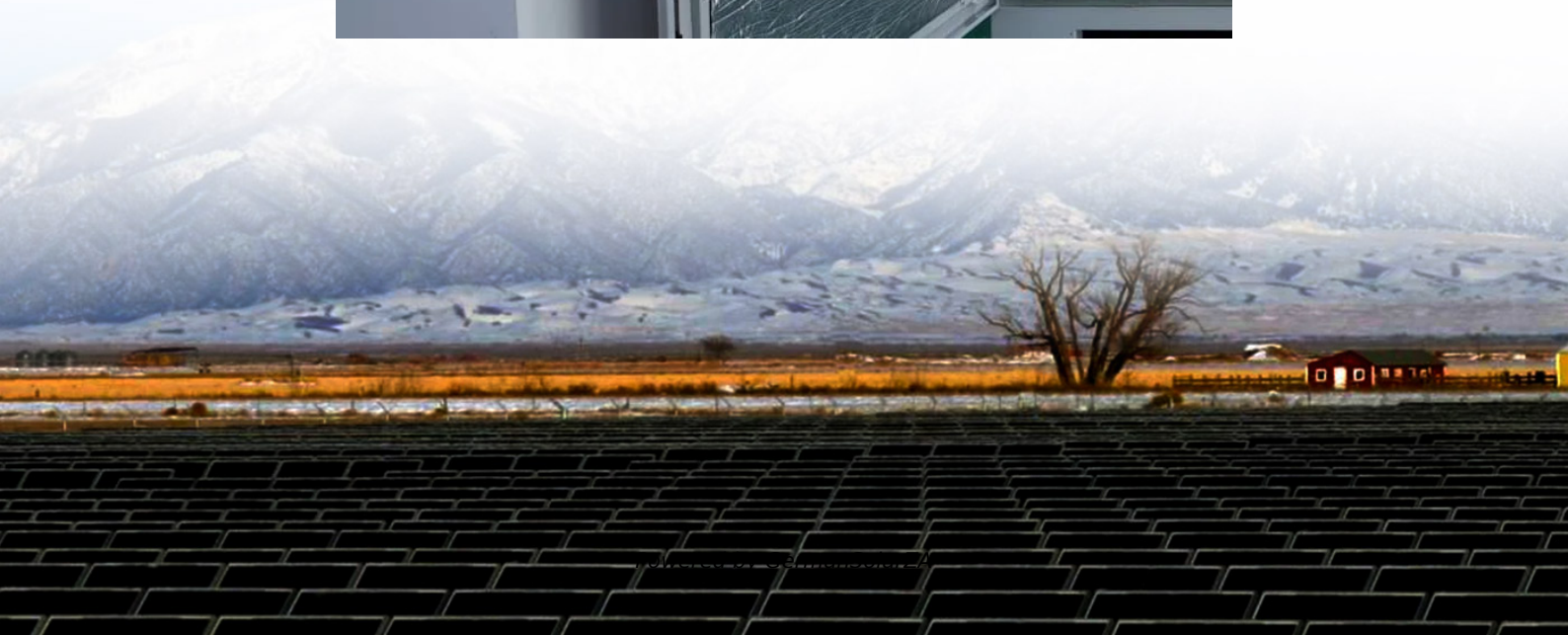


Solar panel roof angle standard





Overview

What angle should a solar roof be built at?

In a perfect world (well my perfect world anyway) all roofs would be built at the ideal pitch to maximize solar output. However, as mentioned before, most roofs in Australia are at 15° or 22.5°. So how much solar power are you losing if your panels are not at the perfect tilt angle?

.

What angle should solar panels be mounted?

In Australia, common roof pitches are 15° or 22.5° – so your modules will most likely be mounted at one of those angles: What if you have a flat roof?

If your roof is totally flat, then I strongly recommend mounting the solar panels at an angle of at least 10°. This is really important because it will allow any rain to easily run off the modules.

Are solar panels at a perfect tilt angle?

However, if my roof were flat output would be 12% lower compared to having the solar panels at 28°. So the moral of the story is: if your roof is pitched at more than 10°, your solar panels are probably not at their theoretically perfect tilt angle, but they will be close enough.

What is the best solar panel angle?

As we've mentioned earlier, your location's latitude plays a major part in determining the best solar panel angle. Across the continental U.S., the optimal tilt can range from 30-45 degrees. However, the further north you live, the more orientation can affect solar panel efficiency.



Solar panel roof angle standard



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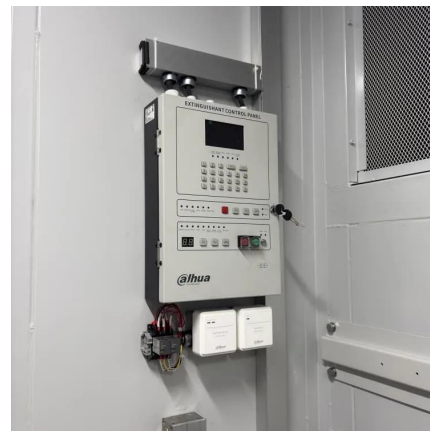
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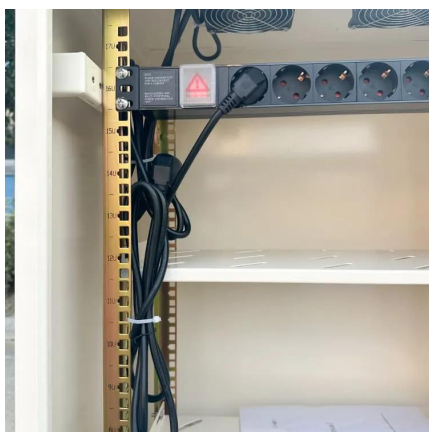
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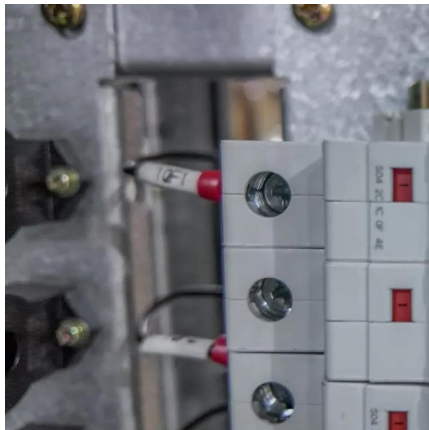
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