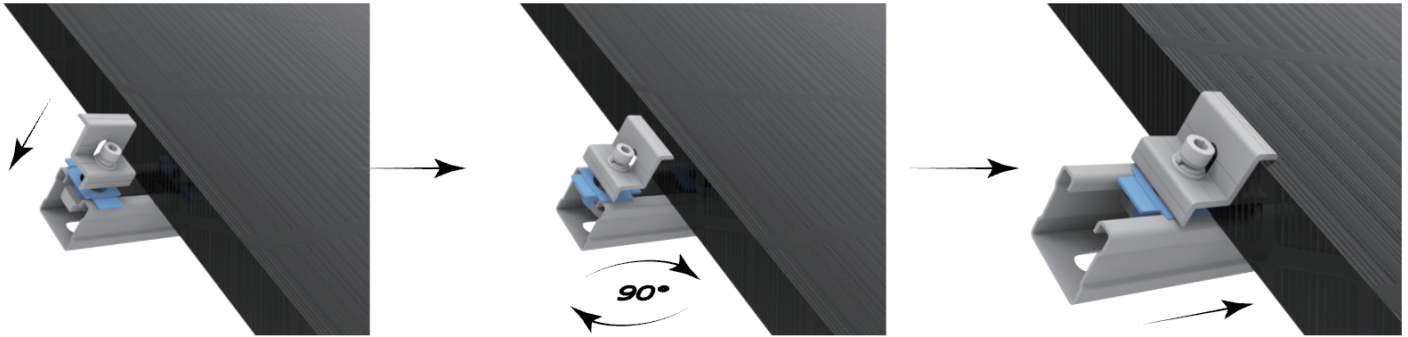


B-View

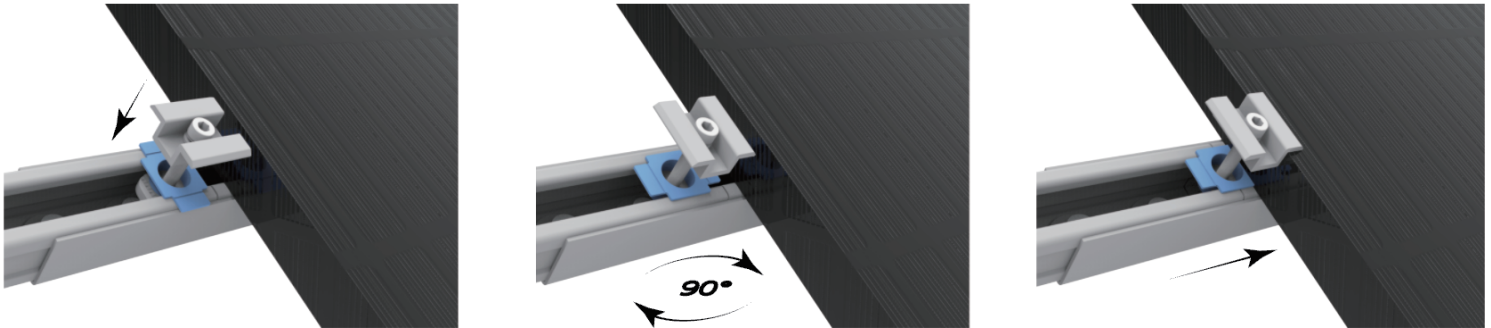


Step 5 Install the solar panel

a. Install the end clamp asm ( Suitable for 30 mm or 35 mm thick solar panels )



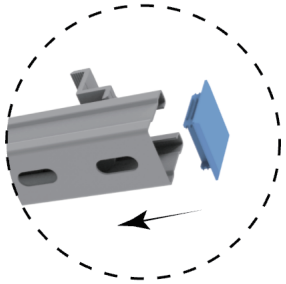
b. Install the mid clamp asm



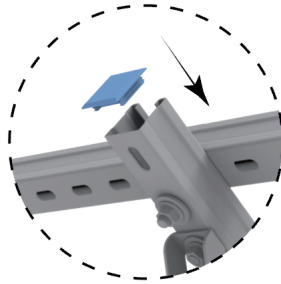
Note: After completing this step, tighten the clamps and make proper markings for regular inspection.

Step 6 Install the caps

Install the caps on both ends of the rails and on both ends of the inclined beams.



End of the rail



End of the beam

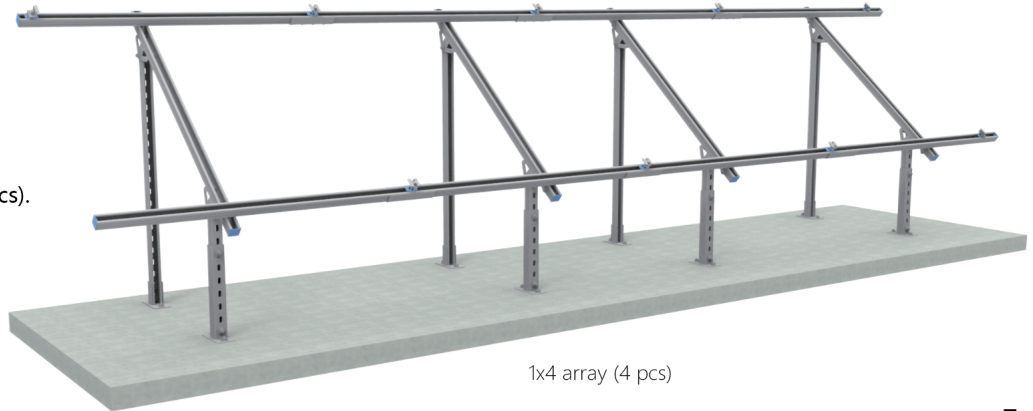


1x2 array (2 pcs)

The standard packaging of this system

is a 1x2 array (2 pcs).

Two standard packages form a 1x4 array (4 pcs).



1x4 array (4 pcs)