

# Introduction



## Major Axis

The connection between the Main Supports (see [Upper Structure](#)) and the Main Post becomes the Major Axis, which allows angle adjustment for the elevation angle of the Sun, throughout the year.

## Minor Axis

If the major axis has been adjusted so that the panel array orientation is normal to the Sun at noon, then the minor axis can be used to follow the Sun throughout the day from sunrise to sunset. Automated systems can be installed to follow the Sun, or the minor axis can be adjusted manually when there is a need for maximum power.

## Conforming to Non-Ideal Conditions

Often solar panels must be mounted in less than ideal locations, such as a location that receives shade during a portion of daylight. On top of that, peak power usage may not coincide with peak solar power (e.g. peak power usage may be disproportionately higher in the evening vs. morning). A minor axis can help to optimize solar power through either dynamic Sun-following or static

positioning to maximize power absorption at a certain time of day other than noon.

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