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# Aluminum Profile Triangle Bracket

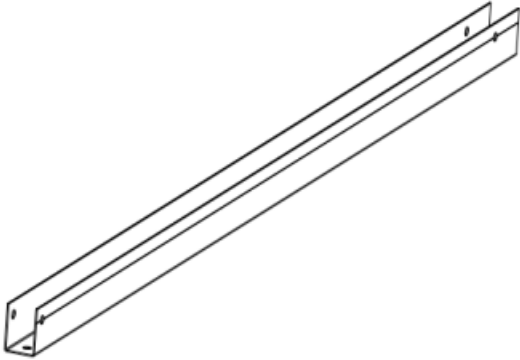
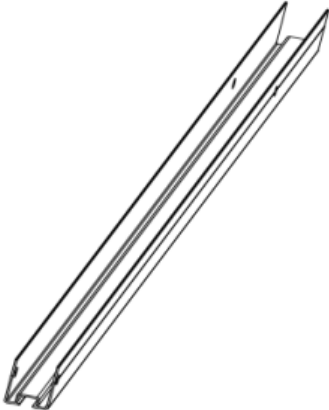
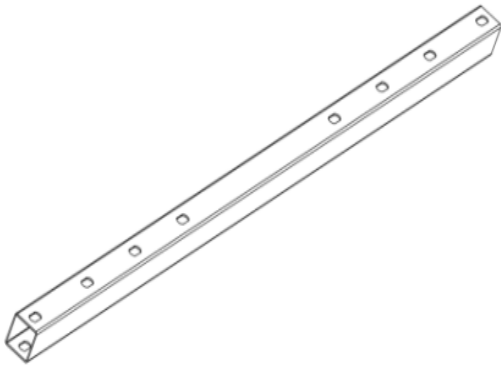
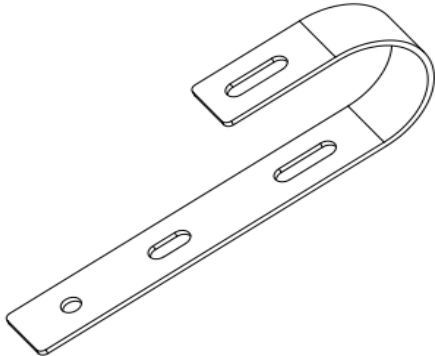
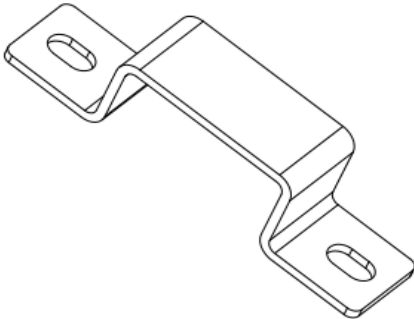
Power4Home

## Installation Instructions

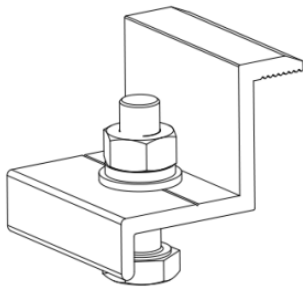


# Step1 – Introduction of the balcony mounting system

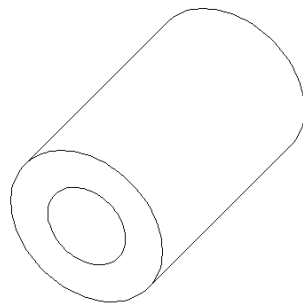
## 1.1 Parts List

|                                                                                                               |                                                                                                                                  |
|---------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <p>Bottom beam x2</p>        | <p>Beam x2</p>                                 |
| <p>Telescopic rod x2</p>   | <p>Cross arm and bolt set x1 (Optional)</p>  |
| <p>Round pipe hook x2</p>  | <p>Square tube hook x2</p>                   |

