

# Can photovoltaic panels be in odd numbers



## Overview

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Yes, I've connected odd numbers of panels in series although they've been higher voltage panels. So it would be 300 watts total. What SCC are you. Let's say you have five identical panels, 40V, 10A for argument's sake. Will an MPPT function correctly if you put two sets of parallel panels (2P and 3P) in series, where one "string" is just higher current than the other?

I realize this is the reverse of the way panels are normally configured. I currently have two 200 watt panels, each is 12v. Until I can get a. Can the number of photovoltaic panels installed be odd Can the number of photovoltaic panels installed be odd How many solar panels should a solar array have?

If you decide to apply a mixed connection, it's practical your solar array to comprise an even number of panels (a multiple of 2), for. (I wish to use series wiring because the wire gauge requirements are less) Question 1: What is the accepted practice of handling an odd number of panels as is pertains to connecting with an MPPT charge controller?

Question 2: Is a second charge controller the only option?

Question 3: Can a. I got them very cheap I have exactly 7 panels with  $V_{OC}$  of 22V and  $V_{mpp}$  of 18V (150W). Additionally the panels will be vertical (again optical reason), so will probably only give around 60% of Efficiency.

## Can photovoltaic panels be in odd numbers

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### Is there any requirement to have only an even number of solar panels

I've never seen anything definitive so maybe its not an issue, but is there any requirement to only design systems with even numbers of solar panels?

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All even numbers and some odd numbers (like 9) are just fine. You have a prime number, with no divisors other than itself and 1, and that is what limits your options.



### Series vs Parallel Question with odd number of panels

Is it ok to have odd number of panels in each group? This would allow me to get at ~100 volts which opens up the market for an all in one. If by odd you mean, 3, 5, 7, etc., yes. If you mean ...

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### 12v panel in series in odd

## numbers? : r/SolarDIY

Yes, I've connected odd numbers of panels in series although they've been higher voltage panels. The watts always add up. So it would be 300 watts total. Panels have an OCP (Open Circuit Voltage) ...



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## Odd Numbered Strings in SolarEdge Architecture

It won't be exactly equivalent, and only work if the total number of modules connected to the inverter is even. But at least the total DC power would be correct, and the impact on the different ...

## Odd number of solar panels question : r/SolarDIY

I currently have two 200 watt panels, each is 12v. I wired them in series, so I have 24v (15amp I assume). My plan was to add two additional panels... and wire them in series together also, then in ...



## Odd number of panels and MPPT: parallel -then

This also demonstrates how a "weak"



panel could drag-down an entire array. Although disparity between panels of the same age/type is rare, I have found some that tested a fair bit lower ...

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## Can the number of photovoltaic panels installed be odd

Nearly seven in 10 solar panel owners we surveyed have had no technical problems with their solar panel system since it was installed. Among those who did report a technical fault, inverter ...



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## Uneven number of Panels

One panel will be in shadow 50% of the time. You haven't specified the azimuth, but even if facing South, frankly, don't bother with this PV array. 60% is highly optimistic for those conditions. They are ...

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## Can I use an odd number of panels in series-parallel? : r/solar

Can I combine them in series-parallel in any manner with an odd number of panels, say 2 series of 2 and a single 12v or would I need to get a 6th panel?



## Can photovoltaic panels be arranged in an odd number

The number of cells in a string and the number of parallel strings are determined by the desired voltage and current ratings of the solar panel. For example, a typical 60-cell residential solar panel may have ...

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