



SOLARTECH

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Universal Top-of-Pole Mount MC120S-4 Installation Guide



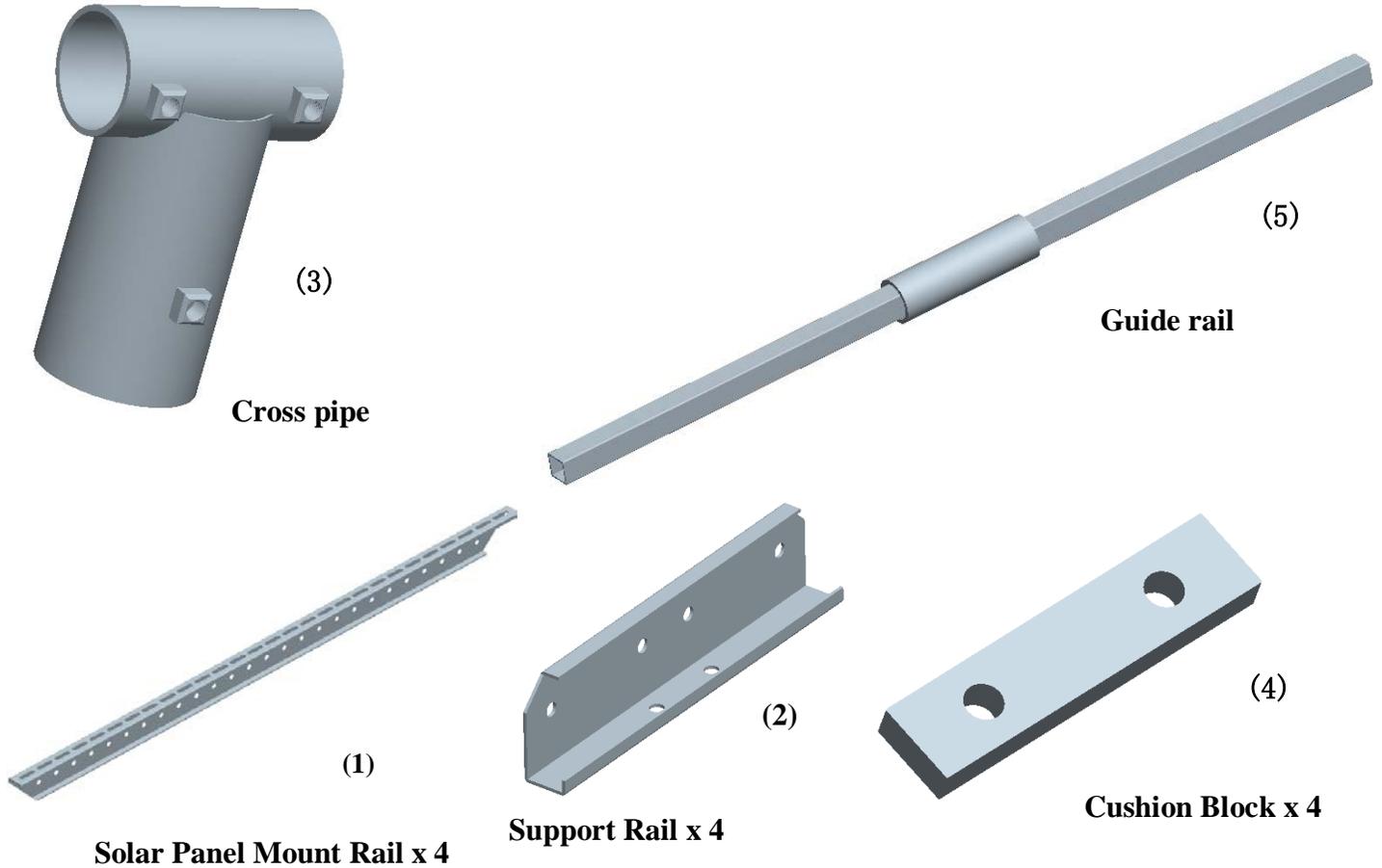
| For | # of modules |
|-----------------------|------------------------|
| For Solartech Modules | 4PCS 100W,120W,130W |
| For UL-SOLAR Modules | 4PCS 100W,120W,130W |
| For BP Modules | 4PCS 120W |
| For SHARP Modules | 4PCS 130W |
| For KYOECERA Modules | 4PCS 130W |