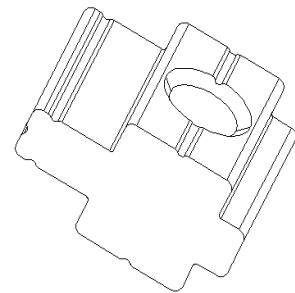
**Side Clamp x4**



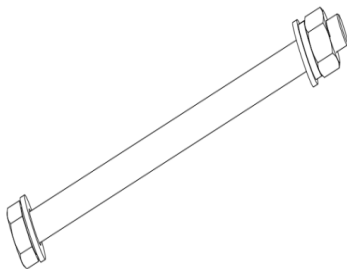
**Casing pipe x2**



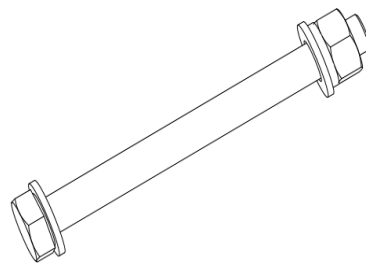
**Aluminium nut x4**



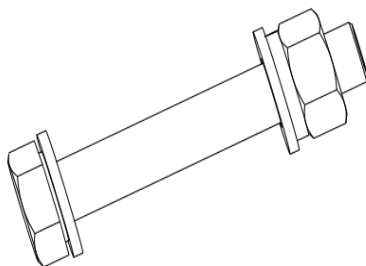
**Bolt Set M8\*110 x4**



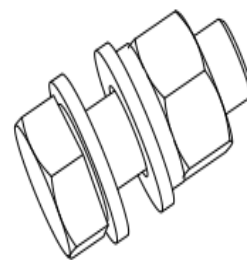
