



# Kinetic

SOLAR RACKING AND MOUNTING

## RODENT GUARD INSTALLATION GUIDE



## 1. REQUIRED EQUIPMENT

- ½" Socket
- Socket Wrench or Cordless Drill
- Metal shears (for cutting mesh)
- Gloves
- Rodent guard mesh
  - Enough for full perimeter of array including any internal gaps
- Rodent guard clamps
  - Enough for amount of mesh required (see table)

Linear Feet of Mesh	Number of Clamps Required
25	18
50	35
75	53
100	70

## 2. INSTRUCTIONS

Rodent guard clamps are to be installed after the PV system has been installed.

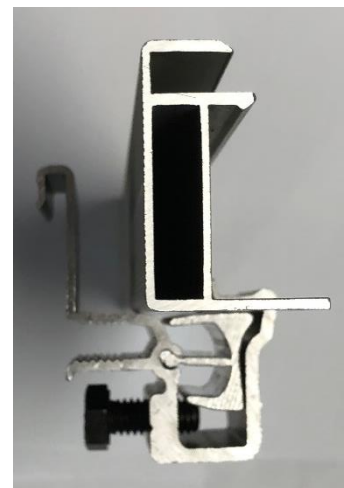
Clamps are only compatible with conventional framed PV Modules

If using J-Clips follow manufacturers instructions for installation

### 2.1 POSITION CLAMP ON MODULE

The rodent guard clamp attaches to the inside bottom edge of a conventional framed solar module.

Slide the clamp into position on the PV module frame so that clamp is as far forward as it will go. On modules with larger frames, the clamp may need to be rotated into place.



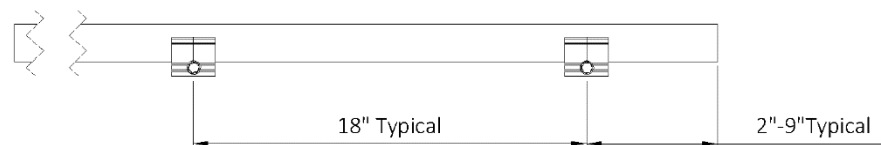
## 2.2 SECURE CLAMP IN PLACE

Using a ½” socket, tighten the bolt at the bottom of the clamp until it is rigidly attached to the PV module frame.



## 2.3 ATTACH THE REMAINDER OF THE CLAMPS

Repeat steps 2.1 and 2.2 adding clamps around the full outside perimeter of the array. Some arrays have internal perimeters, these must also be covered. The clamps should be spaced no further than 18” apart. Additionally, ensure that the nearest clamp to each corner of the array is no more than 9” away.



## 3. INSTALL MESH

- i. Starting at one of the clamps nearest a corner of the array, uncoil enough mesh to work with (Approximately 4' – 6')
- ii. Working away from the closest edge, tuck the top edge of the mesh into the retainer at the top of the clamp so that at least 1” (2 squares) is protruding past the edge of the clamp.
- iii. Fasten in place using the supplied screws. The head of the screw should not overhang either edge of the clamp and should go through the square of the mesh that is most centred in the threaded area of the clamp
- iv. Continue along the length of the side of the array
- v. If there are any rail ends protruding past the edge of the module, the mesh will need to be trimmed around the rail
  - a. Push the mesh against the end of the rail

- b. Make a series of snips around the profile of the rail, being careful to cover the top channel of the rail
- vi. Once in place, press the mesh in so that it creates pressure against the roof. The bottom edge of the mesh should stick out, not in
- vii. To go around a corner, the mesh may need to be cut



- a. Look at the first portion of the mesh that is installed, making a note of the length of mesh that sits flush against the roof
- b. Cut slightly less than that amount at the bottom of the corner so that the mesh will bend around the corner
- viii. Repeat steps ii through vii for the remainder of the array
- ix. The array may require multiple rolls of mesh to join a new roll:
  - a. Remove the bolt from the last clamp the mesh was installed to
  - b. Overlap the new portion of the mesh with the old at the last clamp it was installed to
  - c. Reinstall the bolt to secure both portions of mesh
  - d. The new portion should protrude past the edge of the clamp by at least 1" (2 squares)
- x. When you end up back at the first clamp that the mesh was installed to, remove the bolt holding the mesh in place
- xi. Cut the mesh to fit so that the mesh protrudes past the edge of the clamp by at least 1" (2 squares)
- xii. Reinstall the bolt to secure both pieces of mesh
- xiii. Push last portion of mesh into place

