

Solar Stand Assembly

Assembled Solar Panels



Recommended Procedure:

All Solar Parts have been marked with yellow. All solar hardware (nuts, bolts, brackets, etc.) are contained in the canvas pouch marked with a yellow line.

All Uni-Strut, 90° aluminum stock, and aluminum channel pieces have been backed in the solar panel crate.

1. Attached 90° angle stock to the rear of the solar panels

- Parts:
 - 1 solar pannel
 - 2x 90° angle aluminum stock
 - 4 bolts, nuts and washer sets
- Lay the solar panel face down on a soft surface and use care to not drop or damage the exposed underside that is now facing upward.
- Attach the two 90° aluminum stock to the solar panel such that the channel side of each piece faces inward. NOTE: the short side attaches to the panel



2. Attach the 'front' uni-strut base

- Parts:
 - 1x Uni-Strut (XX Inches)
 - 2x 90° brackets
 - 2x tab lock nuts
 - 2x bolt, washer & nuts
- Take note of the power supply location on the solar panel. Orient the power supply of each unit such that it is on closest to the location of the DTS. This is important in order to make sure that the cables to connect the solar panels to the solar control unit are long enough.
- Attach the longer (2" rounded) side of 90° Brackets to the outside of the mounting brackets that were just attached to the solar panel.
- Slide the tab locking nuts onto the uni-strut, adjust their position and center the uni-strut on the solar panel. Leave the assembly loose until the end and the angle can be set correctly.



3. Attach the 'rear' uni-strut base

- Parts:
 - 1x Uni-Strut (XX Inches)
 - 2x aluminum channel
 - 2x 90° brackets
 - 2x tab lock nuts
 - 4x bolt, washer & nuts
- Attach the aluminum channel to the outside of the solar mounting brackets. The open channel should face outward.
- Attach the longer (2" rounded) side of 90° Brackets to the smooth side of the aluminum channel that was just attached.
- Slide the tab locking nuts onto the uni-strut, adjust their position and center the uni-strut on the solar panel. Attached the bolts to the open end of the 90° bracket.





4. Adjust stand position and tighten bolts
- Adjust the location of the uni-strut base so that the panel can be rotated and stand up.
 - Flip the panel over, adjust the angle/position of the uni-strut bases so the panel will sit level and tighten the bolts