**Bolt Set M8\*85 x2**



**Bolt Set M8\*50 x8**

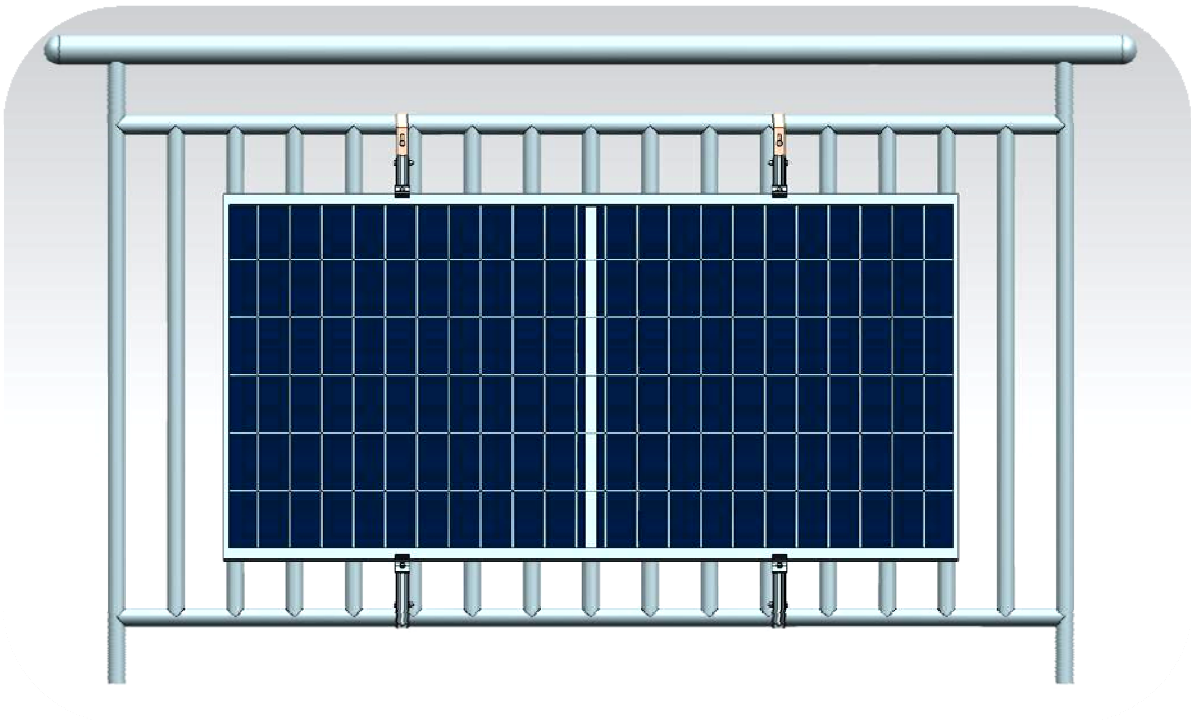


**Bolt Set M8\*20 x8**

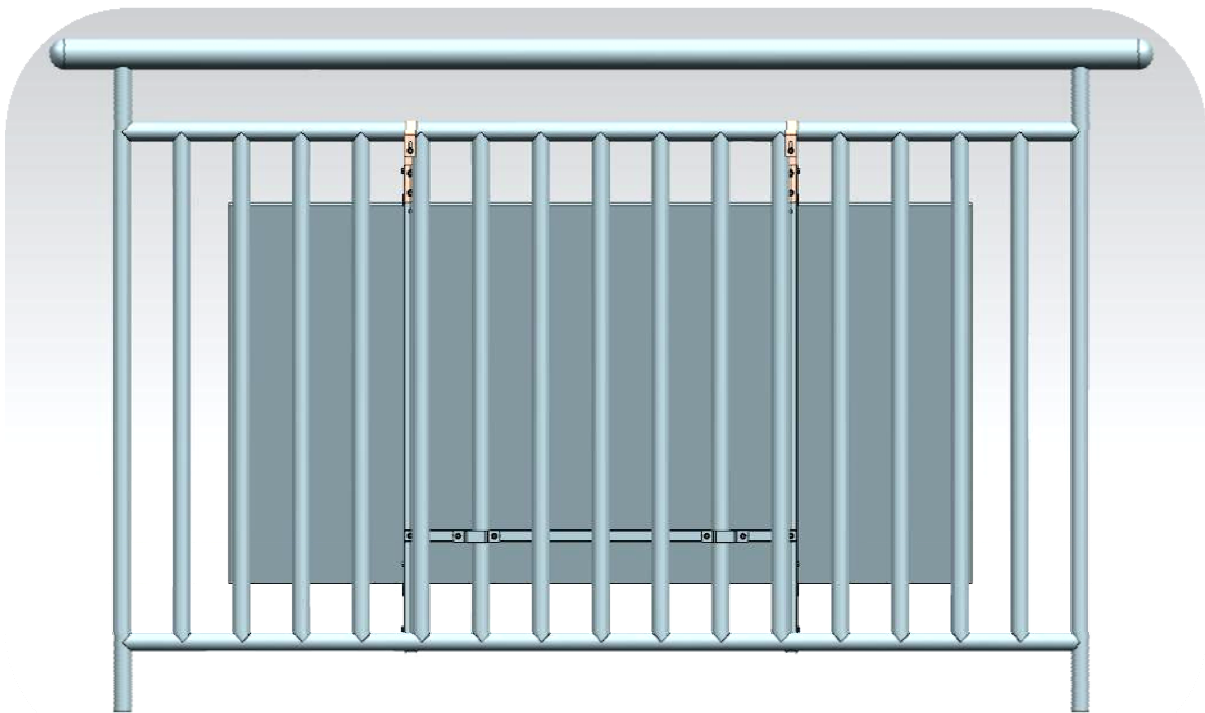


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## 1.2 Effect Drawing



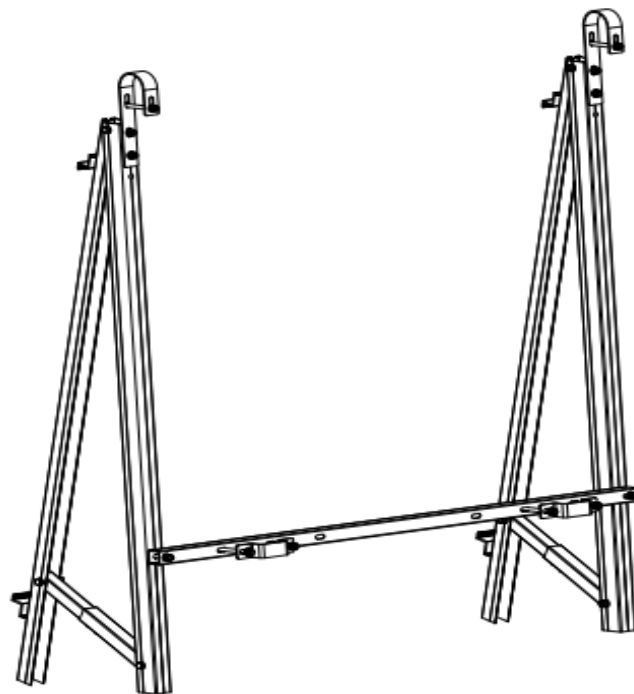
Front View



Rear view



Side view

