POC for the maths behind solar calculator:

**A screenshot of a computer

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Simply putting the information into each field and then pressing the button will take the dimension of the house and calculate the area and tilt of the roof then allowing the algorithm to work out an accurate energy calculation should you install solar panels across the entire roof.

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Description automatically generated**

With a house with dimensions 48M in length and 28M in width and a roof height of 4M facing 18 degrees of south having solar panels 20% efficient and the average sun in the uk it would produce 145458 kWh annually.

The maths used can be found within the math.js stored within the poc maths folder