

The MSI Experience...



...When Support Counts!

MACLEAN SENIOR INDUSTRIES

PRODUCT APPLICATION BULLETIN

Adjustable Solar Panel Bracket

Application

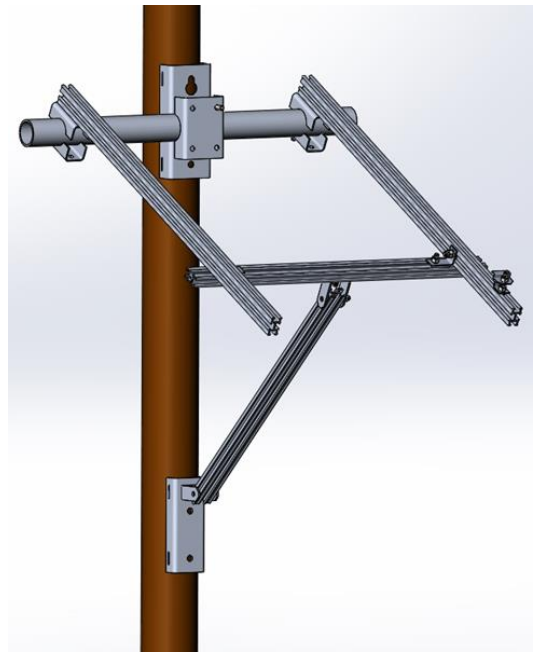
- Fully adjustable bracket to be used in the installation of solar panels (used as battery power supply in traffic and fixed wireless applications)

Features:

- Light-weight aluminum construction
 - Weight = under 40 lbs.
- Fully adjustable assembly
 - Utilizes 4-way T slot extrusion for unlimited configurations
 - Solar panel angle can range from 0 to 90 degrees depending on brace length and allowable pole space
- Versatile clip system allows panels to be positioned and installed without drilling the solar panel
- Can accommodate wide variety of solar panels sizes
 - Clip system can accommodate panel thickness of 1.25" to 1.8"
 - Bracket lengths can be customized to handle a variety of panel sizes and orientations
 - Multiple panel configurations are available
- Wind load testing availability

Installation Options

- Bracket can be installed on a variety of different pole types (steel, concrete, fiberglass, and wood) using several installation options:
 - 5/8" threaded hardware
 - Banding up to 1.25" size



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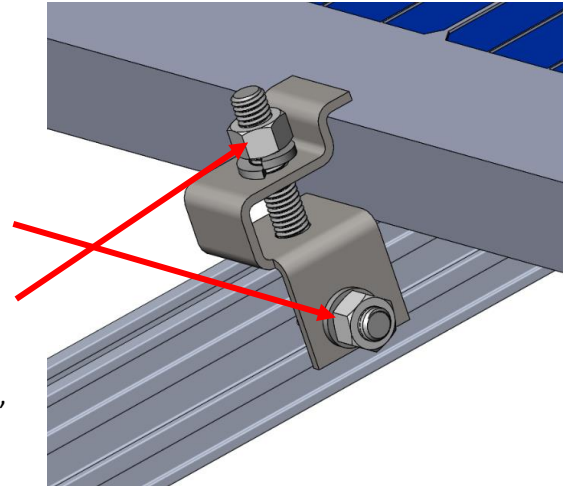
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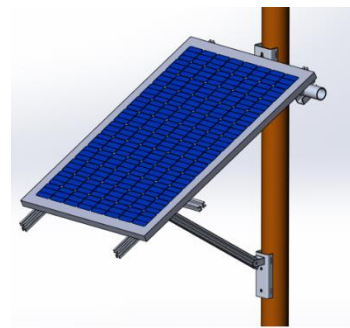


Design Details

- Solar panel clips
 - Bracket assembly equipped with (4) clips per panel.
 - Clips have 2 bolts
 - One bolt for quick and easy adjustment on the bracket based on panel size
 - Second bolt for quick and easy securing of the panel to the bracket
 - No drilling required
 - Clips can accommodate panels ranging for 1.25" to 1.8" thickness



- Bracket can be modified with longer or shorter arms and brace to accommodate:
 - Different size solar panels
 - Different configurations (vertical vs horizontal)



Bracket can be elongated and additional braces and clips added to accommodate multiple solar panels