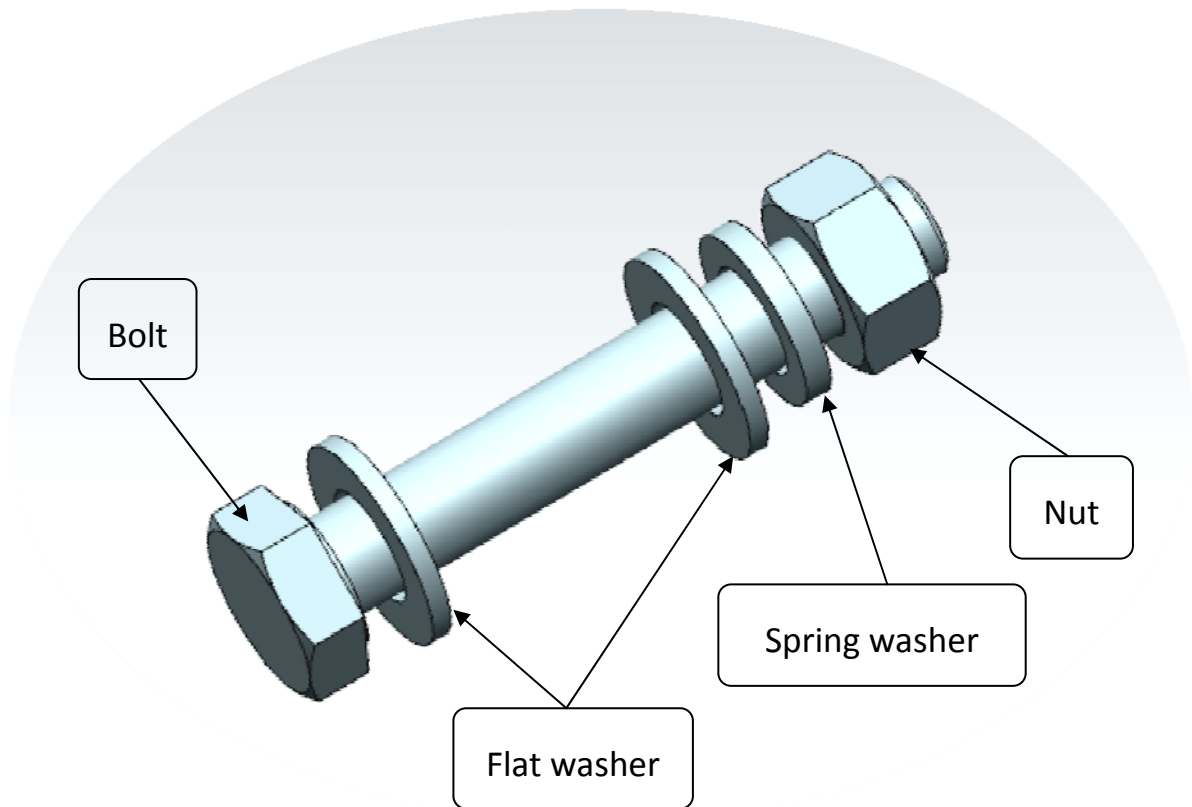


Rendering of bracket

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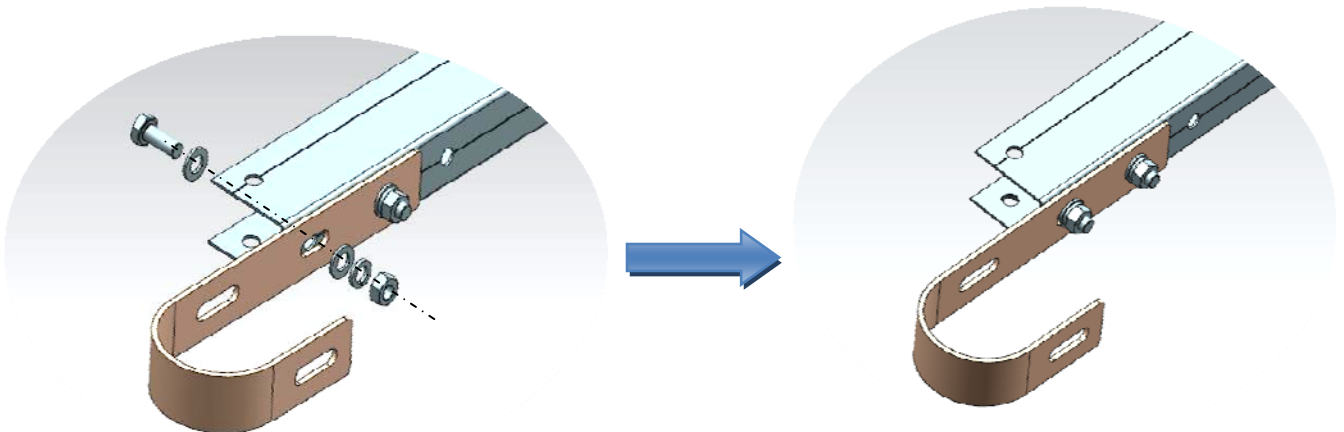
## Step 2- Installation Procedures

All bolt groups are installed with a flat washer on side, and a flat washer spring washer and nut on the other side.



