



Is it okay to have an odd number of photovoltaic panels in series





Overview

Though mixing different solar panels is not recommended, it's not forbidden and things would be ok as long as each panel's electrical parameters (voltage, wattage, amps) are carefully considered. When you intend to wire two panels produced by different vendors, the vendors are. 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. What are the pros and cons of this approach?

Thanks!! is it safe/possible to have a 2 panel series and a 3 panel series wired in parallel. Additionally the panels will be vertical (again optical reason), so will probably only give around 60% of Efficiency. The. I currently have two 200 watt panels, each is 12v. I wired them in series, so I have 24v (15amp I assume). Until I can get a. 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 example, 4 panels (2 in series and 2 in parallel) or 6 panels (3 in series and 2 in parallel).



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Mixing solar panels - Dos and Don'ts

Wiring Solar Photovoltaic Panels in Series
Wiring Solar Panels of Different Ratings in Series
Wiring Solar PV Panels in Parallel
Wiring Solar Panels of Different Ratings in Parallel
Mixed Wiring of Solar Panels
Here is a series connection of solar panels of different voltage ratings and the same current rating: You can see that if one of the solar panels has a lower voltage rating (and the same current rating) compared to the remaining panels, the output power is lower than in the previous example but the loss is not significant. Things, however, are entirely different if you have an odd number of panels in series. See more on solarpanelsvenue reddit

Odd number of solar panels question : r/SolarDIY - Reddit

No. the voltages need to be the same. With 3 you are stuck with 36V in series or 12 in parallel.

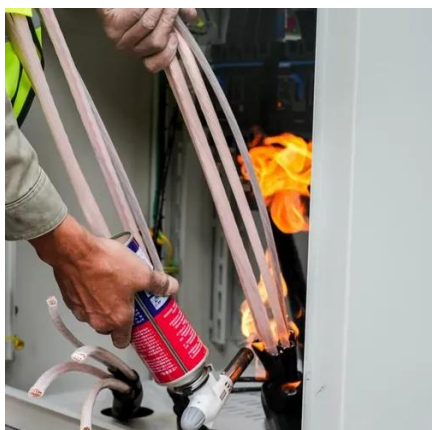
Uneven number of Panels

7 in series would be great as long as your panels have bypass diodes built in. However, yes, a 250V controller would be needed and your existing controller becomes redundant.



[Charge Controller Question: Uneven number of modules in series ...](#)

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 ...



Can the number of photovoltaic panels installed be odd

If the number you get is an odd number, it will need to be rounded down to the nearest even number. In this case, the maximum number of panels Jim would need is 10.



Mixing solar panels - Dos and Don'ts

If the system sizing calculations result in an odd number of panels (for example, 3 or 5), and you are sure you are not going to add more panels in the future, it's practical to use either series or parallel ...



Odd number of solar panels question



: r/SolarDIY

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Parallel-series connection of an odd number of solar cells

I need at least two cells in series to have the voltage for the SPV1040 MPPT IC and would like to use all available space on the board, this is why I have a maximum of 9 cells.



Off Grid DIY Solar , Is it okay to have an odd number of panels in ...

Is it okay to have an odd number of panels in my solar array? I only see systems with an even number of panels. I would run them in parallel. Thanks

Odd number of panels and MPPT: parallel -then

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 ...



Mixing Different Wattage Solar



Panels

The short answer is, yes, you can mix solar panels that have different wattages. But it is not usually advised, because mixing different wattage panels reduces the efficiency and power output. The ...





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