| Component List | | |
|---------------------------------|-----|---------|
| Part | Qty | ID code |
| Solar Panel Mount Rail | 4 | (1) |
| Support Rails | 4 | (2) |
| Cross pipe 4' | 1 | (3) |
| cushion block | 4 | (4) |
| guide rail | 1 | (5) |
| M16 Hex Bolt for Cross pipe | 3 | Bag 1 |
| M8 right angle U-bolt | 4 | Bag 2 |
| M8 hex-cap bolt for U-bolt | 4 | |
| M8 flat washer for U-bolt | 8 | |
| M8 split lock washer for U-bolt | 8 | |
| M10 hex-cap bolt | 16 | Bag 3 |
| M10 flat washer | 16 | |
| M10 split lock washer | 16 | |
| M10 hex nut | 16 | |
| M6 hex-cap bolt | 16 | Bag 4 |
| M6 flat washer | 16 | |
| M6 split lock washer | 16 | |
| M6 hex nut | 16 | |



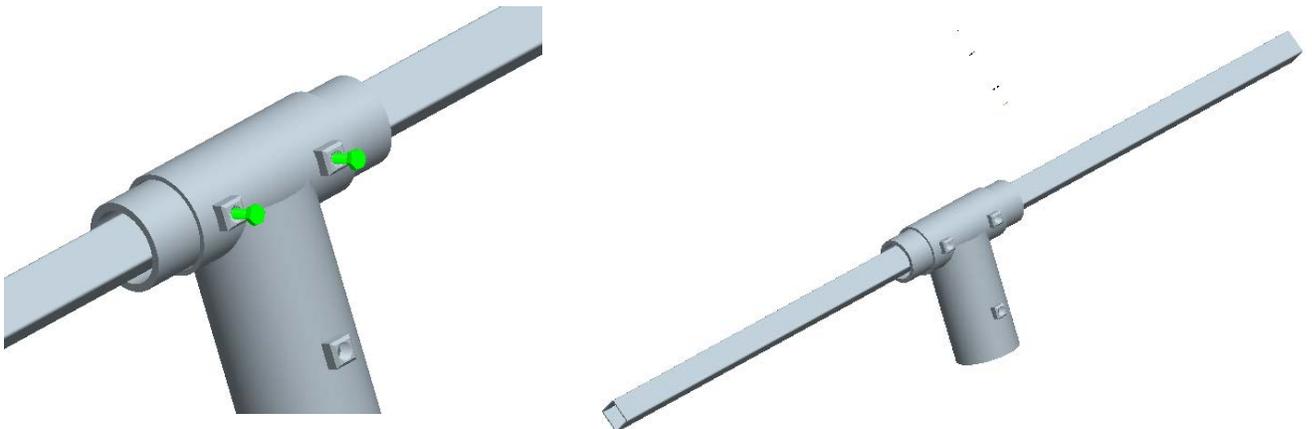
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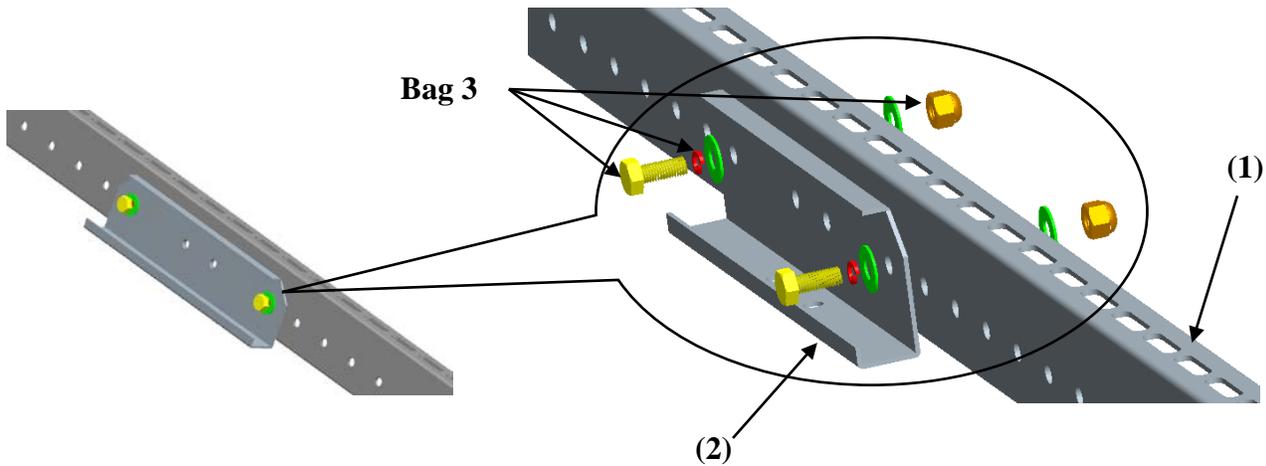
Install step:

1. Put the guide rail (5) through 4" cross pipe (3), make sure both sides are equally spaced. Tighten the guide rail (5) with 2 x M16 Hex Bolts on the 4" cross pipe location as shown in the picture (top two holes).

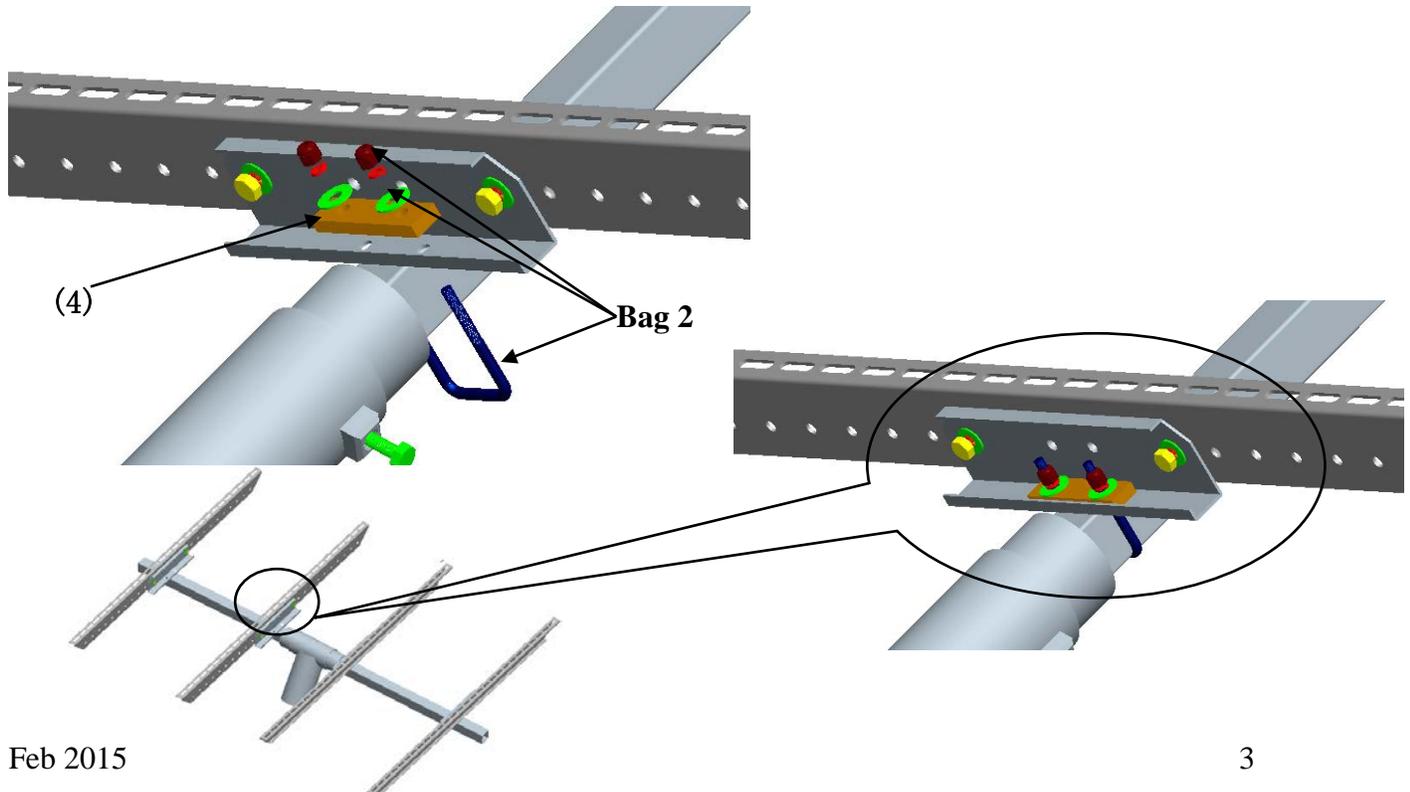




2. Assemble 4 units of the Solar Panel mounting Support rail by attaching the Solar mount rail (1) and support rail (2) using the 2 x M10 Hex-cap Bolts, 4 x M10 Flat Washers, 2 x M10 Nuts, and 2 x M10 Split lock washers as shown in the diagram.



- 3: Assemble 4 Solar Support Mounting Rails on the Guide Rail by attaching the cushion block (4) with