### 2.1 Round pipe hook Installation

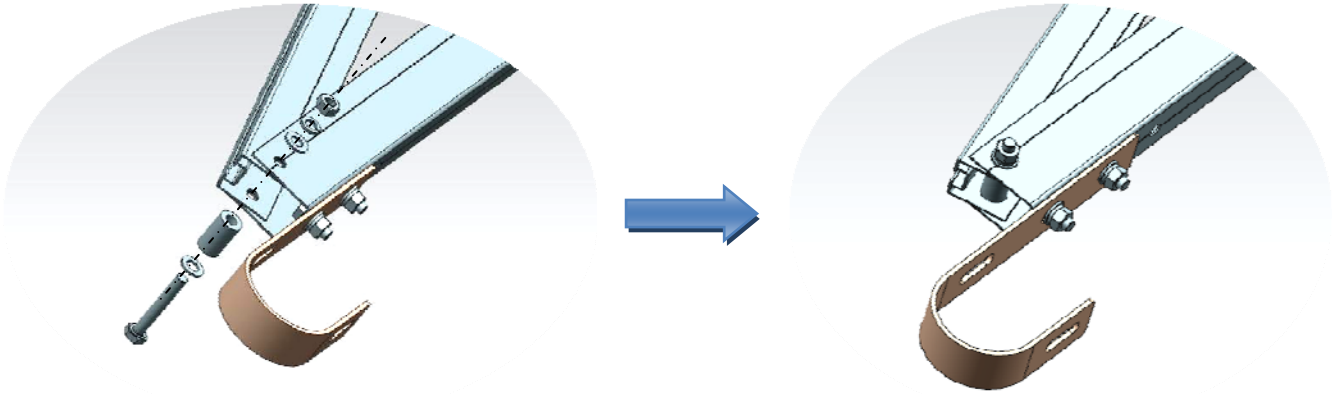
Assemble the bottom beam and round pipe hook with two sets of M8\*20 bolt assemblies.



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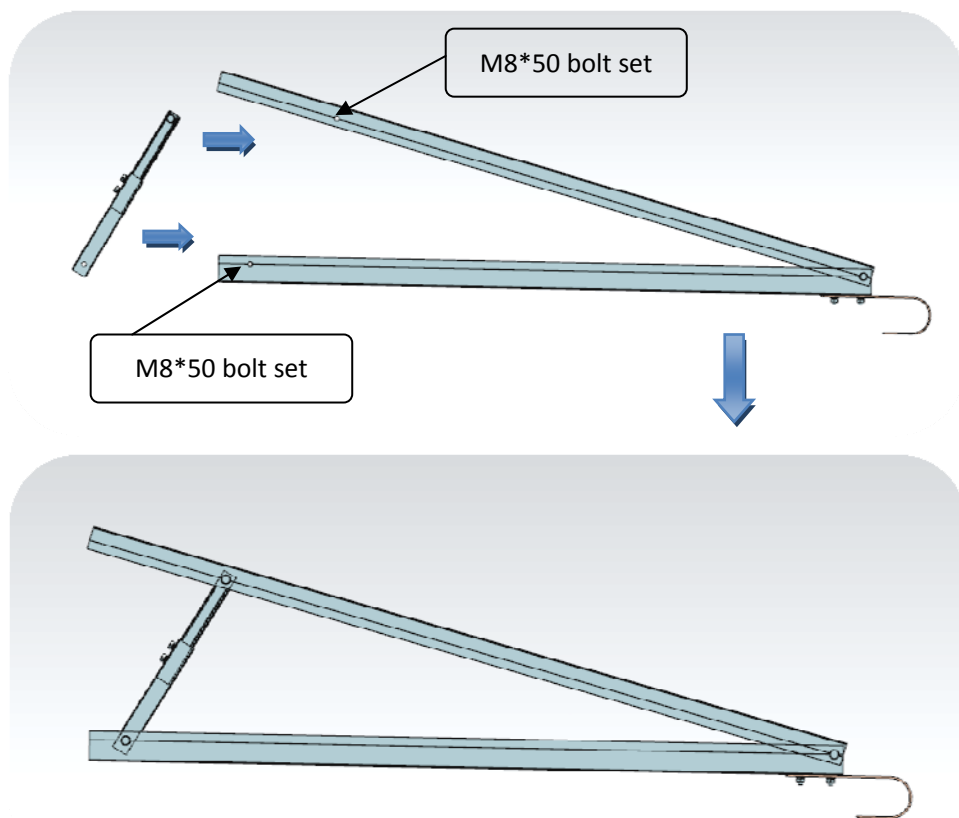
## 2.2 Install the beam and bottom beam

Open pre-assembled beams and bottom beams, A set of M8\*50 bolt is used for the connection between the beam and the bottom beam.



## 2.3 Install the telescopic rod

Install the telescopic rod on the bottom beam through the M8\*50 bolt .

