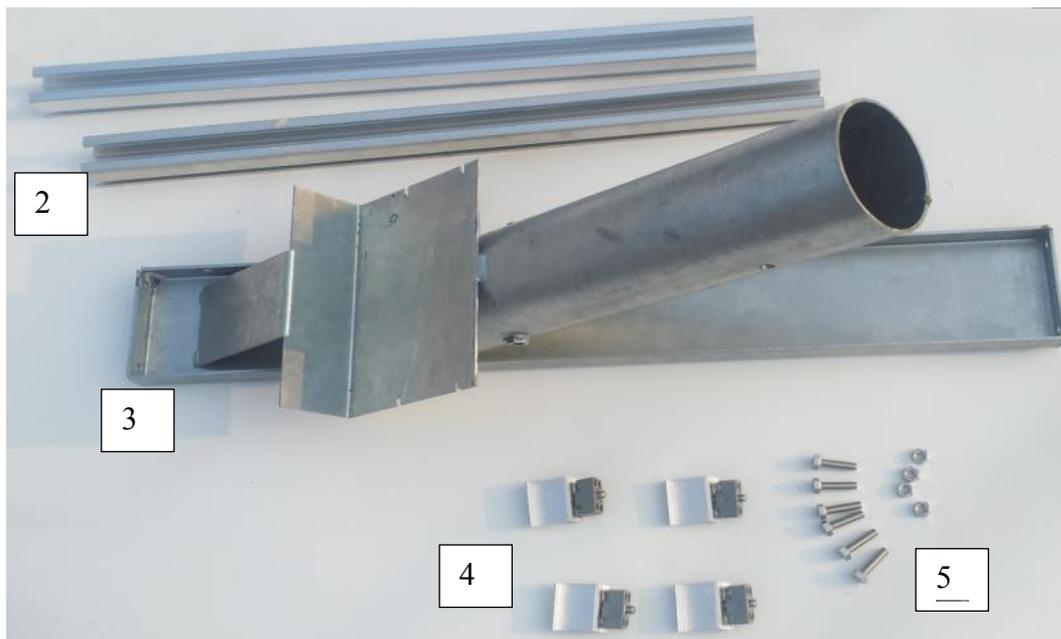


## SOLAR PANEL INSTALLATION GUIDE

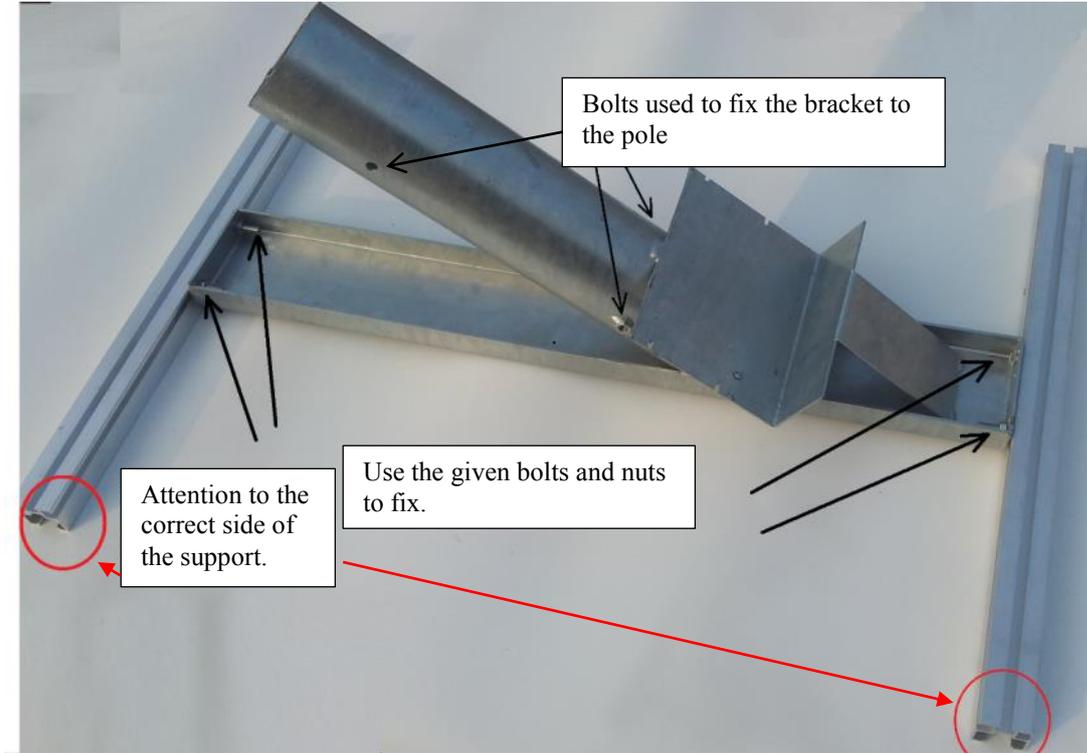
### 1- Part List

- n°1 Solar panel 50Wp (1)
- n°2 Panel support profiles in aluminum (2)
- n°1 Pole head bracket (3)
- n°4 Clamps (4)
- n°6 Bolts and n°4 Nuts (5)
- n° 1 Pole adapter 3" to 2", including fasteners (6)