assembled Solar Panel Support rails with the M8 right angle U-bolt, 2 x M8 Flat washers for U-bolt, 2 x M8 split lock washers for U-bolt as shown in diagram. Pre-measure the distance of the support rail with the mounting holes on your solar panels before tightening all the U-bolt nuts down.



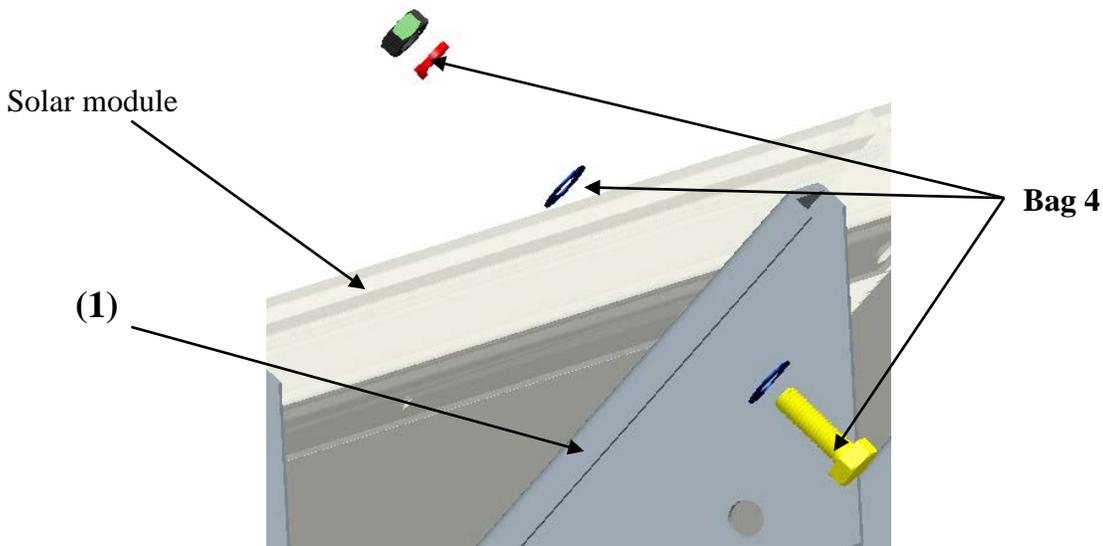


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4: Install each of your Solar Panels on the Solar Support Mounting Rails as show in the picture using the 4x M6 hex-cap bolts, 4 x M6 split lock washers, 4 x M6 flat washers, 4 x M6 hex nuts as shown in the diagram.