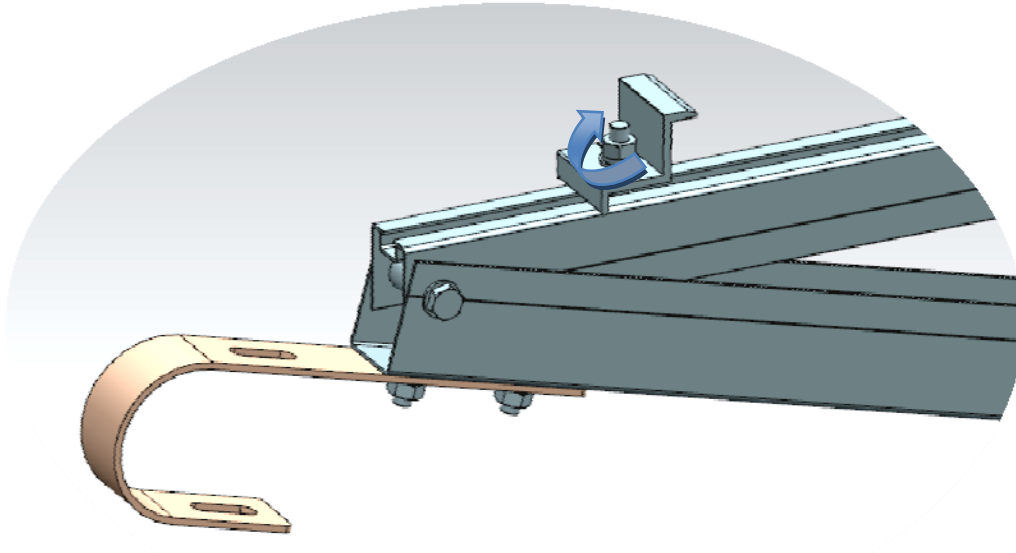


Do the same steps for the other set of tripods.

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## 2.4 Install solar panels

a. Mount the Side Clamp to the beam by turning the T-bolt.



b. Pre-install Clamp at the bottom of the tripod to prevent the module from slipping.



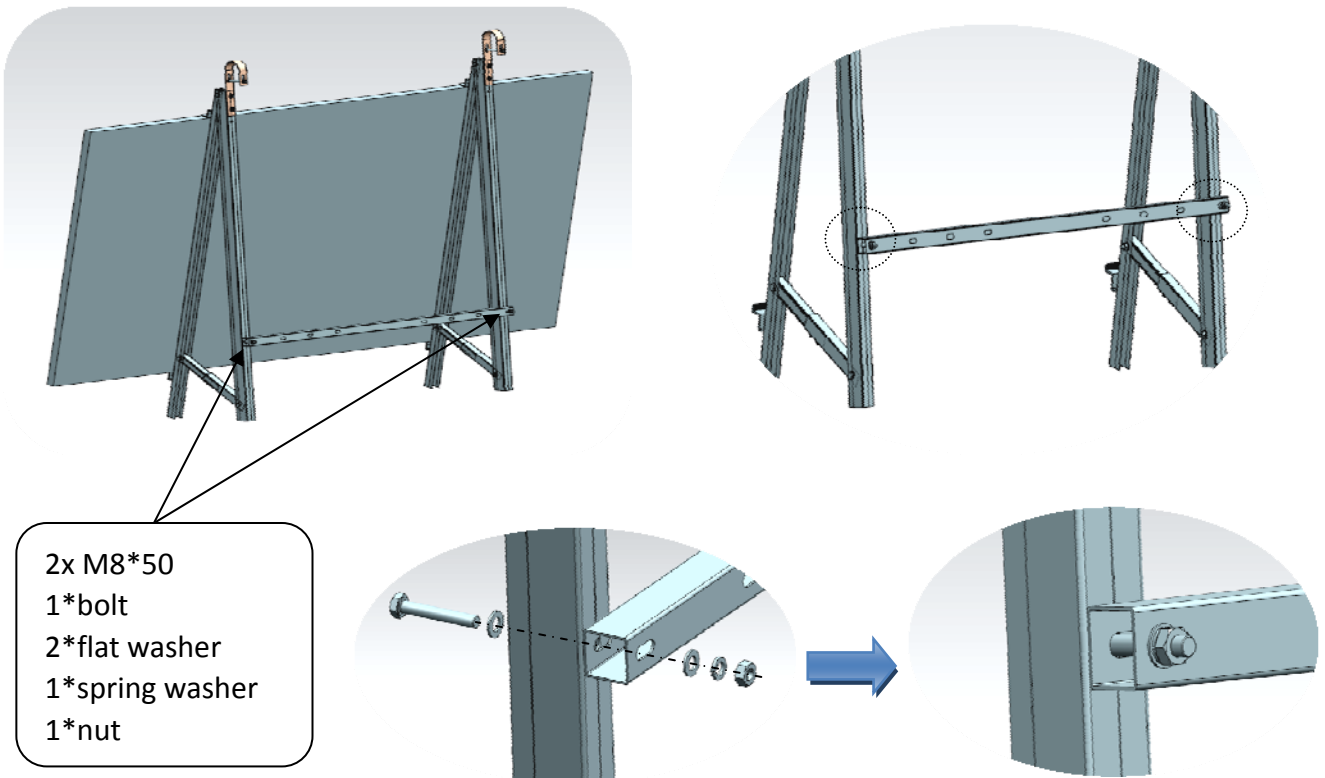
c. Put the Solar panel on the mounted tripod then fixed it with side clamps at the four ends.