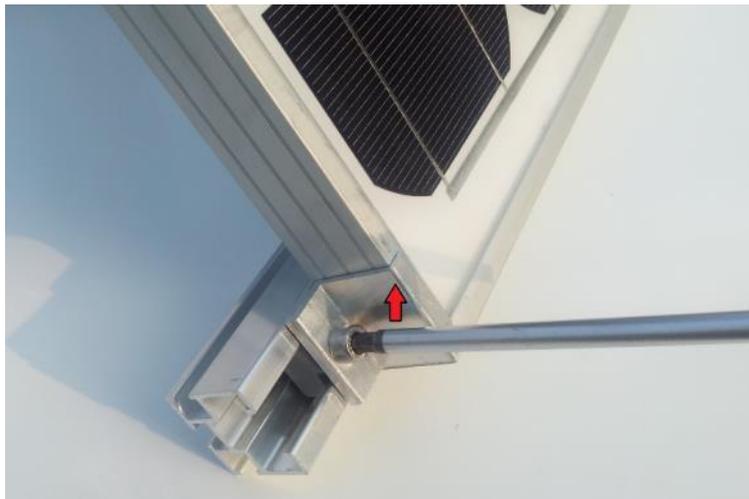
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2- Fix together the two (2) aluminum supports with the bracket (3) as shown in the picture.



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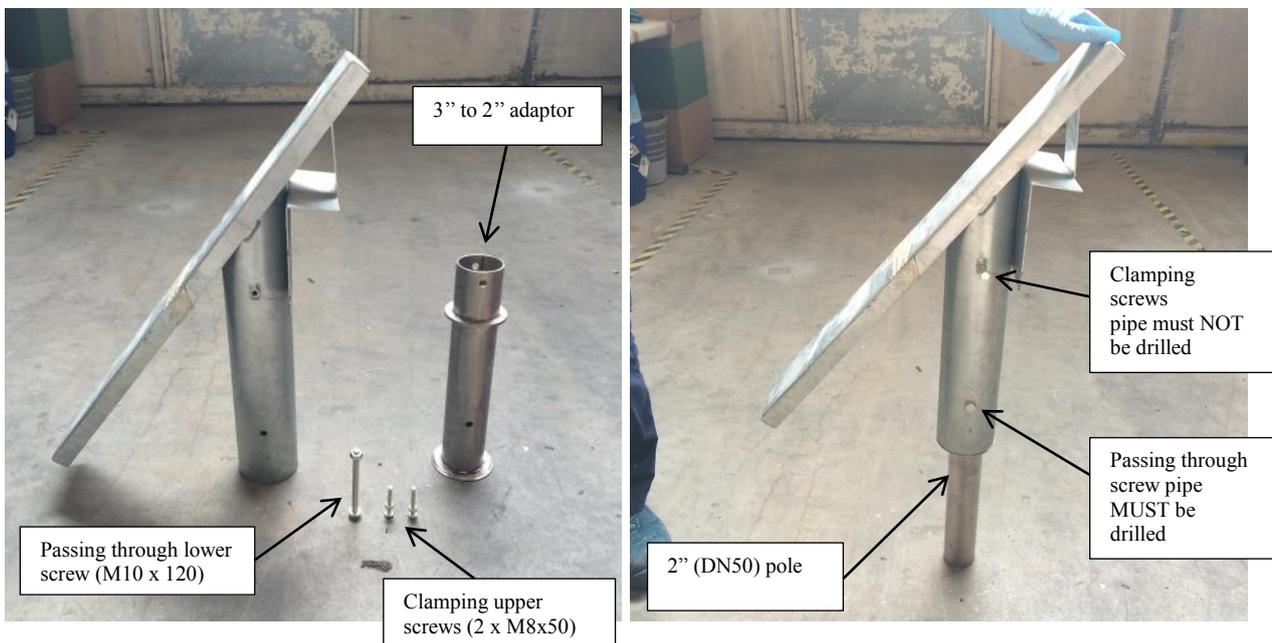
- 3- Arrange the solar panel (photovoltaic module) on the aluminum profiles (centering it on the left and right side). Press it on the clamp (red arrow) and tighten the the 6mm “allen” screw. Fix the other three clamps as shown in the picture.



**Make sure that all screws are well tight.**

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- 4- The positioning of the solar panel is an important factor for the best efficiency of the system. Normally the maximum efficiency is achieved with south orientation in the Northern hemisphere and north orientation on the Southern hemisphere, anyway, the best orientation of the module depends on the installation conditions, in particular it is important to control that the horizon of the solar panel is free from obstacles.
- 5- The solar panel brackets permit installation on 2" (DN50) or 3" (DN80) poles, using the included adaptor.



- 6- Once the solar panel is oriented in the right direction tight the bolts on upper side of the bracket to the pole to avoid rotation of the panel, drill the pole in order to fit the lower passing through screw and tighten it, in order to avoid any long term unscrewing.