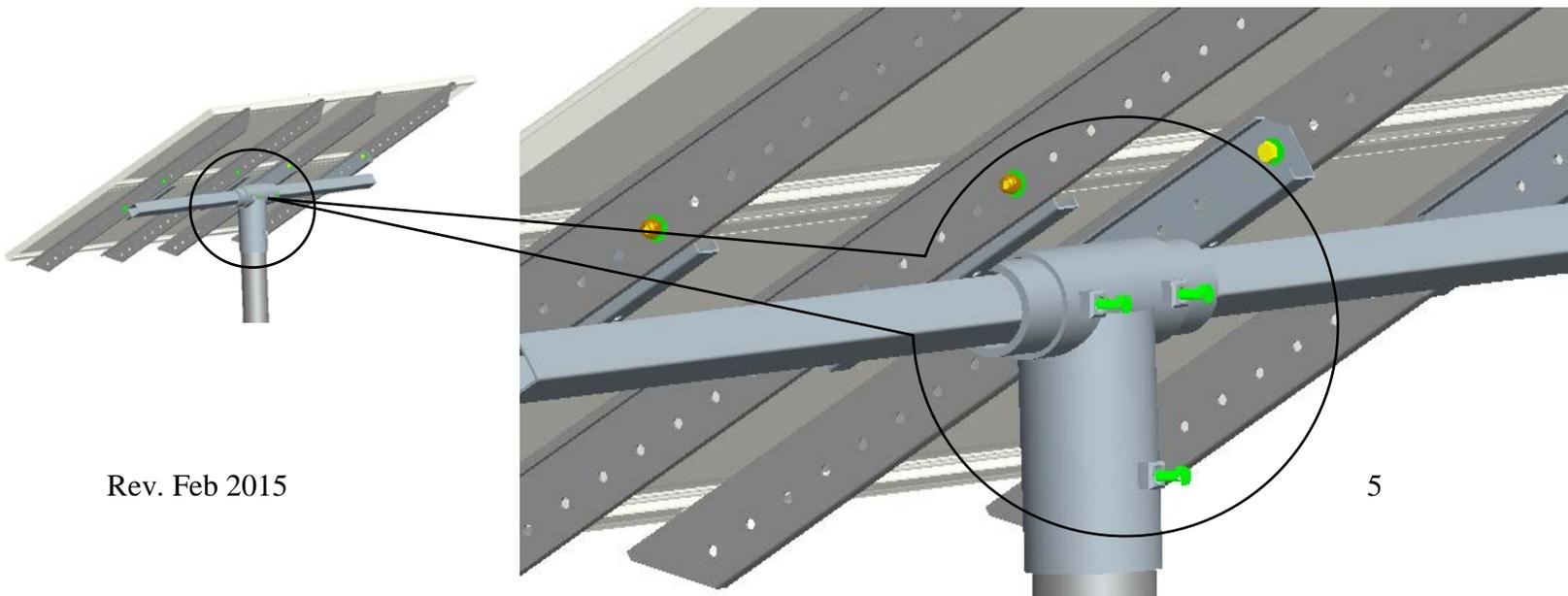
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5: Lift the Assembled Solar Mounting and fit the Cross pipe section into your 4" pole adjust the whole unit to face the optimum direction of sun light. Tighten down the Single M16 Nut to prevent the unit from swirling. Then adjust the Angle of the Guide rail to the appropriate degree of incline based on the location of your installation to optimized sun light condition. Tighten down the 2 x M16 Hex bolts after the optimum angle has been reached as shown in the Diagram.





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Optimal angle for fixed solar panels depending on installation position