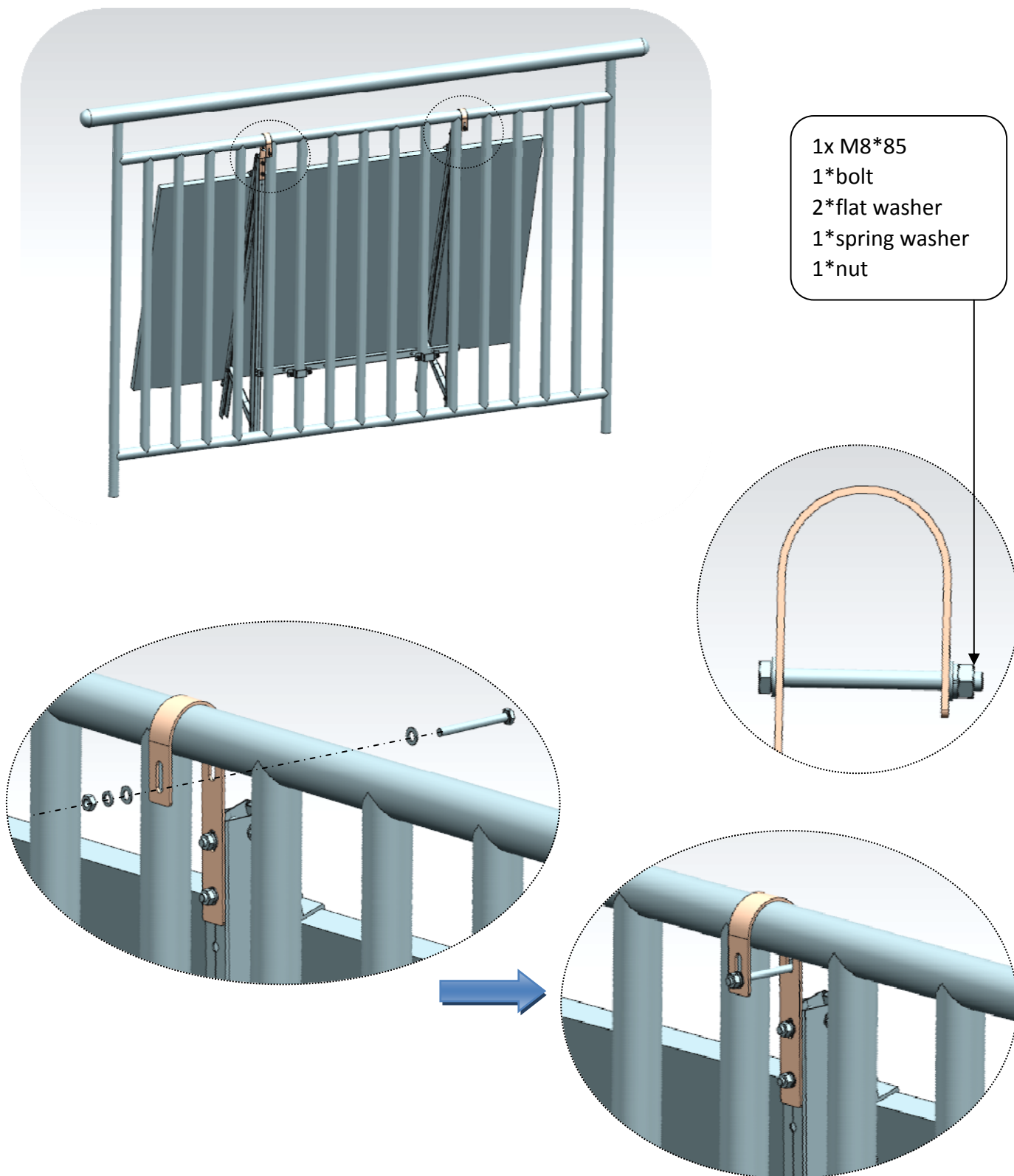
## Step 3- Optional installation

The cross arm increase the stability of the tripod and can install the inverter on it.

