

This guide is specific to a typical ground mount installation. Please refer to the **Toledo Solar User Guide** and **Toledo Solar PV Module Mounting** documents for additional instructions.

The US manufactured Toledo Solar module differs from a typical silicon module due to its smaller form factor and lack of an aluminum frame.

The smaller size makes it easier to handle and more versatile for design and installation.

The Toledo Solar module utilizes a glass to glass construction that doesn't require an aluminum frame, which can collect dirt that decreases performance.

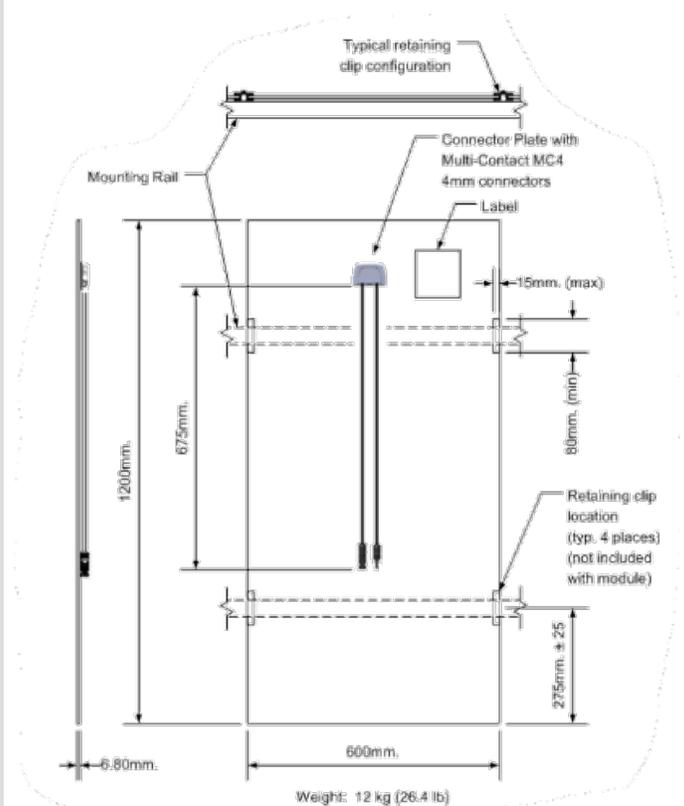
A Toledo Solar supplied clamp is used to fasten the module to the racking structure.

All other aspects of the installation are the same as a silicon module.

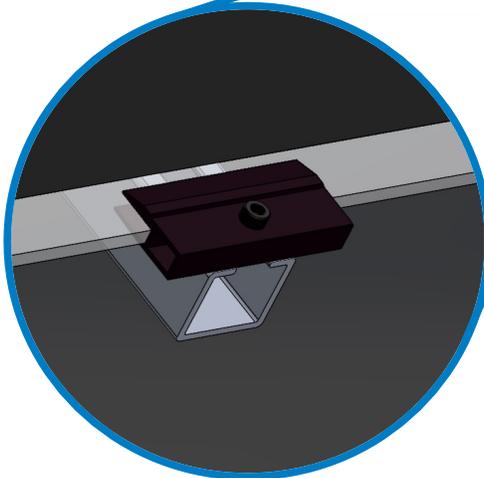
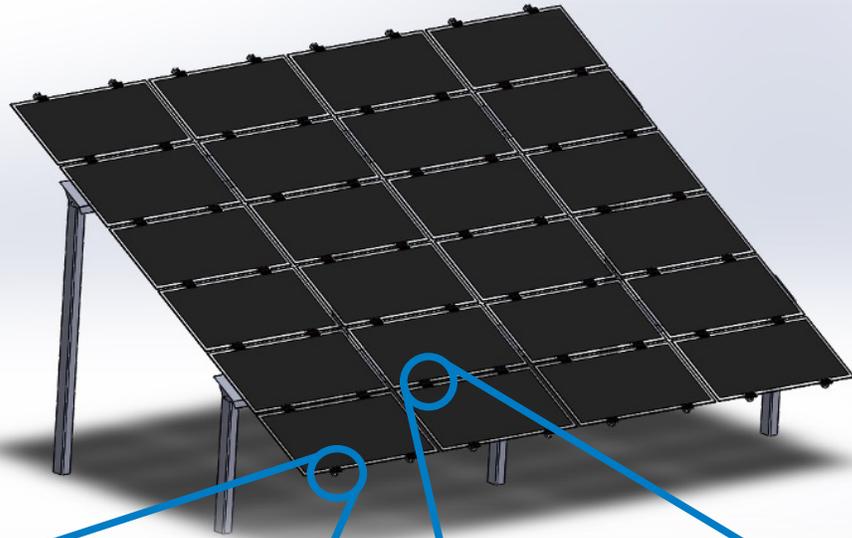


The recommended approach to a ground mounted solar array using **Toledo Solar** modules.

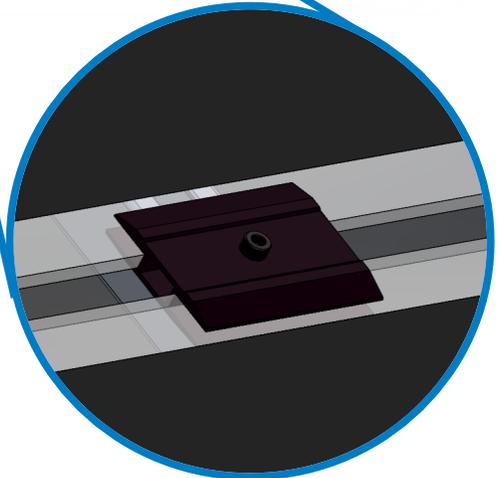
1. Consult a TSI certified installation contractor for best design and installation practices.
2. Contact your local AHJ and Utility for permit requirements.
3. Select the best spot for your ground-mounted solar array clear of shading from trees and buildings.
4. Face the modules south at the chosen tilt angle (a general rule of thumb for best year-around performance is choosing an angle close to your latitude. Additional information regarding angle optimization can be found online).
5. Allow for an area 20% greater than what the array will cover.
6. When installing more than one row place the modules in landscape orientation to reduce the effects of shading.
7. Connect your solar panels to your inverter.
8. Maintain your ground-mounted solar panels.



Sample 4 x 6 Ground Mount Toledo Solar Install

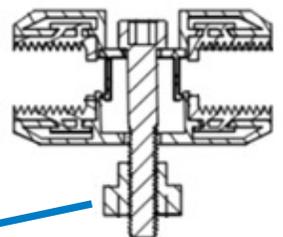
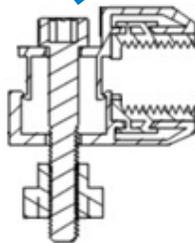


End Clamp



Mid Clamp

M6 or 1/4" socket cap



T-Nut

Form factor and size will depend on the racking system being used