

**INSTALLATION GUIDE
SOLAR PANEL MOUNT WITH RAIL KIT**



SAFETY INFORMATION:

The warnings, precautions, and instructions discussed in this instruction sheet cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator. **While Cutting Edge Power is proud to be an American company dedicated to producing a high quality product, we are not responsible for any property or personal damage to you or your device(s) due to use/misuse of this product. Always use good judgement and never try to modify or disassemble this product.**

CAUTION
THINK SAFETY FIRST

BEFORE INSTALLATION

In order to install this mount system, you are required to obtain the concrete and two pieces of pipe. (Vertical and Horizontal). Available at hardware stores or online.

The horizontal pipe must be a **2" (2-3/8" O.D.) SCH80 PIPE**. The size of the vertical pipe varies according to each bracket. Please refer to your kit below to make sure that you get the recommended pipe which will fit perfectly to your bracket.



	QUANTITY AND CAPACITY OF PANELS	VERTICAL PIPE
	ONE 100 SOLAR PANEL	1-1/2" PIPE [1-7/8" O.D.] SCH40 / SCH80
	TWO 100 SOLAR PANELS	2" PIPE [2-3/8" O.D.] SCH40 / SCH80
	FOUR 100 SOLAR PANELS	2-1/2" PIPE [2-7/8" O.D.] SCH40 / SCH80 (QUANTITY: 2)
	ONE 300 SOLAR PANEL	3" PIPE [3-1/2" O.D.] SCH40 / SCH80
	TWO 300 SOLAR PANELS	3" PIPE [3-1/2" O.D.] SCH40 / SCH80 (QUANTITY: 2)
	FOUR 300 SOLAR PANELS	3" PIPE [3-1/2" O.D.] SCH40 / SCH80 (QUANTITY: 4)

Lay out the solar panels on the ground and mark where the vertical pipes will be. This will be necessary only in the case you are putting up 2 or more vertical pipes.

INSTALLATION

Step 1:

Dig one hole for each vertical pipe.

Each hole should be at least three times the diameter of the pipe and at a depth equal to 1/3 to 1/2 of the above-ground length of the pipe, plus 6". For loose or sandy soil, using a concrete tube form is recommended.

Ensure all holes are lined up in a straight line. **This is critical.**



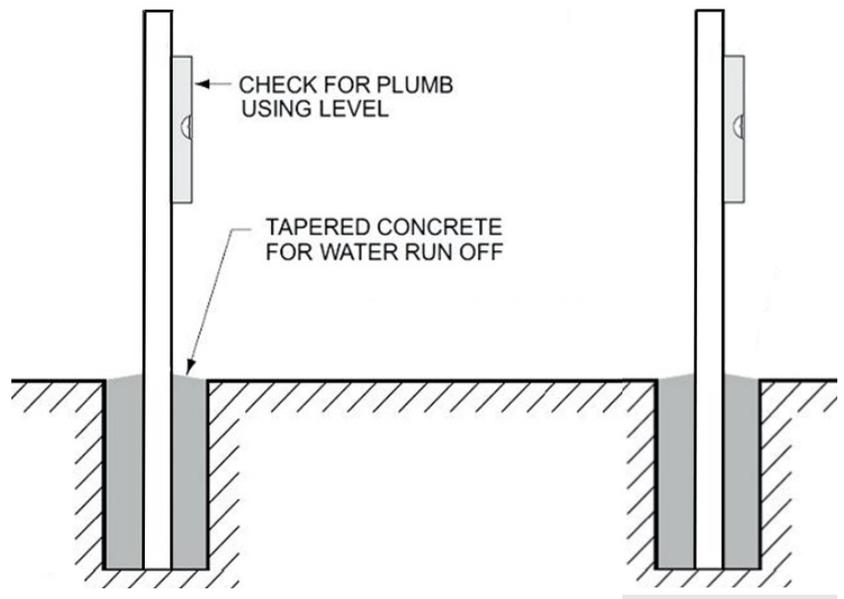
Concrete tube form

Step 2:

Pour 6" of gravel or crushed stone into the bottom of the hole. Compact and level the gravel using a post or 2 x 4.

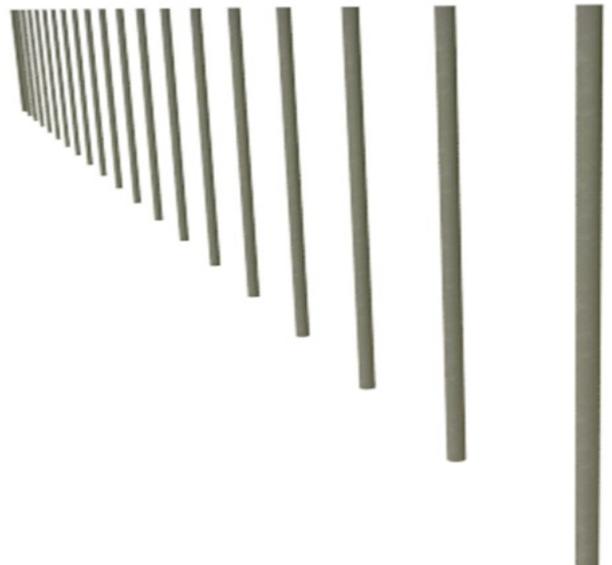
Fill the hole with concrete up to 3 to 4" below the ground level. Add the recommended amount of water.

It's recommended to use a vertical pipe above-ground length of only about 4 or 5 feet so the solar panels are easily accessible.



Step 3:

Ensure all pipes are lined up in a straight line. **This is critical.**



Step 4:

Place supplied solar panel bracket(s) on pipes. Don't tighten set screw(s).



Step 5:

Attach horizontal pipe(s) with supplied U bolts. We recommend 2" Schedule 80 steel horizontal pipe.

After the horizontal pipes are all U bolted to the brackets, tighten the set screws on the brackets.



Step 6:

Attach rails with supplied 2" pipe straps.



Step 7:

At this time it's recommended that you make sure all of the rails are in line with each other. You can use a level or straight edge to check them.



Step 8:

Use supplied hardware to attach solar panel.

At this time, if the angle of the solar panels needs to be adjusted, it's recommended that you loosen the U bolts VERY slightly to rotate the pipe. Take time to make small adjustments as larger adjustments could result in damage to your solar panels.



As always, if you have any questions please don't hesitate to contact us through our website at <http://www.cuttingedgepower.com>. We typically answer all questions within 24 hours.

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