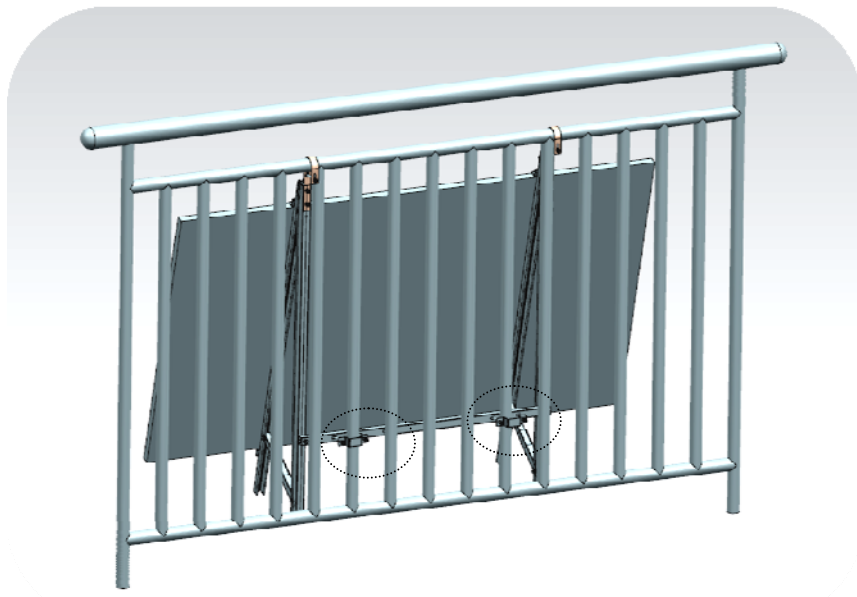
Fix the cross arm to the bottom beam through the M8\*50 bolt group.



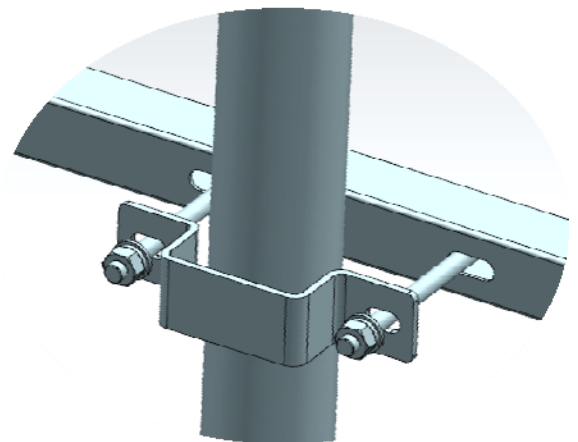
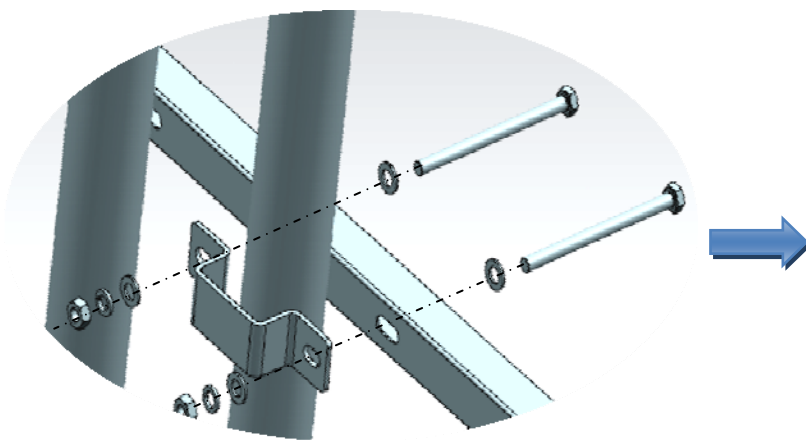
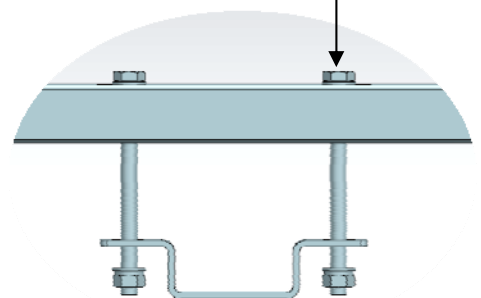
## Step4- Installation the round pipe hook.



## Step5- Installation square pipe hooks.



2x M8\*110  
1\*bolt  
2\*flat washer  
1\*spring washer  
1\*nut



## Step 6- Torque of Bolts

| Bolt | Torque(N*m) |
|------|-------------|
| M8   | 8-10        |